Acuo

Installation and Setup Guide

Version: 6.0.x

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Acuo Release 6.0.4

Supported Operating System and SQL Server Versions (6.0.4)

Below is a list of supported OS/SQL combinations for this release.

Operating System	SQL Server
Windows Server 2016	• SQL Server 2016 SP1 • SQL Server 2014 SP2
Windows Server 2012 R2	• SQL Server 2016 SP1 • SQL Server 2014 SP2 • SQL Server 2012 SP3 • No SQL (Patient Management standalone installations)
Windows Server 2012	• SQL Server 2012 SP3 • No SQL (Patient Management standalone installations)
Windows 10 *	• SQL Server 2016 SP1 - Express • SQL Server 2014 SP1 - Express • No SQL (Patient Management standalone installations)
Windows 8.1 *	• SQL Server 2012 SP3 – Express • No SQL (Patient Management standalone installations)
Windows 7 *	• SQL Server 2008 R2 SP2 - Express • No SQL (Patient Management standalone installations)
* Support for Windows 10, Windows 8.1 and Windows 7 is limited to Patient Management Standalone installations and small volume temporals.	

- Notable Items Added in 6.0.4 (from 6.0.3):
  - Windows Server 2016
  - SQL Server 2016

- Notable Items Removed in 6.0.4 (from 6.0.3):
  - Windows Server 2008 R2

Supported Upgrade Paths (6.0.4)

- Currently only new installs are supported for 6.0.4.

- Upgrade installs are expected to be supported with the release of 6.0.4 Hotfix 1.

Web VNA Interoperability (6.0.4)

The table below shows the current interoperability support for the VNA and Web VNA versions.

VNA Version	Web VNA Version
6.0.4	
6.0.3	1.4.0
6.0.2 HF4	

New Install Procedure - Complete Install (6.0.4)

Notes on a full server installation.

- Installer log files are found at the following location:

    o C:\Program Files\Common Files\Acuo Technologies

- For AcuoStore and AcuoMed, after installing the software, databases are installed and configured using the MMC. Database locations are specified during creation, which can be any drive or storage device accessible by the SQL Server instance hosting the database.

- After installing AcuoStore, you create and configure image share folders. The location can be any drive or storage device accessible by the server hosting AcuoStore.

- Other Acuo products automatically create databases during installation. You specify the location of the database files when installing the product. The location can be any drive or storage device accessible by the SQL Server instance hosting the database.

- If you are installing to a non-system drive (a drive other than the C:\ drive), note the following:

    o The Acuo Host Server Setup installer is the only installer that allows you to change the installation folder to a non-system drive.

    o The product installers do not allow you to change the installation folder. Since Acuo Host Server Setup installer installs shared files that are needed for other Acuo products, subsequent product installers must install to the same directory.

- The installation steps require you to run a separate Prerequisite and Acuo Host Server Setup installer. Refer to the **Appendix A: Installation Components 6.0.x** for more information about the types of components installed on your system during the installation process.

- If you specify domain users during installation, when specifying the account to use for Acuo services, you may need to run the Computer Browser service. The alternative is to specify the local AcuoServiceUser in the installers and then change the user in the Services node after the installers are complete.

Preliminary Install Steps

Verify that the latest supported Service Pack for SQL Server is installed. Reference the section above "Supported Operating System and SQL Server Versions (6.0.4)".

Note To find the SQL Server Service Pack version, run the following query inside SQL Server Management Studio: *select @@version*

Disable User Account Control (UAC)

1. To install AcuoMed/AcuoStore on Windows Server 2008 and Windows Server 2012 / 2012 R2, disable User Account Control (UAC).

    a. From the **Start** menu, in the **Search** field, type **msconfig** and then press ENTER.

    b. In the **System Configuration Tool** dialog box, select the **Tools** tab.

    c. Select **Change UAC Settings** and then click **Launch**. A command window appears and a notification displays stating that the UAC is disabled.

    d. Restart your computer to apply the change.

    NOTE: An alternative way to disable UAC is by editing the registry as follows:

    - HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\policies\system**EnableLUA**
        o   EnableLUA=0 (UAC is disabled)
        o   EnableLUA=1 (UAC is enabled)

2. Optional. If installing AcuoHA or AcuoXDS, you must configure the Microsoft Distributed Transaction Coordinator (MSDTC) service. Choose one of following procedures:

    - *Configure MSDTC On Windows Server 2008 R2.*

    - *Configure MSDTC On Windows Server 2012 / 2012 R2.*

Configure MSDTC On Windows Server 2008 R2

To configure Windows Server 2008 R2, complete the following steps on the system where Acuo software is to be installed.

1. In the control panel, click Administrative Tools > Component Services > Computers > My Computer > Distributed Transaction Coordinator.

2. Right-click **Local DTC** and select **Properties**.

3. On the **Security** tab, complete the following substeps.

    a. Under **Security Settings**, select **Network DTC Access**.

    b. Under **Transaction Manager Communication**, select **Allow Inbound** and **Allow Outbound**.

4. Click **OK**.

5. Click **Yes** to restart the MSDTC service.

Configure MSDTC On Windows Server 2012 / 2012 R2

To configure Windows Server 2012, complete the following steps on the system where Acuo software is to be installed.

1. In the **Server Manager**, click **Tools Menu > Component Services** > **Computers** > **My Computer** > **Distributed Transaction Coordinator**.

2. Right-click **Local DTC** and select **Properties**.

3. On the **Security** tab, complete the following substeps.

     a. Under **Security Settings**, select **Network DTC Access**.

     b. Under **Transaction Manager Communication**, select **Allow Inbound** and **Allow Outbound**.

4. Click **OK**.

5. Click **Yes** to restart the MSDTC service.

Acuo Install Steps

Install Prerequisite and Host Setup installer

Complete the following steps on any system where Acuo software is to be installed. For more information about Acuo Host Server Setup, see **Appendix A: Installation Components 6.0.x**.

1. To install the prerequisites, in the **\System Prereqs 6.0.4.XX** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. To run the Acuo Host Server Setup installer, in the **\Host Setup 6.0.4.XX** folder, right-click **Setup.exe** and select **Run As Administrator**.

3. After running the Host Setup installer, reboot the system (some tools require access to files installed by Host Setup, and these are not available until the system is rebooted).

Install AcuoStore

- To install AcuoStore, in the **\AcuoStore 6.0.4.XX** folder, right-click Setup.exe and select Run As Administrator.

Install AcuoMed

- To install AcuoMed, in the **\AcuoMed 6.0.4.XX** folder, right-click Setup.exe and select Run As Administrator.

Install AcuoHA (optional)

1. In the **\AcuoHA 6.0.4.XX** folder, right-click **Setup.exe** and select **Run As Administrator**.

   Important Install AcuoHA after installing AcuoMed and AcuoStore.

2. Ensure an archive device has been configured in AcuoStore (on both the Publisher and Subscriber servers) before proceeding below.

3. In the **AcuoStore Digital Asset Manager Properties** dialog box, enter the AcuoHA SQL instance name and AcuoHA database name (right-click the Digital Asset Manager Server node, select Properties).

4. On the Publisher Server, perform the following steps:

     a. In AcuoStore, set the AcuoHA type to Publisher for all necessary Applications. Right click and set to Publisher.

     b. Add the AcuoHA Manager snap-in to the MMC.

     c. Add a new Publisher. Right-click on newly added Acuo HA Manager snap-in and select Add New Publisher option.

       i.   Enter Database Connection String (copy the example, change the server name, change the database name if needed)

- Example: server=PG46;integrated security=SSPI;database=AcuoHighAvailability)

      ii.   Click Test button to check the database connectivity.

     iii.   Click OK and verify that a Publisher sub node has been added under Acuo HA Manager.

  d.   Click the Publisher node inside the AcuoHA Manager snap-in.

       i.   When selecting the **Publisher** node in the **Microsoft Management Console**, click **No** when prompted to load the configuration.

      ii.   In the Metadata Replication Subscribers section, click **Add** (the Subscriber connection information).

     iii.   In the **Subscriber URL** field, update the default *<localhost>* to the server name where the subscriber service is running.

            Example http://*<localhost>*:9100/AHASubscriberHandler/

     iv.   Optional. In the Applications field, add a list of Application Names (or leave blank to publish to all Applications).

5.   On the Subscriber Server, perform the following steps:

  a.   In AcuoStore, set the AcuoHA type to Subscriber for all necessary Applications. Right-click and set to Subscriber.

  b.   Add the AcuoHA Manager snap-in to the MMC.

  c.   Add a new Subscriber. Right click on newly added Acuo HA Manager and select Add New Subscriber option.

       i.   Enter Database Connection String (copy the example, change the server name, change the database name if needed)

- Example: server=PG46;integrated security=SSPI;database=AcuoHighAvailability)

      ii.   Click Test button to check the database connectivity.

     iii.   Click OK and verify that a Subscriber sub node has been added under Acuo HA Manager.

  d.   Click the Subscriber node inside the AcuoHA Manager snap-in.

       i.   When selecting the **Subscriber** node in the **Microsoft Management Console**, click **No** when prompted to load the configuration.

      ii.   Optional. In the **Listening URL** field, update the default *<localhost>* to the server name where the subscriber service is running.

          1.   **Example** http://*localhost*:9100/AHASubscriberHandler/

     iii.   In the Database Connection String for AcuoMed, change the server name and database name if needed.

     iv.   In the Database Connection String for AcuoStore, change the server name and database name if needed.

      v.   Click the Save button (or select Yes to save changes when prompted).

6.   To ensure AcuoHA Service starts successfully, on the Subscriber Server, configure namespace reservations (run the following inside a command line).

- netsh http add urlacl url=http://+:9100/AHASubscriberHandler user=*DOMAIN\user*

- netsh http add urlacl url=http://+:9100/mex user=*DOMAIN\user*

Refer to the *Acuo High Availability Installation and Configuration Guide* for more information about requirements, installation, and configuration.

Install AcuoSemantix (optional)

- To install AcuoSemantix, in the **\AcuoSemantix 6.0.4.XX** folder, click **Setup.exe** and select **Run As Administrator**.

Important Install AcuoSemantix after installing AcuoMed and AcuoStore.

Refer to the *AcuoSemantix Installation and Operations Guide* for more information about installation and configuration.

Install AcuoWADO (optional)

- To install AcuoWADO, in the **\WADO 6.0.4.XX** folder, click **Setup.exe** and select **Run As Administrator**.

Refer to the *AcuoWADO Product Guide* for more information about installation and configuration.

Install AcuoXDS Accelerator, AcuoXDS Registry, and AcuoXDS Repository (optional)

- To install AcuoXDS Accelerator, AcuoXDS Registry, and AcuoXDS Repository in each of the following folders, click **Setup.exe** and select **Run As Administrator**.

  - **\XDS Accelerator 6.0.4.XX**

  - **\XDS Registry 6.0.4.XX**

  - **\XDS Repository 6.0.4.XX**

Refer to the *AcuoXDS Installation and Operations Guide* for more information about installation and configuration.

Install Acuo Workflow Services (optional)

To install Acuo Workflow Services, in the **\Workflow 6.0.4.XX** folder, click **Setup.exe** and select **Run As Administrator**.

Refer to the *Acuo Workflow Services Operations Guide* for more information about installation and configuration.

Post-Install Configuration & Service Startup

- Install and configure AcuoStore and AcuoMed as needed (install databases and configure the system).
- Start Acuo services, beginning with AcuoStore, followed by AcuoMed, and then all other services.

Note Unless an archive device is connected, the Acuo Tier Manager service should remain disabled.

New Install Procedure - Patient Management Standalone (6.0.4)

Complete the following steps to run the Patient Management standalone installer. Refer to the **Appendix A: Installation Components 6.0.x** for more information about Acuo Host Server Setup installer.

1. To install the prerequisites, in the **\System Prereqs 6.0.4.XX** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. Run the Host Setup Installer. In the **\Host Setup 6.0.4.XX** folder, right-click **Setup.exe** and select **Run As Administrator**.

3. To run the AcuoMed install script, complete the following substeps.

   a. In the **\AcuoMed 6.0.4.XX** folder, right-click **Setup.exe** and select **Run As Administrator**.

   b. In the **Setup Type** dialog box, select **Patient Management Only Installation**.

Acuo Release 6.0.3

Supported Operating System and SQL Server Versions (6.0.3)

Below is a list of supported OS/SQL combinations for this release.

Operating System	SQL Server
Windows Server 2012 R2	• SQL Server 2014 SP2 • SQL Server 2012 SP3 • No SQL (Patient Management standalone installations)
Windows Server 2012	• SQL Server 2012 SP3 • No SQL (Patient Management standalone installations)
Windows Server 2008 R2 (x64)	• SQL Server 2012 SP3 • SQL Server 2008 R2 SP3 • SQL Server 2008 SP4 • No SQL (Patient Management standalone installations)
Windows 10 *	• SQL Server 2014 SP1 - Express • No SQL (Patient Management standalone installations)
Windows 8.1 *	• SQL Server 2012 SP3 – Express • No SQL (Patient Management standalone installations)
Windows 7 *	• SQL Server 2008 R2 SP2 - Express • No SQL (Patient Management standalone installations)
* Support for Windows 10, Windows 8.1 and Windows 7 is limited to Patient Management Standalone installations and small volume temporals.	

- Notable Items Added in 6.0.3 (from 6.0.2):
  - Windows 10

- Notable Items Dropped in 6.0.3 (from 6.0.2):
  - Windows Server 2008 (all non-R2 versions)
  - Windows 7 (32 bit)

Supported Upgrade Paths (6.0.3)

If performing an upgrade from a previous version, use the table below and verify the current Acuo version installed supports the upgrade.

Existing Version Number	New Version Number
6.0.1 (any Hotfix or Patch Level)	6.0.3
6.0.2 (any Hotfix or Patch Level)	

Web VNA Interoperability (6.0.3)

The table below shows the current interoperability support for the VNA and Web VNA versions.

VNA Version	Web VNA Version
6.0.3	1.4.0
6.0.2 HF4	

New Install Procedure - Complete Install (6.0.3)

Notes on a full server installation.

- Installer log files are found at the following location:
    - C:\Program Files\Common Files\Acuo Technologies
- For AcuoStore and AcuoMed, after installing the software, databases are installed and configured using the MMC. Database locations are specified during creation, which can be any drive or storage device accessible by the SQL Server instance hosting the database.
- After installing AcuoStore, you create and configure image share folders. The location can be any drive or storage device accessible by the server hosting AcuoStore.
- Other Acuo products automatically create databases during installation. You specify the location of the database files when installing the product. The location can be any drive or storage device accessible by the SQL Server instance hosting the database.
- If you are installing to a non-system drive (a drive other than the C:\ drive), note the following:
    - The Acuo Host Server Setup installer is the only installer that allows you to change the installation folder to a non-system drive.
    - The product installers do not allow you to change the installation folder. Since Acuo Host Server Setup installer installs shared files that are needed for other Acuo products, subsequent product installers must install to the same directory.

- The installation steps require you to run a separate Prerequisite and Acuo Host Server Setup installer. Refer to the **Appendix A: Installation Components 6.0.x** for more information about the types of components installed on your system during the installation process.

- If you specify domain users during installation, when specifying the account to use for Acuo services, you may need to run the Computer Browser service. The alternative is to specify the local AcuoServiceUser in the installers and then change the user in the Services node after the installers are complete.

Preliminary Install Steps

Verify that the latest supported Service Pack for SQL Server is installed. Reference the section above "Supported Operating System and SQL Server Versions (6.0.3)".

Note To find the SQL Server Service Pack version, run the following query inside SQL Server Management Studio: *select @@version*

Disable User Account Control (UAC)

3. To install AcuoMed/AcuoStore on Windows Server 2008 and Windows Server 2012 / 2012 R2, disable User Account Control (UAC).

    e. From the **Start** menu, in the **Search** field, type **msconfig** and then press ENTER.

    f. In the **System Configuration Tool** dialog box, select the **Tools** tab.

    g. Select **Change UAC Settings** and then click **Launch**. A command window appears and a notification displays stating that the UAC is disabled.

    h. Restart your computer to apply the change.

    NOTE: An alternative way to disable UAC is by editing the registry as follows:

    - HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\policies\system**EnableLUA**
        o EnableLUA=0 (UAC is disabled)
        o EnableLUA=1 (UAC is enabled)

4. Optional. If installing AcuoHA or AcuoXDS, you must configure the Microsoft Distributed Transaction Coordinator (MSDTC) service. Choose one of following procedures:

    - *Configure MSDTC On Windows Server 2008 R2.*

    - *Configure MSDTC On Windows Server 2012 / 2012 R2.*

Configure MSDTC On Windows Server 2008 R2

To configure Windows Server 2008 R2, complete the following steps on the system where Acuo software is to be installed.

7. In the control panel, click Administrative Tools > Component Services > Computers > My Computer > Distributed Transaction Coordinator.

8. Right-click **Local DTC** and select **Properties**.

9. On the **Security** tab, complete the following substeps.

    a. Under **Security Settings**, select **Network DTC Access**.

    b. Under **Transaction Manager Communication**, select **Allow Inbound** and **Allow Outbound**.

10. Click **OK**.

11. Click **Yes** to restart the MSDTC service.

Configure MSDTC On Windows Server 2012 / 2012 R2

To configure Windows Server 2012, complete the following steps on the system where Acuo software is to be installed.

12. In the **Server Manager**, click **Tools Menu > Component Services** > **Computers** > **My Computer** > **Distributed Transaction Coordinator**.

13. Right-click **Local DTC** and select **Properties**.

14. On the **Security** tab, complete the following substeps.

    a. Under **Security Settings**, select **Network DTC Access**.

    b. Under **Transaction Manager Communication**, select **Allow Inbound** and **Allow Outbound**.

15. Click **OK**.

16. Click **Yes** to restart the MSDTC service.

Acuo Install Steps

Install Prerequisite and Host Setup installer

Complete the following steps on any system where Acuo software is to be installed. For more information about Acuo Host Server Setup, see **Appendix A: Installation Components 6.0.x**.

4. To install the prerequisites, in the **\System Prereqs 6.0.3.XX** folder, right-click **Setup.exe** and select **Run As Administrator**.

5. To run the Acuo Host Server Setup installer, in the **\Host Setup 6.0.3.XX** folder, right-click **Setup.exe** and select **Run As Administrator**.

6. After running the Host Setup installer, reboot the system (some tools require access to files installed by Host Setup, and these are not available until the system is rebooted).

Install AcuoStore

- To install AcuoStore, in the **\AcuoStore 6.0.3.XX** folder, right-click Setup.exe and select Run As Administrator.

Install AcuoMed

- To install AcuoMed, in the **\AcuoMed 6.0.3.XX** folder, right-click Setup.exe and select Run As Administrator.

Install AcuoHA (optional)

17. In the **\AcuoHA 6.0.3.XX** folder, right-click **Setup.exe** and select **Run As Administrator**.

    Important Install AcuoHA after installing AcuoMed and AcuoStore.

18. Ensure an archive device has been configured in AcuoStore (on both the Publisher and Subscriber servers) before proceeding below.

19. In the **AcuoStore Digital Asset Manager Properties** dialog box, enter the AcuoHA SQL instance name and AcuoHA database name (right-click the Digital Asset Manager Server node, select Properties).

20. On the Publisher Server, perform the following steps:

    d. In AcuoStore, set the AcuoHA type to Publisher for all necessary Applications. Right click and set to Publisher.

    e. Add the AcuoHA Manager snap-in to the MMC.

    f. Add a new Publisher. Right-click on newly added Acuo HA Manager snap-in and select Add New Publisher option.

        i. Enter Database Connection String (copy the example, change the server name, change the database name if needed)

            - Example: server=PG46;integrated security=SSPI;database=AcuoHighAvailability)

        iv. Click Test button to check the database connectivity.

        v. Click OK and verify that a Publisher sub node has been added under Acuo HA Manager.

    a. Click the Publisher node inside the AcuoHA Manager snap-in.

        v. When selecting the **Publisher** node in the **Microsoft Management Console**, click **No** when prompted to load the configuration.

        vi. In the Metadata Replication Subscribers section, click **Add** (the Subscriber connection information).

        vii. In the **Subscriber URL** field, update the default *<localhost>* to the server name where the subscriber service is running.

            Example http://*<localhost>*:9100/AHASubscriberHandler/

        viii. Optional. In the Applications field, add a list of Application Names (or leave blank to publish to all Applications).

6. On the Subscriber Server, perform the following steps:

    d. In AcuoStore, set the AcuoHA type to Subscriber for all necessary Applications. Right-click and set to Subscriber.

    e. Add the AcuoHA Manager snap-in to the MMC.

    f. Add a new Subscriber. Right click on newly added Acuo HA Manager and select Add New Subscriber option.

        iv. Enter Database Connection String (copy the example, change the server name, change the database name if needed)

            o Example: server=PG46;integrated security=SSPI;database=AcuoHighAvailability)

        v. Click Test button to check the database connectivity.

        vi. Click OK and verify that a Subscriber sub node has been added under Acuo HA Manager.

    e. Click the Subscriber node inside the AcuoHA Manager snap-in.

        i. When selecting the **Subscriber** node in the **Microsoft Management Console**, click **No** when prompted to load the configuration.

        ii. Optional. In the **Listening URL** field, update the default *<localhost>* to the server name where the subscriber service is running.

        1. **Example** http://*localhost*:9100/AHASubscriberHandler/

     iii.   In the Database Connection String for AcuoMed, change the server name and database name if needed.

     iv.   In the Database Connection String for AcuoStore, change the server name and database name if needed.

     v.   Click the Save button (or select Yes to save changes when prompted).

21. To ensure AcuoHA Service starts successfully, on the Subscriber Server, configure namespace reservations (run the following inside a command line).

- netsh http add urlacl url=http://+:9100/AHASubscriberHandler user=*DOMAIN\user*

- netsh http add urlacl url=http://+:9100/mex user=*DOMAIN\user*

Refer to the *Acuo High Availability Installation and Configuration Guide* for more information about requirements, installation, and configuration.

Install AcuoSemantix (optional)

- To install AcuoSemantix, in the **\AcuoSemantix 6.0.3.XX** folder, click **Setup.exe** and select **Run As Administrator**.

Important Install AcuoSemantix after installing AcuoMed and AcuoStore.

Refer to the *AcuoSemantix Installation and Operations Guide* for more information about installation and configuration.

Install AcuoWADO (optional)

- To install AcuoWADO, in the **\WADO 6.0.3.XX** folder, click **Setup.exe** and select **Run As Administrator**.

Refer to the *AcuoWADO Product Guide* for more information about installation and configuration.

Install AcuoXDS Accelerator, AcuoXDS Registry, and AcuoXDS Repository (optional)

- To install AcuoXDS Accelerator, AcuoXDS Registry, and AcuoXDS Repository in each of the following folders, click **Setup.exe** and select **Run As Administrator**.

  - **\XDS Accelerator 6.0.3.XX**

  - **\XDS Registry 6.0.3.XX**

  - **\XDS Repository 6.0.3.XX**

Refer to the *AcuoXDS Installation and Operations Guide* for more information about installation and configuration.

Install Acuo Workflow Services (optional)

To install Acuo Workflow Services, in the **\Workflow 6.0.3.XX** folder, click **Setup.exe** and select **Run As Administrator**.

Refer to the *Acuo Workflow Services Operations Guide* for more information about installation and configuration.

Post-Install Configuration & Service Startup

- Install and configure AcuoStore and AcuoMed as needed (install databases and configure the system).
- Start Acuo services, beginning with AcuoStore, followed by AcuoMed, and then all other services.

Note Unless an archive device is connected, the Acuo Tier Manager service should remain disabled.

New Install Procedure - Patient Management Standalone (6.0.3)

Complete the following steps to run the Patient Management standalone installer. Refer to the **Appendix A: Installation Components 6.0.x** for more information about Acuo Host Server Setup installer.

4. To install the prerequisites, in the **\System Prereqs 6.0.3.XX** folder, right-click **Setup.exe** and select **Run As Administrator**.

5. Run the Host Setup Installer. In the **\Host Setup 6.0.3.XX** folder, right-click **Setup.exe** and select **Run As Administrator**.

6. To run the AcuoMed install script, complete the following substeps.

   c. In the **\AcuoMed 6.0.3.XX** folder, right-click **Setup.exe** and select **Run As Administrator**.

   d. In the **Setup Type** dialog box, select **Patient Management Only Installation**.

Upgrade Install Procedure – Complete Install (6.0.3)

Use this procedure when upgrading to 6.0.3. You must know the SQL login and password to complete the upgrade procedure.

Verify Supported Upgrade Path

Reference the Supported Upgrade Paths (6.0.3) section above to verify the current Acuo version installed supports the upgrade.

Verify SQL Server Service Pack Version

Verify that the latest supported Service Pack for SQL Server is installed. Reference the section above "Supported Operating System and SQL Server Versions (6.0.3)".

> **Note** To find the SQL Server Service Pack version, run the following query inside SQL Server Management Studio: *select @@version*

Uninstall Steps

Important Always back up all pertinent databases and copy them off the system. This should be done prior to uninstalling, and again after installing/upgrading Acuo software.

If you specify domain users during installation, when specifying the account to use for Acuo services, you may need to run the Computer Browser service. The alternative is to specify the local AcuoServiceUser in the installers, then change the user in the Services node after the installers are complete.

Note The message box that prompted you to re-enable services was removed in the 6.0.1 release.

1. If currently enabled, Disable User Account Control (UAC).

    a. From the Start menu, in the Search field, type msconfig and then press ENTER.

    b. In the System Configuration Tool dialog box, select the Tools tab.

    c. Select Change UAC Settings and then click Launch. A command window appears and a notification displays stating that the UAC is disabled.

    d. Restart your computer to apply the change.

    NOTE: An alternative way to disable UAC is by editing the registry as follows:

    - HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\policies\system**EnableLUA**
        - EnableLUA=0 (UAC is disabled)
        - EnableLUA=1 (UAC is enabled)

2. Stop and disable all Acuo services (all Acuo Services should be prefaced with "Acuo").

3. Close all Microsoft Management Consoles.

    - Windows Server 2012: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

    - Windows Server 2008 R2: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

    - **Note** Optionally, you can stop and restart SQL Server to ensure these connections are dropped.

4. Close all open Activity Log sessions.

5. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections, which are connected to the server you are upgrading.

    Note Optionally, you can stop and restart SQL Server to ensure these connections are dropped.

6. Complete the following backup procedures.

    a. Perform a full backup of all Acuo databases.

    b. Backup a copy of all Acuo Technologies folders (and Common Files directories) as follows.

        i.   C:\Program Files\Acuo Technologies

        ii. C:\Program Files\Common Files\Acuo Technologies

        iii. C:\Program Files (x86)\Acuo Technologies

        iv. C:\Program Files (x86)\Common Files\Acuo Technologies

    Note If upgrading from 6.0.1 to 6.0.3 and using Tag Mapper, the command files are not restored upon upgrade. Tag Mapper command files from the above backup will need to be restored after upgrading to 6.0.3.

    Note If upgrading from version6.0.0 (to 6.0.1 or 6.0.2), the AcuoHA configuration files for Publishers and Subscribers will be needed after reinstalling the new version (AHAPublisherSrv.exe.config; AHASubscriberSrv.exe.config). If upgrading from 6.0.1 or 6.0.2 to 6.0.3, AcuoHA configuration files should be automatically restored upon upgrade.

      c.   Backup/Export a copy of the following registry locations.

- HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Acuo Technologies
- HKEY_LOCAL_MACHINE\SOFTWARE\Acuo Technologies\

7. Reboot the server.

8. In the **Control Panel**, uninstall the following products in the order they are listed. If applicable, in the InstallShield Wizard dialog box, select **Yes** to save the current configuration.

- Acuo Workflow Services (if applicable)
- AcuoSemantix (if applicable)
- AcuoHA (if applicable)
- AcuoWADO (if applicable)
- AcuoXDS Accelerator (if applicable)
- AcuoXDS Registry (if applicable)
- AcuoXDS Repository (if applicable)
- AcuoStore Web Services (if applicable)
- AcuoMed
- AcuoStore
- Acuo Host Server Setup (all versions)

9. If necessary, upgrade the Windows Operating System.

   Note Verify a stable functional environment with run time before upgrading the Windows Operating System.

10. If necessary, upgrade SQL Server.

Acuo Re-Install Steps

Note Installer log files are found at the following location:

      o   C:\Program Files\Common Files\Acuo Technologies

Install Prerequisite and Host Setup installer

Complete the following steps on any system where Acuo software is installed. Refer to the **Appendix A: Installation Components 6.0.x** for more information about Host Server setup.

1. To install the prerequisites, in the **\System Prereqs 6.0.3.XX** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. To run the Acuo Host Server Setup installer, in the **\Host Setup 6.0.3.XX** folder, right-click **Setup.exe** and select **Run As Administrator**.

3. After running the Host Setup installer, reboot the system (some tools require access to files installed by Host Setup, and these are not available until the system is rebooted).

Install AcuoStore

1. To install AcuoStore, in the **\AcuoStore 6.0.3.XX** folder, right-click **Setup.exe** and select **Run As Administrator.**

2. After the installer completes, run the database upgrade.

3. Optional. To manually re-run the AcuoStore DB Upgrade, in the **C:\Program Files\Acuo Technologies\AcuoStore** folder, run the **UpdateAcuoStore.exe** file.

Install AcuoMed

1. To install AcuoMed, in the **\AcuoMed 6.0.3.XX** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. After the installer completes, run the database upgrade.

3. Optional. To manually re-run the AcuoMed DB Upgrade, in the **C:\Program Files\Acuo Technologies\AcuoStore** folder, run the **UpdateAcuoMed.exe** file.

Install AcuoHA (optional)

1. In the **\AcuoHA 6.0.3.XX** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. In the **AcuoStore Digital Asset Manager Properties** dialog box, verify the AcuoHA SQL instance name and AcuoHA database name (right-click the Digital Asset Manager Server node, select Properties).

3. Add the AcuoHA Manager snap-in to the MMC.

7. On the Publisher Server, perform the following steps:

    a. Add a new Publisher. Right click on newly added Acuo HA Manager snap-in and select Add New Publisher option.

        i. Enter Database Connection String (copy the example, change the server name, change the database name if needed)

            o Example: server=PG46;integrated security=SSPI;database=AcuoHighAvailability)

        ii. Click Test button to check the database connectivity.

        iii. Click OK and verify that a Publisher sub node has been added under Acuo HA Manager.

    b. Click the Publisher node inside the AcuoHA Manager snap-in.

        i. If upgrading from 6.0.0 to 6.0.2 (before going to 6.0.3):

            a) Click **Yes** when prompted to load the configuration (or click the Load exe.config button). Select the previously backed up Publisher configuration file (AHAPublisherSrv.exe.config).

            b) Click **Save**.

        ii. If upgrading from 6.0.1 or 6.0.2 to 6.0.3, the configuration should be in place upon upgrade (it should not need to be reloaded from the backed up file).

5. On the Subscriber Server, perform the following steps:

    a. Add a new Subscriber. Right click on newly added Acuo HA Manager and select Add New Subscriber option.

        i.   Enter Database Connection String (copy the example, change the server name, change the database name if needed)

            a)   Example: server=PG46;integrated security=SSPI;database=AcuoHighAvailability)

        ii.   Click Test button to check the database connectivity.

        iii.   Click OK and verify that a Subscriber sub node has been added under Acuo HA Manager.

  b.   Click the Subscriber node inside the AcuoHA Manager snap-in.

        i.   If upgrading from 6.0.0 to 6.0.2 (before going to 6.0.3):

            a)   Click **Yes** when prompted to load the configuration (or click the Load exe.config button). Select the previously backed up Subscriber configuration file (AHASubscriberSrv.exe.config).

            b)   Click Save.

        ii.   If upgrading from 6.0.1 or 6.0.2 to 6.0.3, the configuration should be in place upon upgrade (it should not need to be reloaded from the backed up file).

Install AcuoSemantix (optional)

1. To install AcuoSemantix, in the **\AcuoSemantix 6.0.3.XX** folder, click **Setup.exe** and select **Run As Administrator**.

2. After upgrading AcuoSemantix, replace **the RisTableMap.xml** file with the previous version that was backed up from the **C:\Program Files (x86)\Acuo Technologies\AcuoSemantix** folder.

   Refer to the *AcuoSemantix Installation and Operations Guide* for more information about installation and configuration.

Install AcuoWADO (optional)

To install AcuoWADO, in the **\WADO 6.0.3.XX** folder, click **Setup.exe** and select **Run As Administrator**.

Refer to the *AcuoWADO Installation and Operations Guide* for more information about installation and configuration.

Install AcuoXDS Accelerator, AcuoXDS Registry, and AcuoXDS Repository (optional)

To install AcuoXDS Accelerator, AcuoXDS Registry, and AcuoXDS Repository, in each of the following folders, click **Setup.exe** and select **Run As Administrator**.

- **\XDS Accelerator 6.0.3.XX**

- **\XDS Registry 6.0.3.XX**

- **\XDS Repository 6.0.3.XX**

Refer to the *AcuoXDS Installation and Operations Guide* for more information about installation and configuration.

Install Acuo Workflow Services (optional)

To install Acuo Workflow Services, in the **\Workflow 6.0.3.XX** folder, click **Setup.exe** and select **Run As Administrator**.

Refer to the *Acuo Workflow Services Operations Guide* for more information about installation and configuration.

Post Upgrade Install and Service Startup

To start Acuo services, you may first need to reset the domain account password within each of the installed services when running the Acuo services as a domain account. To reset the password, complete the following steps.

1. In the **Services** dialog box, right-click the service and select **Properties**.

2. On the **Log On** tab, select **This account**.

3. In the **Password** field, enter the password for the domain account, and re-enter the password in the **Confirm Password field**.

4. Click **OK**.

5. In the **Services** dialog box, start the service.

Start Acuo services, beginning with AcuoStore, followed by AcuoMed, and then all other services.

Notes

Unless an archive device is connected, the Acuo Tier Manager service should remain disabled.

Upgrade Install Procedure - Patient Management Standalone (6.0.3)

Complete the following steps to upgrade an existing Patient Management Standalone installation.

1. In the **Control Panel**, uninstall the following products.

    -   AcuoMed

    -   Acuo Host Server Setup (all versions)

2. Close all Microsoft Management Consoles.

3. If necessary, upgrade the Windows Operating System.

    Note Verify a stable functional environment with run time before upgrading the Windows Operating System.

4. To install the prerequisites, in the **\System Prereqs 6.0.3.XX** folder, right-click **Setup.exe** and select **Run As Administrator**. Refer to the **Appendix A: Installation Components 6.0.x** for more information about Host Server setup.

5. To run the Acuo Host Server Setup installer, in the **\Host Setup 6.0.3.XX** folder, right-click **Setup.exe** and select **Run As Administrator**.

6. To run the AcuoMed install script, complete the following steps.

    a. In the **\AcuoMed 6.0.3.XX** folder, right-**click Setup.exe** and select **Run As Administrator**.

    b. In the **Setup Type** dialog box, select **Patient Management Only Installation**.

Acuo Release 6.0.2 Hotfix 4

The following products were updated in the 6.0.2 Hotfix 4 release.

- AcuoStore Digital Asset Manager™
- AcuoMed Image Manager™
- AcuoSemantix™
- AcuoHA™
- AcuoWorkflow Services™
- AcuoWADO™
- AcuoXDS Registry, AcuoXDS Repository, AcuoXDS Accelerator™ (full installers)
- AcuoStore Web Services™ (full installer)

6.0.2 Product and Version Summary

The following table provides a summary of all products and the latest released version (for all 6.0.2 releases - up to 6.0.2 HF4).

Name	Latest Release	Location	Updated Files - Date Modified
AcuoStore	6.0.2.417 HF4	C:\Program Files (x86)\Acuo Technologies\AcuoStore	10-7-2016
AcuoMed	6.0.2.417 HF4	C:\Program Files (x86)\Acuo Technologies\AcuoMed	10-7-2016
Common Files (no separate installer)	Not applicable	C:\Program Files (x86)\Acuo Technologies\Common	10-7-2016
AcuoSemantix	6.0.2.417 HF4	C:\Program Files (x86)\Acuo Technologies\AcuoSemantix	10-7-2016
AcuoHA	6.0.2.417 HF4	C:\Program Files (x86)\Acuo Technologies\AcuoHA	10-7-2016
AcuoWorkflow Services	6.0.2.417 HF4	C:\Program Files (x86)\Acuo Technologies\Workflow Services	10-7-2016
AcuoWADO	6.0.2.417 HF4	C:\Program Files (x86)\Acuo Technologies\AcuoWADO	10-7-2016
XDS Installers Note: There are no hotfix installers for XDS, only updated full Service Pack level installers.			
XDS Registry	6.0.2.417	C:\Program Files (x86)\Acuo Technologies\XDSRegistry C:\Program Files\Acuo Technologies\XDSRegistry	10-25-2016 10-7-2016
XDS Repository	6.0.2.417	C:\Program Files (x86)\Acuo Technologies\XDSRepository C:\Program Files\Acuo Technologies\XDSRepository	10-25-2016 10-7-2016

Name	Latest Release	Location	Updated Files - Date Modified
XDS Accelerator	6.0.2.417	C:\Program Files (x86)\Acuo Technologies\XDSAccelerator	10-25-2016 10-7-2016
AcuoStore Web Services Note: There are no hotfix installers for AcuoStore Web Services, only updated full Service Pack level installers.			
AcuoStore Web Services	6.0.2.475	C:\Program Files\Acuo Technologies\AcuoStoreWebServices	12-7-2016

New Install Procedure

To perform a new install that includes 6.0.2 HF4, complete the following procedures.

Run the Base 6.0.2 Service Pack Installers

Verify that the latest supported Service Pack for SQL Server is installed. Reference the section below "Supported Operating System and SQL Server Versions (6.0.2)".

> **Note** To find the SQL Server Service Pack version, run the following query inside SQL Server Management Studio: *select @@version*

Follow the 6.0.2 new install instructions and run the base Service Pack installers for AcuoMed and AcuoStore (and other products if applicable). Reference the section below "New Install Procedure - Complete Install (6.0.2)".

Note The XDS and AcuoStore Web Services installers are full installers updated in conjunction with the release of 6.0.2 HF4. The only installers needed for these products are the most recent ones updated in this release (any original base installers or previously released full installers do not need to be run). Therefore, the steps below to "Run Hotfix Installers" (for a new install) do not apply for XDS or AcuoStore Web Services.

Run Hotfix Installers

Run the applicable hotfix installers below (see the 6.0.2 Product and Version Summary above for the latest hotfix for each product).

Install AcuoStore

1. Run the AcuoStore 6.0.2 HF4 install script (right-click and select **Run as administrator**).

2. Click **Cancel** when prompted to install database updates.

    Note This step assumes that databases are not yet installed.

3. Click **Yes** in the window that indicates the services were disabled when the update was installed.

    Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

Install AcuoMed

1. Run the AcuoMed 6.0.2 HF4 install script (right-click and select **Run as administrator**).

2. Click **Cancel** when prompted to install database updates.

   Note This step assumes that databases are not yet installed.

3. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** should change the startup type back to **Automatic** but it will not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

4. In the message box, verify the version information is correct and click **OK**.

Install Additional Hotfixes (Optional)

Install additional hotfixes similar to the steps above. If the base installer already installed databases, run the database upgrade as necessary.

- AcuoSemantix 6.0.2 HF4
- AcuoHA 6.0.2 HF4
- AcuoWorkflow 6.0.2 HF4
- AcuoWADO 6.0.2 HF4

Install databases

Install the AcuoStore, AcuoMed, and DICOM databases and configure the system.

Upgrade Procedure

To upgrade to version 6.0.2 Hotfix 4, complete the following steps.

Verify that the latest supported Service Pack for SQL Server is installed. Reference the section below "Supported Operating System and SQL Server Versions (6.0.2)".

   Note To find the SQL Server Service Pack version, run the following query inside SQL Server Management Studio: *select @@version*

1. To install AcuoMed/AcuoStore on Windows Server 2008 and Windows Server 2012, first disable User Account Control (UAC). To disable UAC, complete the following substeps.

   a. From the **Start** menu, in the **Search** field, type `msconfig` then press ENTER.

   b. In the **System Configuration Tool** dialog box, select the **Tools** tab.

   c. Select **Change UAC Settings** and then click **Launch**. Change to **Never Notify** and click OK.

   d. Restart your computer to apply the change.

   NOTE: An alternative way to disable UAC is by editing the registry as follows:

   - HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\policies\system**EnableLUA**
     - EnableLUA=0 (UAC is disabled)
     - EnableLUA=1 (UAC is enabled)

2. Verify the base 6.0.2 version is installed for the products you are upgrading (this upgrade procedure assumes the base 6.0.2 version is already installed).

3. Stop and disable all Acuo services.

4. Close all Microsoft Management Consoles.

   - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

   - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

5. Close all open Activity Log sessions.

6. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections that are connected to the server being upgraded.

   Note Alternatively, you can stop and restart SQL Server.

7. Backup all databases.

8. Backup a copy of all Acuo Technologies Program Files and Program Files (x86) directories.

9. If applicable, **uninstall any XDS products (**XDS Accelerator, XDS Registry, XDS Repository) **and AcuoStore Web Services via the Control Panel.**

   Note This step is new in HF4 (when upgrading to XDS 6.0.2.417, an uninstall is needed).

Run Hotfix Installers

Complete the following steps for each product you want to install.

1. Run the install script for the product you want to install (right-click and select Run as administrator).

   Example The AcuoStore install script is *AcuoStore 6.0.2 Hotfix-4.exe*.

2. In the message box, verify the name of the installer and click **Accept** to continue.

   Important Any customization made to the Standard Acuo database schemas will be overwritten while running the database upgrade script in the following step. Back up all pertinent databases and copy them off the system prior to continuing the upgrade.

3. In the **Update Storage Server** dialog box, under **Connection type**, select **Windows user authentication using your credentials** or enter the SQL Server login and password to run the database upgrade.

   Important Only qualified support personnel should perform a selective database upgrade. These upgrades have potential to corrupt the installed databases if not performed correctly.

4. Verify no errors are present when the upgrade script runs.

5. Click **Exit**.

6. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

7. In the message box, verify the version information is correct and click **OK**.

Run Applicable Full Installers

1. If applicable, run the 6.0.2.417 (full) installers for XDS (XDS Accelerator, XDS Registry, XDS Repository).

2. If applicable, run the 6.0.2.475 full installer for AcuoStore Web Services.

Verify files exist

Verify new files exist for each product installed.

6.0.2 HF4 Upgrade Note – Acuo Workflow Services

If using Acuo Workflow Services and upgrading from a hotfix prior to 6.0.2 HF3, the following changes are needed in order to start the Patient Management REST Service:

1. Add the following configuration in bold to the AcuoPatientManagement.exe.config file:
     ```
     <appSettings>
         <add key="PmRestAddress" value="http://0.0.0.0:9010/AcuoPM" />
         <add key="RemRestAddress" value="http://0.0.0.0:9010/AcuoREM" />
     </appSettings>
     ```

2. Run the following netsh command:

     netsh http add urlac url=http://HostName:9010/AcuoREM user= HostName\AcuoServiceUser

     i. Note: An IP or actual host name must be entered for HostName (do not enter "localhost").

Refer to the "*Acuo Workflow Services_Product Guide_6.0.2.doc*" for more information on installation and configuration.

Start services

1. Start the following Acuo services in the order they appear below.

     a. AcuoStore

     b. AcuoMed

     c. AcuoAudit

     d. Acuo Tier Manager (if applicable)

     e. AcuoSemantix (if applicable)

     f. AcuoHA Publisher/Subscriber (if applicable)

     g. AcuoWADO (if applicable)

     h. AcuoWorkflow Services (if applicable)

     i. Acuo Patient Management REST Service (if applicable)

     j. AcuoStore Web Services (if applicable)

     k. XDS Registry (if applicable)

     l. XDS Repository (if applicable)

     m. XDS Accelerator (if applicable)

     n. XDS Information (if applicable)

2. Verify the startup type is set to **Automatic**.

Back up databases

After the upgrade is complete, back up all pertinent databases and copy them off the system.

Uninstall procedure

The general steps to uninstall a hotfix are the following:

- Run an uninstall script (this will revert files back to their original, pre-hotfix state).

- Restore databases (hotfix installers may contain database updates, therefore it is necessary to restore databases back to their original state).

Important Note: Since Hotfix installers include database updates, a hotfix should only be rolled back if there are issues with the installer(s) and/or the database upgrade process. Once services have been restarted, a Hotfix rollback should not be performed. Contact Support if a Hotfix rollback/uninstall is needed.

Complete the following steps to uninstall the hotfix.

1. Close all Microsoft Management Consoles.

    - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

    - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

2. Close all open Activity Log sessions.

3. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections, which are connected to the server being upgraded.

    Note Alternatively, you can stop and restart SQL Server.

4. For each product you want to uninstall, in the **C:\Program Files (x86)\Acuo Technologies\<product>\ <hotfix installer>** folder, run the **UninstallUpdate.vbs** script.

    Example C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.2.417_H4_P0

5. Optional. If you received errors after running the uninstall script, in the **C:\Program Files (x86)\Acuo Technologies\<product>\ <hotfix installer>** folder, check the **LOG-UninstallUpdate_VBScript.txt** file (a log file created by the uninstaller) for more information about the error.

6. Verify the script successfully replaced the new hotfix files with the old (pre-hotfix) files.

    Example If you uninstalled an AcuoMed hotfix, the **Date Modified** field for *AcuoMed.exe* should reflect the date the file was last updated prior to installing the hotfix.

7. Optional. If you need to install the hotfix again, delete the original hotfix folder that was created from the previous installs.

    Example If you are reinstalling AcuoMed 6.0.2 HF4, delete the original hotfix folder:
    C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.2.414_H4_P0

8. After the uninstall process is complete, restore databases and transaction logs to the point prior to the hotfix upgrade.

Patient Management Standalone Install Procedure

Complete the following steps to run the Patient Management standalone installer for 6.0.2 HF4.

New install procedure

1. Follow the *6.0.2 Service Pack New Installation* instructions to install the standalone Patient Management client.

2. Run the AcuoMed install script: *AcuoMed 6.0.2 Hotfix-4.exe.*

   Note If installing on a 32 bit Windows 7 system, run the following script (instead of the one above): *AcuoMed 6.0.2 Hotfix-4 32bit.exe.*

Upgrade procedure

If you are upgrading the standalone Patient Management client from an earlier hotfix, complete the following steps.

1. Close all Microsoft Management Consoles.

   - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

   - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

2. Run the AcuoMed install script: *AcuoMed 6.0.2 Hotfix-4.exe.*

   Note If installing on a 32 bit Windows 7 system, run the following script (instead of the one above): *AcuoMed 6.0.2 Hotfix-4 32bit.exe.*

Acuo Release 6.0.2 Hotfix 3

The following products were updated in the 6.0.2 Hotfix 3 release.

- AcuoStore Digital Asset Manager™
- AcuoMed Image Manager™
- AcuoSemantix™
- AcuoHA™
- AcuoWorkflow Services™
- AcuoWADO™
- AcuoXDS Registry, AcuoXDS Repository, AcuoXDS Accelerator™ (full installers)
- AcuoStore Web Services™ (full installer)

6.0.2 Product and Version Summary

The following table provides a summary of all products and the latest released version (for all 6.0.2 releases - up to 6.0.2 HF3).

Name	Latest Release	Location	Updated Files - Date Modified
AcuoStore	6.0.2.309 HF3	C:\Program Files (x86)\Acuo Technologies\AcuoStore	1-28-2016
AcuoMed	6.0.2.309 HF3	C:\Program Files (x86)\Acuo Technologies\AcuoMed	1-28-2016
Common Files (no separate installer)	Not applicable	C:\Program Files (x86)\Acuo Technologies\Common	1-28-2016
AcuoSemantix	6.0.2.309 HF3	C:\Program Files (x86)\Acuo Technologies\AcuoSemantix	1-28-2016
AcuoHA	6.0.2.309 HF3	C:\Program Files (x86)\Acuo Technologies\AcuoHA	1-28-2016
AcuoWorkflow Services	6.0.2.309 HF3	C:\Program Files (x86)\Acuo Technologies\Workflow Services	1-28-2016
AcuoWADO	6.0.2.309 HF3	C:\Program Files (x86)\Acuo Technologies\AcuoWADO	1-28-2016
XDS Installers Note: There are no hotfix installers for XDS, only updated full Service Pack level installers.			
XDS Registry	6.0.2.309	C:\Program Files (x86)\Acuo Technologies\XDSRegistry	1-28-2016
XDS Repository	6.0.2.309	C:\Program Files (x86)\Acuo Technologies\XDSRepository	1-28-2016
XDS Accelerator	6.0.2.309	C:\Program Files (x86)\Acuo Technologies\XDSAccelerator	1-28-2016
AcuoStore Web Services Note: There are no hotfix installers for AcuoStore Web Services, only updated full Service Pack level installers.			
AcuoStore Web Services	6.0.2.309	C:\Program Files\Acuo Technologies\AcuoStoreWebServices	1-28-2016

New Install Procedure

To perform a new install that includes 6.0.2 HF3, complete the following procedures.

Run the Base 6.0.2 Service Pack Installers

Verify that the latest supported Service Pack for SQL Server is installed. Reference the section below "Supported Operating System and SQL Server Versions (6.0.2)".

Note To find the SQL Server Service Pack version, run the following query inside SQL Server Management Studio: *select @@version*

Follow the 6.0.2 new install instructions and run the base Service Pack installers for AcuoMed and AcuoStore (and other products if applicable). Reference the section below "New Install Procedure - Complete Install (6.0.2)".

Note The AcuoStore Web Services installer and all XDS installers are full installers updated in conjunction with the release of 6.0.2 HF3. The only installers needed for these products are the most recent ones updated in this release (any original base installers or previously released full installers do not need to be run).

Run Hotfix Installers

Run the applicable hotfix installers below (see the 6.0.2 Product and Version Summary above for the latest hotfix for each product).

Install AcuoStore

1. Run the AcuoStore 6.0.2 HF3 install script (right-click and select **Run as administrator**).
2. Click **Cancel** when prompted to install database updates.

    Note This step assumes that databases are not yet installed.

3. Click **Yes** in the window that indicates the services were disabled when the update was installed.

    Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

Install AcuoMed

1. Run the AcuoMed 6.0.2 HF3 install script (right-click and select **Run as administrator**).
2. Click **Cancel** when prompted to install database updates.

    Note This step assumes that databases are not yet installed.

3. Click **Yes** in the window that indicates the services were disabled when the update was installed.

    Note Clicking **Yes** should change the startup type back to **Automatic** but it will not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

5. In the message box, verify the version information is correct and click **OK**.

Install Additional Hotfixes (Optional)

Install additional hotfixes similar to the steps above. If the base installer already installed databases, run the database upgrade as necessary.

- AcuoSemantix 6.0.2 HF3
- AcuoHA 6.0.2 HF3
- AcuoWorkflow 6.0.2 HF3
- AcuoWADO 6.0.2 HF3

Install databases

Install the AcuoStore, AcuoMed, and DICOM databases and configure the system.

Upgrade Procedure

To upgrade to version 6.0.2 Hotfix 3, complete the following steps.

1. Verify that the latest supported Service Pack for SQL Server is installed. Reference the section below "Supported Operating System and SQL Server Versions (6.0.2)".

   Note To find the SQL Server Service Pack version, run the following query inside SQL Server Management Studio: ***select @@version***

2. To install AcuoMed/AcuoStore on Windows Server 2008 and Windows Server 2012, first disable User Account Control (UAC). To disable UAC, complete the following substeps.

   a. From the **Start** menu, in the **Search** field, type `msconfig` then press ENTER.

   b. In the **System Configuration Tool** dialog box, select the **Tools** tab.

   c. Select **Change UAC Settings** and then click **Launch**. Change to **Never Notify** and click OK.

   d. Restart your computer to apply the change.

   NOTE: An alternative way to disable UAC is by editing the registry as follows:

   - HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\policies\system**EnableLUA**
     - EnableLUA=0 (UAC is disabled)
     - EnableLUA=1 (UAC is enabled)

3. Verify the base 6.0.2 version is installed for the products you are upgrading (this upgrade procedure assumes the base 6.0.2 version is already installed).

4. Stop and disable all Acuo services.

5. Close all Microsoft Management Consoles.

   - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

   - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

6. Close all open Activity Log sessions.

7. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections that are connected to the server being upgraded.

   Note Alternatively, you can stop and restart SQL Server.

8. Backup all databases.

9. Backup a copy of all Acuo Technologies Program Files and Program Files (x86) directories.

Run Hotfix Installers

Complete the following steps for each product you want to install.

1. Run the install script for the product you want to install (right-click and select Run as administrator).

Example The AcuoStore install script is *AcuoStore 6.0.2 Hotfix-3.exe*.

2. In the message box, verify the name of the installer and click **Accept** to continue.

    Important Any customization made to the Standard Acuo database schemas will be overwritten while running the database upgrade script in the following step. Back up all pertinent databases and copy them off the system prior to continuing the upgrade.

3. In the **Update Storage Server** dialog box, under **Connection type**, select **Windows user authentication using your credentials** or enter the SQL Server login and password to run the database upgrade.

    Important Only qualified support personnel should perform a selective database upgrade. These upgrades have potential to corrupt the installed databases if not performed correctly.

4. Verify no errors are present when the upgrade script runs.

5. Click **Exit**.

6. Click **Yes** in the window that indicates the services were disabled when the update was installed.

    Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

7. In the message box, verify the version information is correct and click **OK**.

Verify files exist

Verify new files exist for each product installed.

6.0.2 HF3 Upgrade Note – Acuo Workflow Services

If using Acuo Workflow Services and upgrading from a prior 6.0.2 Hotfix, the following changes are needed in order to start the Patient Management REST Service:

1. Add the following configuration in bold to the AcuoPatientManagement.exe.config file:

    ```
    <appSettings>
        <add key="PmRestAddress" value="http://0.0.0.0:9010/AcuoPM" />
        <add key="RemRestAddress" value="http://0.0.0.0:9010/AcuoREM" />
    </appSettings>
    ```

2. Run the following netsh command:

    netsh http add urlac url=http://HostName:9010/AcuoREM user= HostName\AcuoServiceUser

    i. Note: An IP or actual host name must be entered for HostName (do not enter "localhost").

Refer to the "*Acuo Workflow Services_Product Guide_6.0.2.doc*" for more information on installation and configuration.

Start services

1. Start the following Acuo services in the order they appear below.

      a.   AcuoStore

      b.   AcuoMed

      c.   AcuoAudit

      d.   Acuo Tier Manager (if applicable)

      e.   AcuoSemantix (if applicable)

      f.   AcuoHA Publisher/Subscriber (if applicable)

      g.   AcuoWADO (if applicable)

      h.   AcuoWorkflow Services (if applicable)

      i.   Acuo Patient Management REST Service (if applicable)

      j.   AcuoStore Web Services (if applicable)

      k.   XDS Registry (if applicable)

      l.   XDS Repository (if applicable)

      m. XDS Accelerator (if applicable)

      n.   XDS Information (if applicable)

2. Verify the startup type is set to **Automatic**.

Back up databases

After the upgrade is complete, back up all pertinent databases and copy them off the system.

Uninstall procedure

The general steps to uninstall a hotfix are the following:

- Run an uninstall script (this will revert files back to their original, pre-hotfix state).

- Restore databases (hotfix installers may contain database updates, therefore it is necessary to restore databases back to their original state).

Important Note: Since Hotfix installers include database updates, a hotfix should only be rolled back if there are issues with the installer(s) and/or the database upgrade process. Once services have been restarted, a Hotfix rollback should not be performed. Contact Support if a Hotfix rollback/uninstall is needed.

Complete the following steps to uninstall the hotfix.

1. Close all Microsoft Management Consoles.

   - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

   - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

2. Close all open Activity Log sessions.

3. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections, which are connected to the server being upgraded.

   Note Alternatively, you can stop and restart SQL Server.

4. For each product you want to uninstall, in the **C:\Program Files (x86)\Acuo Technologies\<product>\ <hotfix installer>** folder, run the **UninstallUpdate.vbs** script.

   Example C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.2.309_H3_P0

5. Optional. If you received errors after running the uninstall script, in the **C:\Program Files (x86)\Acuo Technologies\<product>\ <hotfix installer>** folder, check the **LOG-UninstallUpdate_VBScript.txt** file (a log file created by the uninstaller) for more information about the error.

6. Verify the script successfully replaced the new hotfix files with the old (pre-hotfix) files.

   Example If you uninstalled an AcuoMed hotfix, the **Date Modified** field for *AcuoMed.exe* should reflect the date the file was last updated prior to installing the hotfix.

7. Optional. If you need to install the hotfix again, delete the original hotfix folder that was created from the previous installs.

   Example If you are reinstalling AcuoMed 6.0.2 HF3, delete the original hotfix folder: C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.2.309_H3_P0

8. After the uninstall process is complete, restore databases and transaction logs to the point prior to the hotfix upgrade.

Patient Management Standalone Install Procedure

Complete the following steps to run the Patient Management standalone installer for 6.0.2 HF2.

New install procedure

1. Follow the *6.0.2 Service Pack New Installation* instructions to install the standalone Patient Management client.

2. Run the AcuoMed install script: *AcuoMed 6.0.2 Hotfix-3.exe.*

   Note If installing on a 32 bit Windows 7 system, run the following script (instead of the one above): *AcuoMed 6.0.2 Hotfix-3 32bit.exe.*

Upgrade procedure

If you are upgrading the standalone Patient Management client from an earlier hotfix, complete the following steps.

1. Close all Microsoft Management Consoles.

    - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

    - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

2. Run the AcuoMed install script: *AcuoMed 6.0.2 Hotfix-3.exe.*

    Note If installing on a 32 bit Windows 7 system, run the following script (instead of the one above): *AcuoMed 6.0.2 Hotfix-3 32bit.exe.*

Acuo Release 6.0.2 Hotfix 2

The following products were updated in the 6.0.2 Hotfix 2 release.

- AcuoStore Digital Asset Manager™
- AcuoMed Image Manager™
- AcuoSemantix™
- AcuoHA™
- AcuoWorkflow Services™
- AcuoWADO™
- AcuoXDS Registry, AcuoXDS Repository, AcuoXDS Accelerator™ (full installers)
- AcuoStore Web Services™ (full installer)

New Install Procedure

To perform a new install that includes 6.0.2 HF2, complete the following procedures.

Run the Base 6.0.2 Service Pack Installers

Verify that the latest supported Service Pack for SQL Server is installed. Reference the section below "Supported Operating System and SQL Server Versions (6.0.2)".

Note To find the SQL Server Service Pack version, run the following query inside SQL Server Management Studio: *select @@version*

Follow the 6.0.2 new install instructions and run the base Service Pack installers for AcuoMed and AcuoStore (and other products if applicable). Reference the section below "New Install Procedure - Complete Install (6.0.2)".

Note The AcuoStore Web Services installer and all XDS installers are full installers updated in conjunction with the release of 6.0.2 HF2. The only installers needed for these products are the most recent ones updated in this release (any original base installers or previously released full installers do not need to be run).

Run Hotfix Installers

Run the applicable hotfix installers below (see the 6.0.2 Product and Version Summary above for the latest hotfix for each product).

Install AcuoStore

1. Run the AcuoStore 6.0.2 HF2 install script (right-click and select Run as administrator).

2. Click **Cancel** when prompted to install database updates.

   Note This step assumes that databases are not yet installed.

3. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

Install AcuoMed

1. Run the AcuoMed 6.0.2 HF2 install script (right-click and select **Run as administrator**).

2. Click **Cancel** when prompted to install database updates.

   Note This step assumes that databases are not yet installed.

3. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** should change the startup type back to **Automatic** but it will not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

4. In the message box, verify the version information is correct and click **OK**.

Install Additional Hotfixes (Optional)

Install additional hotfixes similar to the steps above. If the base installer already installed databases, run the database upgrade as necessary.

- AcuoSemantix 6.0.2 HF2
- AcuoHA 6.0.2 HF2
- AcuoWorkflow 6.0.2 HF2
- AcuoWADO 6.0.2 HF2

Install databases

Install the AcuoStore, AcuoMed, and DICOM databases and configure the system.

Upgrade Procedure

To upgrade to version 6.0.2 Hotfix 2, complete the following steps.

Verify that the latest supported Service Pack for SQL Server is installed. Reference the section below "Supported Operating System and SQL Server Versions (6.0.2)".

   Note To find the SQL Server Service Pack version, run the following query inside SQL Server Management Studio: *select @@version*

1. To install AcuoMed/AcuoStore on Windows Server 2008 and Windows Server 2012, first disable User Account Control (UAC). To disable UAC, complete the following substeps.

   a. From the **Start** menu, in the **Search** field, type `msconfig` and then press ENTER.

   b. In the **System Configuration Tool** dialog box, select the **Tools** tab.

   c. Select **Change UAC Settings** and then click **Launch**. A command window appears and a notification displays stating that the UAC is disabled.

   d. Restart your computer to apply the change.

2. Verify the base 6.0.2 version is installed for the products you are upgrading (this upgrade procedure assumes the base 6.0.2 version is already installed).

3. Stop and disable all Acuo services.

4. Close all Microsoft Management Consoles.

- **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

- **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

5. Close all open Activity Log sessions.

6. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections that are connected to the server being upgraded.

   Note Alternatively, you can stop and restart SQL Server.

7. Backup all databases.

8. Backup a copy of all Acuo Technologies Program Files and Program Files (x86) directories.

Run Hotfix Installers

Complete the following steps for each product you want to install.

1. Run the install script for the product you want to install (right-click and select Run as administrator).

   Example The AcuoStore install script is *AcuoStore 6.0.2 Hotfix-2.exe*.

2. In the message box, verify the name of the installer and click **Accept** to continue.

   Important Any customization made to the Standard Acuo database schemas will be overwritten while running the database upgrade script in the following step. Back up all pertinent databases and copy them off the system prior to continuing the upgrade.

3. In the **Update Storage Server** dialog box, under **Connection type**, select **Windows user authentication using your credentials** or enter the SQL Server login and password to run the database upgrade.

   Important Only qualified support personnel should perform a selective database upgrade. These upgrades have potential to corrupt the installed databases if not performed correctly.

4. Verify no errors are present when the upgrade script runs.

5. Click **Exit**.

6. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

7. In the message box, verify the version information is correct and click **OK**.

Verify files exist

Verify new files exist for each product installed.

Start services

1. Start the following Acuo services in the order they appear below.

   a. AcuoStore

   b. AcuoMed

    c.   AcuoAudit

    d.   Acuo Tier Manager (if applicable)

    e.   AcuoSemantix (if applicable)

    f.   AcuoHA Publisher/Subscriber (if applicable)

    g.   AcuoWADO (if applicable)

    h.   AcuoWorkflow Services (if applicable)

    i.   Acuo Patient Management REST Service (if applicable)

    j.   AcuoStore Web Services (if applicable)

    k.   XDS Registry (if applicable)

    l.   XDS Repository (if applicable)

    m. XDS Accelerator (if applicable)

    n.   XDS Information (if applicable)

2. Verify the startup type is set to **Automatic**.

Back up databases

After the upgrade is complete, back up all pertinent databases and copy them off the system.

Uninstall procedure

The general steps to uninstall a hotfix are the following:

- Run an uninstall script (this will revert files back to their original, pre-hotfix state).

- Restore databases (hotfix installers may contain database updates, therefore it is necessary to restore databases back to their original state).

Important Contact Perceptive Software Support prior to starting this procedure.

Complete the following steps to uninstall the hotfix.

1. Close all Microsoft Management Consoles.

    - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

    - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

2. Close all open Activity Log sessions.

3. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections, which are connected to the server being upgraded.

    Note Alternatively, you can stop and restart SQL Server.

4. For each product you want to uninstall, in the **C:\Program Files (x86)\Acuo Technologies\<*product*>\ <*hotfix installer*>** folder, run the **UninstallUpdate.vbs** script.

    Example C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.2.266_H2_P0

5. Optional. If you received errors after running the uninstall script, in the **C:\Program Files (x86)\Acuo**

Technologies\\<*product*>\\ <*hotfix installer*> folder, check the **LOG-UninstallUpdate_VBScript.txt** file (a log file created by the uninstaller) for more information about the error.

6. Verify the script successfully replaced the new hotfix files with the old (pre-hotfix) files.

   Example If you uninstalled an AcuoMed hotfix, the **Date Modified** field for *AcuoMed.exe* should reflect the date the file was last updated prior to installing the hotfix.

7. Optional. If you need to install the hotfix again, delete the original hotfix folder that was created from the previous installs.

   Example If you are reinstalling AcuoMed 6.0.2 HF2, delete the original hotfix folder: C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.2.266_H2_P0

8. After the uninstall process is complete, restore databases and transaction logs to the point prior to the hotfix upgrade.

Patient Management Standalone Install Procedure

Complete the following steps to run the Patient Management standalone installer for 6.0.2 HF2.

New install procedure

1. Follow the *6.0.2 Service Pack New Installation* instructions to install the standalone Patient Management client.

2. Run the AcuoMed install script: *AcuoMed 6.0.2 Hotfix-2.exe.*

   Note If installing on a 32 bit Windows 7 system, run the following script (instead of the one above): *AcuoMed 6.0.2 Hotfix-2 32bit.exe.*

Upgrade procedure

If you are upgrading the standalone Patient Management client from an earlier hotfix, complete the following steps.

1. Close all Microsoft Management Consoles.

   - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

   - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

2. Run the AcuoMed install script: *AcuoMed 6.0.2 Hotfix-2.exe.*

   Note If installing on a 32 bit Windows 7 system, run the following script (instead of the one above): *AcuoMed 6.0.2 Hotfix-2 32bit.exe.*

Acuo Release 6.0.2 Hotfix 1

The following products were updated in the 6.0.2 Hotfix 1 release.

- AcuoStore Digital Asset Manager™

- AcuoMed Image Manager™

- AcuoSemantix™

- AcuoHA™

- AcuoWorkflow Services™

- AcuoStore Web Services™ (New Base Release)

New Install Procedure

To install Acuo 6.0.2 Hotfix 1, complete the following procedures.

Run the Base 6.0.2 Service Pack Installers

Follow the Acuo Release 6.0.2 instructions and run the base Service Pack installers for AcuoMed and AcuoStore (and other products if applicable).

Note AcuoStore Web Services is a new base installer released in conjunction with 6.0.2 HF1. Run through this base installer similar to others, and also reference the *AcuoStore Web Services Product Guide.*

Run Hotfix Installers

Run the applicable hotfix installers below (see the 6.0.2 Product and Version Summary above).

Install AcuoStore

1. Run the AcuoStore 6.0.2 HF1 install script (right-click and select Run as administrator).

2. Click **Accept** to continue.

3. Click **Cancel** when prompted to install database updates.

   Note This step assumes that databases are not yet installed.

4. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

5. In the message box, verify the version information is correct and click **OK**.

Install AcuoMed

1. Run the AcuoMed 6.0.2 HF1 install script (right-click and select **Run as administrator**).

2. Run the AcuoMed 6.0.2 HF1 install script (right-click and select **Run as administrator**).

3. Click **Cancel** when prompted to install database updates.

   Note This step assumes that databases are not yet installed.

4. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** should change the startup type back to **Automatic** but it will not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed;

however, the startup should always be changed back to **Automatic** under normal operation.

5. In the message box, verify the version information is correct and click **OK**.

6. Click **Yes** in the window that indicates the services were disabled when the update was installed.

    Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

Install Additional Hotfixes (Optional)

Install additional hotfixes similar to the steps above. If the base installer already installed databases, run the database upgrade as necessary.

- AcuoSemantix 6.0.2 HF1
- AcuoHA 6.0.2 HF1
- AcuoWorkflow 6.0.2 HF1

Install databases

Install the AcuoStore, AcuoMed, and DICOM databases and configure the system.

Upgrade Procedure

To upgrade to version 6.0.2 Hotfix 1, complete the following steps.

1. To install AcuoMed/AcuoStore on Windows Server 2008 and Windows Server 2012, first disable User Account Control (UAC). To disable UAC, complete the following substeps.

    a. From the **Start** menu, in the **Search** field, type `msconfig` and then press ENTER.

    b. In the **System Configuration Tool** dialog box, select the **Tools** tab.

    c. Select **Change UAC Settings** and then click **Launch**. A command window appears and a notification displays stating that the UAC is disabled.

    d. Restart your computer to apply the change.

2. Verify the base 6.0.2 version is installed for the products you are upgrading.

3. Stop and disable all Acuo services.

4. Close all Microsoft Management Consoles.

    - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

    - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

5. Close all open Activity Log sessions.

6. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections that are connected to the server being upgraded.

    Note Alternatively, you can stop and restart SQL Server.

7. Backup all databases.

8. Backup a copy of all Acuo Technologies Program Files and Program Files (x86) directories.

Run Hotfix Installers

Complete the following steps for each product you want to install.

1. Run the install script for the product you want to install (right-click and select Run as administrator).

    Example The AcuoStore install script is *AcuoStore 6.0.2 Hotfix-1.exe*.

2. In the message box, verify the name of the installer and click **Accept** to continue.

    Important Any customization made to the Standard Acuo database schemas will be overwritten while running the database upgrade script in the following step. Back up all pertinent databases and copy them off the system prior to continuing the upgrade.

3. In the **Update Storage Server** dialog box, under **Connection type**, select **Windows user authentication using your credentials** or enter the SQL Server login and password to run the database upgrade.

    Important Only qualified support personnel should perform a selective database upgrade. These upgrades have potential to corrupt the installed databases if not performed correctly.

4. Verify no errors are present when the upgrade script runs.

5. Click **Exit**.

6. Click **Yes** in the window that indicates the services were disabled when the update was installed.

    Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

7. In the message box, verify the version information is correct and click **OK**.

Verify files exist

Verify new files exist for each product installed.

Start services

1. Start the following Acuo services in the order they appear below.

    a. AcuoStore

    b. AcuoMed

    c. AcuoAudit

    d. Acuo Tier Manager (if applicable)

    e. AcuoSemantix (if applicable)

    f. AcuoHA Publisher/Subscriber (if applicable)

    g. AcuoWADO (if applicable)

    h. AcuoWorkflow Services (if applicable)

    i. Acuo Patient Management REST Service (if applicable)

    j. AcuoStore Web Services (if applicable)

> k. XDS Registry (if applicable)
>
> l. XDS Repository (if applicable)
>
> m. XDS Accelerator (if applicable)
>
> n. XDS Information (if applicable)

2. Verify the startup type is set to **Automatic**.

Back up databases

After the upgrade is complete, back up all pertinent databases and copy them off the system.

Uninstall procedure

The general steps to uninstall a hotfix are the following:

- Run an uninstall script (this will revert files back to their original, pre-hotfix state).

- Restore databases (hotfix installers may contain database updates, therefore it is necessary to restore databases back to their original state).

Important Contact Perceptive Software Support prior to starting this procedure.

Complete the following steps to uninstall the hotfix.

1. Close all Microsoft Management Consoles.

   - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

   - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

2. Close all open Activity Log sessions.

3. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections, which are connected to the server being upgraded.

   Note Alternatively, you can stop and restart SQL Server.

4. For each product you want to uninstall, in the **C:\Program Files (x86)\Acuo Technologies\<*product*>\ <*hotfix installer*>** folder, run the **UninstallUpdate.vbs** script.

   Example C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.2.214_H1_P0

5. Optional. If you received errors after running the uninstall script, in the **C:\Program Files (x86)\Acuo Technologies\<*product*>\ <*hotfix installer*>** folder, check the **LOG-UninstallUpdate_VBScript.txt** file (a log file created by the uninstaller) for more information about the error.

6. Verify the script successfully replaced the new hotfix files with the old (pre-hotfix) files.

   Example If you uninstalled an AcuoMed hotfix, the **Date Modified** field for *AcuoMed.exe* should reflect the date the file was last updated prior to installing the hotfix.

7. Optional. If you need to install the hotfix again, delete the original hotfix folder that was created from the previous installs.

   Example If you are reinstalling AcuoMed 6.0.2 HF1, delete the original hotfix folder:
   C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.2.214_H1_P0

8. After the uninstall process is complete, restore databases and transaction logs to the point prior to the hotfix upgrade.

Patient Management Standalone Install Procedure

Complete the following steps to run the Patient Management standalone installer for 6.0.2 HF1.

New install procedure

1. Follow the *6.0.2 Service Pack New Installation* instructions to install the standalone Patient Management client.

2. Run the AcuoMed install script: *AcuoMed 6.0.2 Hotfix-1.exe.*

Upgrade procedure

If you are upgrading the standalone Patient Management client from an earlier hotfix, complete the following steps.

1. Close all Acuo Microsoft Management Consoles before upgrading your system.

   - **Windows 2012**: In the **Windows Task Manager**, on the **Processes** tab, verify the Microsoft Management Console (32-bit) process is not running.

   - **Windows 2008**: In the **Windows Task Manager**, on the **Processes** tab, verify the mmc.exe*32* process is not running.

2. Run the AcuoMed install script: *AcuoMed 6.0.2 Hotfix-1.exe.*

Acuo Release 6.0.2

Supported Operating System and SQL Server Versions (6.0.2)

Below is a list of supported OS/SQL combinations for this release.

Operating System	SQL Server
Windows Server 2012 R2	- SQL Server 2014 SP2 - SQL Server 2012 SP3 - No SQL (Patient Management standalone installations)
Windows Server 2012	- SQL Server 2012 SP3 - No SQL (Patient Management standalone installations)
Windows Server 2008 R2 (x64)	- SQL Server 2012 SP3 - SQL Server 2008 R2 SP3 and SQL Server 2008 SP4 - No SQL (Patient Management standalone installations)
Windows Server 2008 SP2 (x64) non R2 version	- SQL Server 2008 R2 SP3 and SQL Server 2008 SP4 - No SQL (Patient Management standalone installations)

Operating System	SQL Server
Windows Server 2008 SP2 (x86) non R2 version	• SQL Server 2008 R2 SP3 and SQL Server 2008 SP4 • No SQL (Patient Management standalone installations)
Windows 8.1*	• SQL Server 2012 SP3 – Express • No SQL (Patient Management standalone installations)
Windows 7*	• SQL Server 2008 R2 SP2 - Express • No SQL (Patient Management standalone installations)
* Support for Windows 7 and Windows 8.1 is limited to Patient Management Standalone installations and small volume temporals. Note: The SQL Server feature AlwaysOn Availability Groups is not supported.	

Supported Upgrade Paths (6.0.2)

If performing an upgrade from a previous version, use the table below and verify the current Acuo version installed supports the upgrade.

Existing Version Number	New Version Number
6.0.0 (any Hotfix or Patch Level)	6.0.2
6.0.1 (any Hotfix or Patch Level)	

New Install Procedure - Complete Install (6.0.2)

Notes on a full server installation.

- For AcuoStore and AcuoMed, after installing the software, databases are installed and configured using the MMC. Database locations are specified during creation, which can be any drive or storage device accessible by the SQL Server instance hosting the database.

- After installing AcuoStore, you create and configure image share folders. The location can be any drive or storage device accessible by the server hosting AcuoStore.

- Other Acuo products automatically create databases during installation. You specify the location of the database files when installing the product. The location can be any drive or storage device accessible by the SQL Server instance hosting the database.

- If you are installing to a non-system drive (a drive other than the C:\ drive), note the following items.

    o The Acuo Host Server Setup installer is the only installer that allows you to change the installation folder to a non-system drive. It installs components required by 32-bit installers and 64-bit installers. The 64-bit components are installed into the non-system drive location. The 32-bit components are always installed in the C:\Program Files (x86) folder.

    o The product installers do not allow you to change the installation folder. Since Acuo Host Server Setup installer installs shared files that are needed for other Acuo products, subsequent product installers must install to the same directory.

- The installation steps require you to run a separate Prerequisite and Acuo Host Server Setup installer. Refer to the **Appendix A: Installation Components 6.0.x** for more information about the types of components installed on your system during the installation process.

- If you specify domain users during installation, when specifying the account to use for Acuo services, you may need to run the Computer Browser service. The alternative is to specify the local AcuoServiceUser in the installers and then change the user in the Services node after the installers are complete.

Preliminary Install Steps

Verify that the latest supported Service Pack for SQL Server is installed. Reference the section above "Supported Operating System and SQL Server Versions (6.0.2)".

Note To find the SQL Server Service Pack version, run the following query inside SQL Server Management Studio: *select @@version*

1. To install AcuoMed/AcuoStore on Windows Server 2008 and Windows Server 2012, disable User Account Control (UAC).

    a. From the **Start** menu, in the **Search** field, type **msconfig** and then press ENTER.

    b. In the **System Configuration Tool** dialog box, select the **Tools** tab.

    c. Select **Change UAC Settings** and then click **Launch**. A command window appears and a notification displays stating that the UAC is disabled.

    d. Restart your computer to apply the change.

2. Optional. If installing AcuoHA or AcuoXDS, you must configure the Microsoft Distributed Transaction Coordinator (MSDTC) service. Choose one of following procedures: *Configure Windows Server 2008/2008 R2* or *Configure Windows Server 2012/2012 R2*.

Configure Windows Server 2008/2008 R2

To configure Windows Server 2008/2008 R2, complete the following steps on the system where Acuo software is to be installed.

1. In the control panel, click Administrative Tools > Component Services > Computers > My Computer > Distributed Transaction Coordinator.

2. Right-click **Local DTC** and select **Properties**.

3. On the **Security** tab, complete the following substeps.

    a. Under **Security Settings**, select **Network DTC Access**.

    b. Under **Transaction Manager Communication**, select **Allow Inbound** and **Allow Outbound**.

4. Click **OK**.

5. Click **Yes** to restart the MSDTC service.

Configure Windows Server 2012/2012 R2

To configure Windows Server 2012/2012 R2, complete the following steps on the system where Acuo software is to be installed.

1. In the **Server Manager**, click **Tools Menu > Component Services** > **Computers** > **My Computer** > **Distributed Transaction Coordinator**.

2. Right-click **Local DTC** and select **Properties**.

3. On the **Security** tab, complete the following substeps.

    a. Under **Security Settings**, select **Network DTC Access**.

    b. Under **Transaction Manager Communication**, select **Allow Inbound** and **Allow Outbound**.

4. Click **OK**.

5. Click **Yes** to restart the MSDTC service.

Install Prerequisite and Host Setup installer

Complete the following steps on any system where Acuo software is to be installed. For more information about Acuo Host Server Setup, see **Appendix A: Installation Components 6.0.x**.

1. To install the prerequisites, in the **\System Prereqs 6.0.2.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. To run the Acuo Host Server Setup installer for 64-bit systems, in the **\Host Setup 6.0.2.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

3. To run the Acuo Host Server Setup installer for 32-bit systems, complete the following substeps.

   a. In the **\Host Setup 6.0.2.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

   b. In the **\Host Setup x32 6.0.2.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

Install AcuoStore

- To install AcuoStore, in the \AcuoStore 6.0.2.XX\DiskImages\DISK1 folder, right-click Setup.exe and select Run As Administrator.

Install AcuoMed

- To install AcuoMed, in the \AcuoMed 6.0.2.XX\DiskImages\DISK1 folder, right-click Setup.exe and select Run As Administrator.

Install AcuoHA (optional)

1. In the **\AcuoHA 6.0.2.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

   Important Install AcuoHA after installing AcuoMed and AcuoStore.

2. Ensure an archive device has been configured in AcuoStore (on both the Publisher and Subscriber servers) before proceeding below.

3. In the **AcuoStore Digital Asset Manager Properties** dialog box, enter the AcuoHA SQL instance name and AcuoHA database name (right-click the Digital Asset Manager Server node, select Properties).

4. On the Publisher Server, perform the following steps:

   a. In AcuoStore, set the AcuoHA type to Publisher for all necessary Applications. Right click and set to Publisher.

   b. Add the AcuoHA Manager snap-in to the MMC.

   c. Add a new Publisher. Right-click on newly added Acuo HA Manager snap-in and select Add New Publisher option.

      i. Enter Database Connection String (copy the example, change the server name, change the database name if needed)

- Example: server=PG46;integrated security=SSPI;database=AcuoHighAvailability)
  - ii. Click Test button to check the database connectivity.
  - iii. Click OK and verify that a Publisher sub node has been added under Acuo HA Manager.
- d. Click the Publisher node inside the AcuoHA Manager snap-in.
  - i. When selecting the **Publisher** node in the **Microsoft Management Console**, click **No** when prompted to load the configuration.
  - ii. In the Metadata Replication Subscribers section, click **Add** (the Subscriber connection information).
  - iii. In the **Subscriber URL** field, update the default *<localhost>* to the server name where the subscriber service is running.

    Example http://*<localhost>*:9100/AHASubscriberHandler/
  - iv. Optional. In the Applications field, add a list of Application Names (or leave blank to publish to all Applications).

5. On the Subscriber Server, perform the following steps:
   a. In AcuoStore, set the AcuoHA type to Subscriber for all necessary Applications. Right-click and set to Subscriber.
   b. Add the AcuoHA Manager snap-in to the MMC.
   c. Add a new Subscriber. Right click on newly added Acuo HA Manager and select Add New Subscriber option.
      - i. Enter Database Connection String (copy the example, change the server name, change the database name if needed)
        - o Example: server=PG46;integrated security=SSPI;database=AcuoHighAvailability)
      - ii. Click Test button to check the database connectivity.
      - iii. Click OK and verify that a Subscriber sub node has been added under Acuo HA Manager.
   f. Click the Subscriber node inside the AcuoHA Manager snap-in.
      - i. When selecting the **Subscriber** node in the **Microsoft Management Console**, click **No** when prompted to load the configuration.
      - ii. Optional. In the **Listening URL** field, update the default *<localhost>* to the server name where the subscriber service is running.
        1. **Example** http://*localhost*:9100/AHASubscriberHandler/
      - iii. In the Database Connection String for AcuoMed, change the server name and database name if needed.
      - iv. In the Database Connection String for AcuoStore, change the server name and database name if needed.
      - v. Click the Save button (or select Yes to save changes when prompted).

6. To ensure AcuoHA Service starts successfully, on the Subscriber Server, configure namespace reservations (run the following inside a command line).
   - netsh http add urlacl url=http://+:9100/AHASubscriberHandler user=*DOMAIN\user*
   - netsh http add urlacl url=http://+:9100/mex user=*DOMAIN\user*

Refer to the *Acuo High Availability Installation and Configuration Guide* for more information about requirements, installation, and configuration.

Install AcuoSemantix (optional)

- To install AcuoSemantix, in the **\AcuoSemantix 6.0.2.XX\DiskImages\DISK1** folder, click **Setup.exe** and select **Run As Administrator**.

Important Install AcuoSemantix after installing AcuoMed and AcuoStore.

Refer to the *AcuoSemantix Installation and Operations Guide* for more information about installation and configuration.

Install AcuoWADO (optional)

- To install AcuoWADO, in the **\WADO 6.0.2.XX\DiskImages\DISK1** folder, click **Setup.exe** and select **Run As Administrator**.

Refer to the *AcuoWADO Product Guide* for more information about installation and configuration.

Install AcuoXDS Accelerator, AcuoXDS Registry, and AcuoXDS Repository (optional)

- To install AcuoXDS Accelerator, AcuoXDS Registry, and AcuoXDS Repository in each of the following folders, click **Setup.exe** and select **Run As Administrator**.

  - **\XDS Accelerator 6.0.2.XX\DiskImages\DISK1**

  - **\XDS Registry 6.0.2.XX\DiskImages\DISK1**

  - **\XDS Repository 6.0.2.XX\DiskImages\DISK1**

Refer to the *AcuoXDS Installation and Operations Guide* for more information about installation and configuration.

Install Acuo Workflow Services (optional)

To install Acuo Workflow Services, in the **\Workflow 6.0.2.XX\DiskImages\DISK1** folder, click **Setup.exe** and select **Run As Administrator**.

Refer to the *Acuo Workflow Services Operations Guide* for more information about installation and configuration.

Post-Install Configuration

Install and configure AcuoStore and AcuoMed as needed (install databases and configure the system).

Start services

- Start Acuo services, beginning with AcuoStore, followed by AcuoMed, and then all other services.

Note Unless an archive device is connected, the Acuo Tier Manager service should remain disabled.

New Install Procedure - Patient Management Standalone (6.0.2)

Complete the following steps to run the Patient Management standalone installer. Refer to the **Appendix A: Installation Components 6.0.x** for more information about Acuo Host Server Setup installer.

1. To install the prerequisites, in the **\System Prereqs 6.0.2.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. Run the Host Setup Installer.

   - To run the Acuo Host Server Setup installer for 64-bit systems, in the **\Host Setup 6.0.2.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

   - To run the Acuo Host Server Setup installer for 32-bit systems, in the **\Host Setup x32 6.0.2.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

3. To run the AcuoMed install script, complete the following substeps.

   e. In the **\AcuoMed 6.0.2.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

   f. In the **Setup Type** dialog box, select **Patient Management Only Installation**.

Upgrade Install Procedure - Complete Install (6.0.2)

Use this procedure when upgrading to 6.0.2. You must know the SQL login and password to complete the upgrade procedure.

Verify Supported Upgrade Path

Reference the Supported Upgrade Paths (6.0.2) section above to verify the current Acuo version installed supports the upgrade.

Verify that the latest supported Service Pack for SQL Server is installed. Reference the section above "Supported Operating System and SQL Server Versions (6.0.2)".

> **Note** To find the SQL Server Service Pack version, run the following query inside SQL Server Management Studio: *select @@version*

Important Always back up all pertinent databases and copy them off the system. This should be done prior to installing and upgrading Acuo software and after installing and upgrading Acuo software.

If you specify domain users during installation, when specifying the account to use for Acuo services, you may need to run the Computer Browser service. The alternative is to specify the local AcuoServiceUser in the installers, then change the user in the Services node after the installers are complete.

Note The message box that prompted you to re-enable services was removed in the 6.0.1 release.

1. To install AcuoMed/AcuoStore on Windows Server 2008 and Windows 2012, first disable User Account Control (UAC).

   a. From the Start menu, in the Search field, type msconfig and then press ENTER.

   b. In the System Configuration Tool dialog box, select the Tools tab.

   c. Select Change UAC Settings and then click Launch. A command window appears and a notification displays stating that the UAC is disabled.

       d.   Restart your computer to apply the change.

2. Stop and disable all Acuo services (all Acuo Services should be prefaced with "Acuo").

3. Close all Microsoft Management Consoles.

- Windows 2012: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

- Windows 2008: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

- **Note** Optionally, you can stop and restart SQL Server to ensure these connections are dropped.

4. Close all open Activity Log sessions.

5. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections, which are connected to the server you are upgrading.

   Note Optionally, you can stop and restart SQL Server to ensure these connections are dropped.

6. Complete the following backup procedures.

       a.   Perform a full backup of all Acuo databases.

       b.   Backup a copy of all Acuo Technologies folders (and Common Files directories) as follows.

          i.   \Program Files\Acuo Technologies

          ii.   C:\Program Files\Common Files\Acuo Technologies

          iii.   \Program Files (x86)\Acuo Technologies

          iv.   C:\Program Files (x86)\Common Files\Acuo Technologies

Note If upgrading from 6.0.1 and using Global Tag Mapper, the command file is not restored upon upgrade. The Global Tag Mapper command file from the above backup will need to be restored after upgrading to 6.0.2.

Note If upgrading from 6.0.0, the AcuoHA configuration files for Publishers and Subscribers will be needed after re-ininstalling the new version (AHAPublisherSrv.exe.config; AHASubscriberSrv.exe.config). Ensure all folders/files are backed up as noted here.

       c.   Backup/Export a copy of the following registry locations.

- HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Acuo Technologies

- HKEY_LOCAL_MACHINE\SOFTWARE\Acuo Technologies\

7. Reboot the server.

8. In the **Control Panel**, uninstall the following products in the order they are listed.

- Acuo Workflow Services (if applicable)

- AcuoSemantix (if applicable)

- AcuoHA (if applicable)

- AcuoWADO (if applicable)

- AcuoXDS Accelerator (if applicable)

- AcuoXDS Registry (if applicable)

- AcuoXDS Repository (if applicable)

- AcuoMed

  Note If applicable, in the InstallShield Wizard dialog box, select **Yes** to save the current configuration.

- AcuoStore

  Note If applicable, in the InstallShield Wizard dialog box, select **Yes** to save the current configuration.

- Acuo Host Server Setup (all versions)

9. If necessary, upgrade the Windows Operating System.

   Note Verify a stable functional environment with run time before upgrading the Windows Operating System.

10. If necessary, upgrade SQL Server.

Install Prerequisite and Host Setup installer

Complete the following steps on any system where Acuo software is installed. Refer to the **Appendix A: Installation Components 6.0.x** for more information about Host Server setup.

1. To install the prerequisites, in the **\System Prereqs 6.0.2.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. To run the Acuo Host Server Setup installer for 64-bit systems, in the **\Host Setup 6.0.2.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

3. To run the Acuo Host Server Setup installer for 32-bit systems, complete the following steps.

   a. In the **\Host Setup 6.0.2.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

   b. In the **\Host Setup x32 6.0.2.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

Install AcuoStore

1. To install AcuoStore, in the **\AcuoStore 6.0.2.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator.**

2. After the installer completes, run the database upgrade.

3. Optional. To manually re-run the AcuoStore DB Upgrade, in the **C:\Program Files (x86)\Acuo Technologies\AcuoStore** folder, run the **UpdateAcuoStore.exe** file.

Install AcuoMed

1. To install AcuoMed, in the **\AcuoMed 6.0.2.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. After the installer completes, run the database upgrade.

3. Optional. To manually re-run the AcuoMed DB Upgrade, in the **C:\Program Files (x86)\Acuo Technologies\AcuoStore** folder, run the **UpdateAcuoMed.exe** file.

Install AcuoHA (optional)

1. In the **\AcuoHA 6.0.2.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. In the **AcuoStore Digital Asset Manager Properties** dialog box, verify the AcuoHA SQL instance name and AcuoHA database name (right-click the Digital Asset Manager Server node, select Properties).

3. Add the AcuoHA Manager snap-in to the MMC.

4. On the Publisher Server, perform the following steps:

    a. Add a new Publisher. Right click on newly added Acuo HA Manager snap-in and select Add New Publisher option.

       i. Enter Database Connection String (copy the example, change the server name, change the database name if needed)

          o Example: server=PG46;integrated security=SSPI;database=AcuoHighAvailability)

       ii. Click Test button to check the database connectivity.

       iii. Click OK and verify that a Publisher sub node has been added under Acuo HA Manager.

    b. Click the Publisher node inside the AcuoHA Manager snap-in.

       iii. If upgrading from 6.0.0 to 6.0.2:

          a) Click **Yes** when prompted to load the configuration (or click the Load exe.config button). Select the previously backed up Publisher configuration file (AHAPublisherSrv.exe.config).

          b) Click **Save**.

       iv. If upgrading from 6.0.1 to 6.0.2, the configuration should be in place upon upgrade (it should not need to be reloaded from the backed up file).

5. On the Subscriber Server, perform the following steps:

    c. Add a new Subscriber. Right click on newly added Acuo HA Manager and select Add New Subscriber option.

       i. Enter Database Connection String (copy the example, change the server name, change the database name if needed)

          a) Example: server=PG46;integrated security=SSPI;database=AcuoHighAvailability)

       ii. Click Test button to check the database connectivity.

       iii. Click OK and verify that a Subscriber sub node has been added under Acuo HA Manager.

    d. Click the Subscriber node inside the AcuoHA Manager snap-in.

       ii. If upgrading from 6.0.0 to 6.0.2:

          a) Click **Yes** when prompted to load the configuration (or click the Load exe.config button). Select the previously backed up Subscriber configuration file (AHASubscriberSrv.exe.config).

          b) Click Save.

       iii. If upgrading from 6.0.1 to 6.0.2, the configuration should be in place upon upgrade (it should not need to be reloaded from the backed up file).

Install AcuoSemantix (optional)

1. To install AcuoSemantix, in the **\AcuoSemantix 6.0.2.XX\DiskImages\DISK1** folder, click **Setup.exe** and select **Run As Administrator**.

2. After upgrading AcuoSemantix, replace **the RisTableMap.xml** file with the previous version located in the **C:\Program Files (x86)\Acuo Technologies\AcuoSemantix** folder.

   Refer to the *AcuoSemantix Installation and Operations Guide* for more information about installation and configuration.

Install AcuoWADO (optional)

To install AcuoWADO, in the **\WADO 6.0.2.XX\DiskImages\DISK1** folder, click **Setup.exe** and select **Run As Administrator**.

Refer to the *AcuoWADO Installation and Operations Guide* for more information about installation and configuration.

Install AcuoXDS Accelerator, AcuoXDS Registry, and AcuoXDS Repository (optional)

To install AcuoXDS Accelerator, AcuoXDS Registry, and AcuoXDS Repository, in each of the following folders, click **Setup.exe** and select **Run As Administrator**.

- **\XDS Accelerator 6.0.2.XX\DiskImages\DISK1**

- **\XDS Registry 6.0.2.XX\DiskImages\DISK1**

- **\XDS Repository 6.0.2.XX\DiskImages\DISK1**

Refer to the *AcuoXDS Installation and Operations Guide* for more information about installation and configuration.

Install Acuo Workflow Services (optional)

To install Acuo Workflow Services, in the **\Workflow 6.0.2.XX\DiskImages\DISK1** folder, click **Setup.exe** and select **Run As Administrator**.

Refer to the *Acuo Workflow Services Operations Guide* for more information about installation and configuration.

Start services

Start Acuo services, beginning with AcuoStore, followed by AcuoMed, and then all other services.

Notes

Unless an archive device is connected, the Acuo Tier Manager service should remain disabled.

To start Acuo services, you may first need to reset the domain account password within each of the installed services when running the Acuo services as a domain account. To reset the password, complete the following steps.

1. In the **Services** dialog box, right-click the service and select **Properties**.

2. On the **Log On** tab, select **This account**.

3. In the **Password** field, enter the password for the domain account, and re-enter the password in the **Confirm Password field**.

4. Click **OK**.

5. In the **Services** dialog box, start the service.

Upgrade Install Procedure - Patient Management Standalone (6.0.2)

Complete the following steps to upgrade an existing Patient Management Standalone installation.

1. In the **Control Panel**, uninstall the following products.

    *   AcuoMed

        Note If applicable, **c**lick **Yes** to save the current configuration.

    *   Acuo Host Server Setup (all versions)

2. Close all Microsoft Management Consoles.

3. If necessary, upgrade the Windows Operating System.

    Note Verify a stable functional environment with run time before upgrading the Windows Operating System.

4. To install the prerequisites, in the **\System Prereqs 6.0.2.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**. Refer to the **Appendix A: Installation Components 6.0.x** for more information about Host Server setup.

5. To run the Acuo Host Server Setup installer for 64-bit systems, in the **\Host Setup 6.0.2.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

6. To run the Acuo Host Server Setup installer for 32-bit systems, in the **\Host Setup x32 6.0.2.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

7. To run the AcuoMed install script, complete the following steps.

    a. In the **\AcuoMed 6.0.2.XX\DiskImages\DISK1** folder, right-**click Setup.exe** and select **Run As Administrator**.

    b. In the **Setup Type** dialog box, select **Patient Management Only Installation**.

Acuo Release 6.0.1 Hotfix 5

The following products were updated in 6.0.1 Hotfix 5.

*   AcuoStore Digital Asset Manager™
*   AcuoMed Image Manager™
*   AcuoSemantix™
*   AcuoHA™
*   AcuoWorkflow Services™
*   AcuoWADO™

6.0.1 Product and Version Summary

The following table is a summary of all products and the latest released 6.0.1 version (up to 6.0.1 HF5).

Name	Latest Release	Location	Updated Files - Date Modified
AcuoStore	6.0.1.208 HF5	C:\Program Files (x86)\Acuo Technologies\AcuoStore	12-1-2015
AcuoMed	6.0.1.208 HF5	C:\Program Files (x86)\Acuo Technologies\AcuoMed	12-1-2015
Common Files (no separate installer)	Not applicable	C:\Program Files (x86)\Acuo Technologies\Common	12-1-2015
AcuoSemantix	6.0.1.208 HF5	C:\Program Files (x86)\Acuo Technologies\AcuoSemantix	12-1-2015
AcuoHA	6.0.1.208 HF5	C:\Program Files (x86)\Acuo Technologies\AcuoHA	12-1-2015
AcuoWorkflow Services	6.0.1.208 HF5	C:\Program Files (x86)\Acuo Technologies\Workflow Services	12-1-2015
AcuoWADO	6.0.1.208 HF5	C:\Program Files (x86)\Acuo Technologies\AcuoWADO	12-1-2015
XDS Installers Note: There are no hotfix installers for XDS, only updated full Service Pack level installers.			
XDS Registry	6.0.1.157	C:\Program Files (x86)\Acuo Technologies\XDSRegistry	10-03-2014
XDS Repository	6.0.1.165	C:\Program Files (x86)\Acuo Technologies\XDSRepository	12-03-2014
XDS Accelerator	6.0.1.165	C:\Program Files (x86)\Acuo Technologies\XDSAccelerator	12-03-2014

New Install Procedure

To install Acuo 6.0.1 Hotfix 5, complete the following procedures.

Run the Base 6.0.1 Service Pack Installers

Follow the Acuo Release 6.0.1 instructions and run the base Service Pack installers for AcuoMed and AcuoStore (and other products, if applicable).

Run Hotfix Installers

After running the base Service Pack installers, run the applicable hotfix installers for each product (refer to the 6.0.1 Product and Version Summary above).

Install AcuoStore

1. Run the AcuoStore 6.0.1 HF5 install script (right-click and select **Run as administrator**).

2. Click **Accept** to continue.

3. Click **Cancel** when prompted to install database updates.

   Note This step assumes that databases are not yet installed.

4. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

5. In the message box, verify the version information is correct and click **OK**.

Install AcuoMed

1. Run the AcuoMed 6.0.1 HF5 install script (right-click and select **Run as administrator**).

2. Click **Cancel** when prompted to install database updates.

   Note This step assumes that databases are not yet installed.

3. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** should change the startup type back to **Automatic** but it will not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

4. In the message box, verify the version information is correct and click **OK**.

5. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

Install Additional Hotfixes (Optional)

Install additional hotfixes similar to the steps above. If the base installer already installed databases, run the database upgrade as necessary.

- AcuoSemantix 6.0.1 HF5
- AcuoHA 6.0.1 HF5
- AcuoWorkflow 6.0.1 HF5
- AcuoWADO 6.0.1 HF5

Install databases

Install the AcuoStore, AcuoMed, and DICOM databases and configure the system.

Upgrade Procedure

To upgrade to version 6.0.1 Hotfix 5 (from a previous 6.0.1 version), complete the following steps.

1. To install AcuoMed/AcuoStore on Windows Server 2008 and Windows Server 2012, first disable User Account Control (UAC). To disable UAC, complete the following substeps.

    a. From the **Start** menu, in the **Search** field, type `msconfig` and then press ENTER.

    b. In the **System Configuration Tool** dialog box, select the **Tools** tab.

    c. Select **Change UAC Settings** and then click **Launch**. A command window appears and a notification displays stating that the UAC is disabled.

    d. Restart your computer to apply the change.

2. Verify the base 6.0.1 version is installed for the products you are upgrading.

3. Stop and disable all Acuo services.

4. Close all Microsoft Management Consoles.

    -   **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

    -   **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

5. Close all open Activity Log sessions.

6. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections that are connected to the server being upgraded.

    Note Alternatively, you can stop and restart SQL Server.

7. Backup all databases.

8. Backup a copy of all Acuo Technologies Program Files and Program Files (x86) directories.

Run Hotfix Installers

Complete the following steps for each product you want to install.

1. Run the install script for the product you want to install (right-click and select **Run as administrator**).

    Example The AcuoStore install script is *AcuoStore 6.0.1 Hotfix-5.exe*.

2. In the message box, verify the name of the installer and click **Accept** to continue.

    Important Any customization made to the Standard Acuo database schemas will be overwritten while running the database upgrade script in the following step. Back up all pertinent databases and copy them off the system prior to continuing the upgrade.

3. In the **Update Storage Server** dialog box, under **Connection type**, select **Windows user authentication using your credentials** or enter the SQL Server login and password to run the database upgrade.

    Important Only qualified support personnel should perform a selective database upgrade. These upgrades have potential to corrupt the installed databases if not performed correctly.

4. Verify no errors are present when the upgrade script runs.

5. Click **Exit**.

6. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

7. In the message box, verify the version information is correct and click **OK**.

Verify files exist

Verify new files exist for each product installed.

Start services

1. Start the following Acuo services in the order they appear below.

   a. AcuoStore

   b. AcuoMed

   c. AcuoAudit

   d. Acuo Tier Manager (if applicable)

   e. AcuoSemantix (if applicable)

   f. AcuoHA (if applicable)

   g. AcuoWADO (if applicable)

   h. AcuoWorkflow Services (if applicable)

   i. XDS Accelerator (if applicable)

   j. XDS Registry (if applicable)

   k. XDS Repository (if applicable)

   l. XDS Information (if applicable)

   m. AcuoAccess (if applicable)

2. Verify the startup type is set to **Automatic**.

Back up databases

After the upgrade is complete, back up all pertinent databases and copy them off the system.

Uninstall Procedure

The general steps to uninstall a hotfix are the following:

- Run an uninstall script (this will revert files back to their original, pre-hotfix state).

- Restore databases. Hotfix installers may contain database updates, therefore it is necessary to restore databases back to their original state.

Important Contact Perceptive Software Support prior to starting this procedure.

Complete the following steps to uninstall the hotfix.

1. Close all Microsoft Management Consoles.

   - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

   - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

2. Close all open Activity Log sessions.

3. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections, which are connected to the server being upgraded.

   Note Alternatively, you can stop and restart SQL Server.

4. For each product you want to uninstall, in the **C:\Program Files (x86)\Acuo Technologies\<product>\ <hotfix installer>** folder, run the **UninstallUpdate.vbs** script.

   Example C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.1.208_H5_P0

5. Optional. If you received errors after running the uninstall script, in the **C:\Program Files (x86)\Acuo Technologies\<product>\ <hotfix installer>** folder, check the **LOG-UninstallUpdate_VBScript.txt** file (a log file created by the uninstaller) for more information about the error.

6. Verify the script successfully replaced the new hotfix files with the old (pre-hotfix) files.

   Example If you uninstalled an AcuoMed hotfix, the **Date Modified** field for *AcuoMed.exe* should reflect the date the file was last updated prior to installing the hotfix.

7. Optional. If you need to install the hotfix again, delete the original hotfix folder that was created from the previous installs.

   Example If you are reinstalling AcuoMed 6.0.1 HF5, delete the original hotfix folder: **C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.1.208_H5_P0**

8. After the uninstall process is complete, restore databases and transaction logs to the point prior to the hotfix upgrade.

Patient Management Standalone Install Procedure

Complete the following steps to run the Patient Management standalone installer for 6.0.1 HF5.

New install procedure

1. Follow the *6.0.1 Service Pack New Installation* instructions to install the standalone Patient Management client.

2. Run the AcuoMed install script: *AcuoMed 6.0.1 Hotfix-5.exe.*

   a. *Note: For 32 bit systems, run the following script instead of the above: AcuoMed 6.0.1 Hotfix-5 32bit.exe*

Upgrade procedure

If you are upgrading the standalone Patient Management client from an earlier hotfix, complete the following steps.

1. Close all Microsoft Management Consoles.

   - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

   - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

2. Run the AcuoMed install script: *AcuoMed 6.0.1 Hotfix-5.exe.*

   a. *Note: For 32 bit systems, run the following script instead of the above: AcuoMed 6.0.1 Hotfix-5 32bit.exe*

Acuo Release 6.0.1 Hotfix 4

The following products were updated in 6.0.1 Hotfix 4.

- AcuoStore Digital Asset Manager™
- AcuoMed Image Manager™
- AcuoSemantix™
- AcuoHA™
- AcuoWorkflow Services™
- AcuoWADO™

New Install Procedure

To install Acuo 6.0.1 Hotfix 4, complete the following procedures.

Run the Base 6.0.1 Service Pack Installers

Follow the Acuo Release 6.0.1 instructions and run the base Service Pack installers for AcuoMed and AcuoStore (and other products, if applicable).

Run Hotfix Installers

After running the base Service Pack installers, run the applicable hotfix installers for each product (refer to the 6.0.1 Product and Version Summary above).

Install AcuoStore

1. Run the AcuoStore 6.0.1 HF4 install script (right-click and select **Run as administrator**).

2. Click **Accept** to continue.

3. Click **Cancel** when prompted to install database updates.

   Note This step assumes that databases are not yet installed.

4. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

5. In the message box, verify the version information is correct and click **OK**.

Install AcuoMed

1. Run the AcuoMed 6.0.1 HF4 install script (right-click and select **Run as administrator**).

2. Click **Cancel** when prompted to install database updates.

   Note This step assumes that databases are not yet installed.

3. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** should change the startup type back to **Automatic** but it will not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

4. In the message box, verify the version information is correct and click **OK**.

5. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

Install Additional Hotfixes (Optional)

Install additional hotfixes similar to the steps above. If the base installer already installed databases, run the database upgrade as necessary.

- AcuoSemantix 6.0.1 HF4
- AcuoHA 6.0.1 HF4
- AcuoWorkflow 6.0.1 HF4
- AcuoWADO 6.0.1 HF4

Install databases

Install the AcuoStore, AcuoMed, and DICOM databases and configure the system.

Upgrade Procedure

To upgrade to version 6.0.1 Hotfix 4 (from a previous 6.0.1 version), complete the following steps.

1. To install AcuoMed/AcuoStore on Windows Server 2008 and Windows Server 2012, first disable User Account Control (UAC). To disable UAC, complete the following substeps.

   a. From the **Start** menu, in the **Search** field, type `msconfig` and then press ENTER.

   b. In the **System Configuration Tool** dialog box, select the **Tools** tab.

   c. Select **Change UAC Settings** and then click **Launch**. A command window appears and a notification displays stating that the UAC is disabled.

   d. Restart your computer to apply the change.

2. Verify the base 6.0.1 version is installed for the products you are upgrading.

3. Stop and disable all Acuo services.

4. Close all Microsoft Management Consoles.

   - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

   - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

5. Close all open Activity Log sessions.

6. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections that are connected to the server being upgraded.

   Note Alternatively, you can stop and restart SQL Server.

7. Backup all databases.

8. Backup a copy of all Acuo Technologies Program Files and Program Files (x86) directories.

Run Hotfix Installers

Complete the following steps for each product you want to install.

1. Run the install script for the product you want to install (right-click and select **Run as administrator**).

   Example The AcuoStore install script is *AcuoStore 6.0.1 Hotfix-4.exe*.

2. In the message box, verify the name of the installer and click **Accept** to continue.

   Important Any customization made to the Standard Acuo database schemas will be overwritten while running the database upgrade script in the following step. Back up all pertinent databases and copy them off the system prior to continuing the upgrade.

3. In the **Update Storage Server** dialog box, under **Connection type**, select **Windows user authentication using your credentials** or enter the SQL Server login and password to run the database upgrade.

   Important Only qualified support personnel should perform a selective database upgrade. These upgrades have potential to corrupt the installed databases if not performed correctly.

4. Verify no errors are present when the upgrade script runs.

5. Click **Exit**.

6. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

7. In the message box, verify the version information is correct and click **OK**.

Verify files exist

Verify new files exist for each product installed.

Start services

1. Start the following Acuo services in the order they appear below.

    a. AcuoStore

    b. AcuoMed

    c. AcuoAudit

    d. Acuo Tier Manager (if applicable)

    e. AcuoSemantix (if applicable)

    f. AcuoHA (if applicable)

    g. AcuoWADO (if applicable)

    h. AcuoWorkflow Services (if applicable)

    i. XDS Accelerator (if applicable)

    j. XDS Registry (if applicable)

    k. XDS Repository (if applicable)

    l. XDS Information (if applicable)

2. Verify the startup type is set to **Automatic**.

Back up databases

After the upgrade is complete, back up all pertinent databases and copy them off the system.

Uninstall Procedure

The general steps to uninstall a hotfix are the following:

- Run an uninstall script (this will revert files back to their original, pre-hotfix state).

- Restore databases (hotfix installers may contain database updates, therefore it is necessary to restore databases back to their original state).

Important Contact Perceptive Software Support prior to starting this procedure.

Complete the following steps to uninstall the hotfix.

1. Close all Microsoft Management Consoles.

    - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

    - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

2. Close all open Activity Log sessions.

3. If possible, close any known remote Patient Management connections or remote Microsoft

Management Console connections, which are connected to the server being upgraded.

Note Alternatively, you can stop and restart SQL Server.

4. For each product you want to uninstall, in the **C:\Program Files (x86)\Acuo Technologies\<*product*>\ <*hotfix installer*>** folder, run the **UninstallUpdate.vbs** script.

    Example C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.1.179_H4_P0

5. Optional. If you received errors after running the uninstall script, in the **C:\Program Files (x86)\Acuo Technologies\<*product*>\ <*hotfix installer*>** folder, check the **LOG-UninstallUpdate_VBScript.txt** file (a log file created by the uninstaller) for more information about the error.

6. Verify the script successfully replaced the new hotfix files with the old (pre-hotfix) files.

    Example If you uninstalled an AcuoMed hotfix, the **Date Modified** field for *AcuoMed.exe* should reflect the date the file was last updated prior to installing the hotfix.

7. Optional. If you need to install the hotfix again, delete the original hotfix folder that was created from the previous installs.

    Example If you are reinstalling AcuoMed 6.0.1 HF4, delete the original hotfix folder: **C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.1.179_H4_P0**

8. After the uninstall process is complete, restore databases and transaction logs to the point prior to the hotfix upgrade.

Patient Management Standalone Install Procedure

Complete the following steps to run the Patient Management standalone installer for 6.0.1 HF4.

New install procedure

1. Follow the *6.0.1 Service Pack New Installation* instructions to install the standalone Patient Management client.

2. Run the AcuoMed install script: *AcuoMed 6.0.1 Hotfix-4.exe.*

Upgrade procedure

If you are upgrading the standalone Patient Management client from an earlier hotfix, complete the following steps.

1. Close all Microsoft Management Consoles.

    - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

    - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

2. Run the AcuoMed install script: *AcuoMed 6.0.1 Hotfix-4.exe.*

Acuo Release 6.0.1 Hotfix 3

The following products were updated in 6.0.1 Hotfix 3.

- AcuoMed Image Manager™
- AcuoStore Digital Asset Manager™

New Install Procedure

To install Acuo 6.0.1 Hotfix 3, complete the following procedures.

Run the Base 6.0.1 Service Pack Installers

Follow the Acuo Release 6.0.1 instructions and run the base Service Pack installers for AcuoMed and AcuoStore (and other products, if applicable).

Run Hotfix Installers

Run the applicable hotfix installers below.

Install AcuoStore

1. Run the AcuoStore 6.0.1 HF3 install script (right-click and select **Run as administrator**).

2. Click **Accept** to continue.

3. Click **Cancel** when prompted to install database updates.

   Note This step assumes that databases are not yet installed.

4. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

5. In the message box, verify the version information is correct and click **OK**.

Install AcuoMed

1. Run the AcuoMed 6.0.1 HF3 install script (right-click and select **Run as administrator**).

2. Click **Cancel** when prompted to install database updates.

   Note This step assumes that databases are not yet installed.

3. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** should change the startup type back to **Automatic** but it will not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

4. In the message box, verify the version information is correct and click **OK**.

5. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

Install databases

Install the AcuoStore, AcuoMed, and DICOM databases and configure the system.

Upgrade Procedure

To upgrade to version 6.0.1 Hotfix 3, complete the following steps.

1. To install AcuoMed/AcuoStore on Windows Server 2008 and Windows Server 2012, first disable User Account Control (UAC). To disable UAC, complete the following substeps.

   a. From the **Start** menu, in the **Search** field, type `msconfig` and then press ENTER.

   b. In the **System Configuration Tool** dialog box, select the **Tools** tab.

   c. Select **Change UAC Settings** and then click **Launch**. A command window appears and a notification displays stating that the UAC is disabled.

   d. Restart your computer to apply the change.

2. Verify the base 6.0.1 version is installed for the products you are upgrading.

3. Stop and disable all Acuo services.

4. Close all Microsoft Management Consoles.

   - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

   - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

5. Close all open Activity Log sessions.

6. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections that are connected to the server being upgraded.

   Note Alternatively, you can stop and restart SQL Server.

7. Backup all databases.

8. Backup a copy of all Acuo Technologies Program Files and Program Files (x86) directories.

Install AcuoStore and AcuoMed

Complete the following steps for each product you want to install.

1. Run the install script for the product you want to install (right-click and select **Run as administrator**).

   Example The AcuoStore install script is *AcuoStore 6.0.1 Hotfix-3.exe*.

2. In the message box, verify the name of the installer and click **Accept** to continue.

   Important Any customization made to the Standard Acuo database schemas will be overwritten while running the database upgrade script in the following step. Back up all pertinent databases and copy them off the system prior to continuing the upgrade.

3. In the **Update Storage Server** dialog box, under **Connection type**, select **Windows user authentication using your credentials** or enter the SQL Server login and password to run the database upgrade.

> **Important** Only qualified support personnel should perform a selective database upgrade. These upgrades have potential to corrupt the installed databases if not performed correctly.

4. Verify no errors are present when the upgrade script runs.

5. Click **Exit**.

6. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

7. In the message box, verify the version information is correct and click **OK**.

Verify files exist

Verify new files exist for each product installed.

Start services

1. Start the following Acuo services in the order they appear below.

   a. AcuoStore

   b. AcuoMed

   c. AcuoAudit

   d. Acuo Tier Manager (if applicable)

   e. AcuoSemantix (if applicable)

   f. AcuoHA (if applicable)

   g. AcuoWADO (if applicable)

   h. AcuoWorkflow Services (if applicable)

   i. XDS Accelerator (if applicable)

   j. XDS Registry (if applicable)

   k. XDS Repository (if applicable)

   l. XDS Information (if applicable)

2. Verify the startup type is set to **Automatic**.

Back up databases

After the upgrade is complete, back up all pertinent databases and copy them off the system.

Uninstall procedure

The general steps to uninstall a hotfix are the following:

- Run an uninstall script (this will revert files back to their original, pre-hotfix state).

- Restore databases (hotfix installers may contain database updates, therefore it is necessary to restore databases back to their original state).

Important Contact Perceptive Software Support prior to starting this procedure.

Complete the following steps to uninstall the hotfix.

1. Close all Microsoft Management Consoles.

   - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

   - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

2. Close all open Activity Log sessions.

3. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections, which are connected to the server being upgraded.

   Note Alternatively, you can stop and restart SQL Server.

4. For each product you want to uninstall, in the **C:\Program Files (x86)\Acuo Technologies\<product>\ <hotfix installer>** folder, run the **UninstallUpdate.vbs** script.

   Example C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.1.174_H3_P0

5. Optional. If you received errors after running the uninstall script, in the **C:\Program Files (x86)\Acuo Technologies\<product>\ <hotfix installer>** folder, check the **LOG-UninstallUpdate_VBScript.txt** file (a log file created by the uninstaller) for more information about the error.

6. Verify the script successfully replaced the new hotfix files with the old (pre-hotfix) files.

   Example If you uninstalled an AcuoMed hotfix, the **Date Modified** field for *AcuoMed.exe* should reflect the date the file was last updated prior to installing the hotfix.

7. Optional. If you need to install the hotfix again, delete the original hotfix folder that was created from the previous installs.

   Example If you are reinstalling AcuoMed 6.0.1 HF3, delete the original hotfix folder: **C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.1.174_H3_P0**

8. After the uninstall process is complete, restore databases and transaction logs to the point prior to the hotfix upgrade.

Patient Management Standalone Install Procedure

Complete the following steps to run the Patient Management standalone installer for 6.0.1 HF3.

New install procedure

1. Follow the *6.0.1 Service Pack New Installation* instructions to install the standalone Patient Management client.

2. Run the AcuoMed install script: *AcuoMed 6.0.1 Hotfix-3.exe.*

Upgrade procedure

If you are upgrading the standalone Patient Management client from an earlier hotfix, complete the following steps.

1. Close all Microsoft Management Consoles.

   - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

   - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

2. Run the AcuoMed install script: *AcuoMed 6.0.1 Hotfix-3.exe.*

Acuo Release 6.0.1 Hotfix 2

The following products were updated in 6.0.1 Hotfix 2.

- AcuoMed Image Manager™

- AcuoStore Digital Asset Manager™

- AcuoSemantix™

- Acuo XDS Repository™

- Acuo XDS Accelerator™

New install procedure

To install Acuo 6.0.1 Hotfix 2, complete the following procedures.

Run the base 6.0.1 Service Pack installer

Follow the Acuo Release 6.0.1 instructions to install the service packs for AcuoMed and AcuoStore, and if applicable, AcuoSemantix, AcuoHA, Acuo Workflow, and AcuoWADO.

Note To install AcuoXDS Accelerator and AcuoXDS Repository, run the updated, full installer: 6.0.1.165.

Install AcuoStore

1. Run the AcuoStore 6.0.1 HF2 install script.

2. Click **Accept** to continue.

3. Click **Cancel** when prompted to install database updates.

   Note This step assumes that databases are not yet installed.

4. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

5. In the message box, verify the version information is correct and click **OK**.

Install AcuoMed

1. Run the AcuoMed 6.0.1 HF2 install script.

2. Click **Cancel** when prompted to install database updates.

   Note This step assumes that databases are not yet installed.

3. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** should change the startup type back to **Automatic** but it will not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

4. In the message box, verify the version information is correct and click **OK**.

5. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

Install AcuoSemantix (optional)

1. Run the AcuoSemantix 6.0.1 HF2 install script.

2. Click **Accept**.

   Important Any customization made to the Standard Acuo database schemas is overwritten when you run the database upgrade script in the following step. Back up all pertinent databases and copy them off the system prior to continuing the upgrade.

3. To run the database upgrade for AcuoSemantix, in the **SQL Server Login** box, enter the login ID and password information.

   Important Only qualified support personnel should perform a selective database upgrade. These upgrades have potential to corrupt the installed databases if not performed correctly.

Install AcuoXDS Repository (optional)

1. In the **XDS Repository 6.0.1.165\DiskImages\DISK1** folder, click **Setup.exe** and select **Run As Administrator**.

2. Start all Acuo XDS services.

Install AcuoXDS Accelerator (optional)

1. In the **XDS Accelerator 6.0.1.165\DiskImages\DISK1** folder, click **Setup.exe** and select **Run As Administrator**.

2. Start all Acuo XDS services.

Install databases

Install the AcuoStore, AcuoMed, and DICOM databases and configure the system.

Upgrade procedure

To upgrade to version 6.0.1 Hotfix 2, complete the following steps.

1. To install AcuoMed/AcuoStore on Windows Server 2008 and Windows Server 2012, first disable User Account Control (UAC). To disable UAC, complete the following substeps.

    a. From the **Start** menu, in the **Search** field, type `msconfig` and then press ENTER.

    b. In the **System Configuration Tool** dialog box, select the **Tools** tab.

    c. Select **Change UAC Settings** and then click **Launch**. A command window appears and a notification displays stating that the UAC is disabled.

    d. Restart your computer to apply the change.

2. Verify the base 6.0.1 version is installed for the products you are upgrading.

3. Stop and disable all Acuo services.

4. Close all Microsoft Management Consoles.

    - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

    - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

5. Close all open Activity Log sessions.

6. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections that are connected to the server being upgraded.

    Note Alternatively, you can stop and restart SQL Server.

Install AcuoStore, AcuoMed, AcuoSemantix, AcuoXDS Repository, and AcuoXDS Accelerator

Complete the following steps for each product you want to install. Note that AcuoSemantix, AcuoXDS Repository, and AcuoXDS Accelerator are optional.

Note AcuoWADO, AcuoHA, AcuoWorkflow Services, and XDS Registry were not updated with the 6.0.1 HF2 release.

1. Run the install script for the product you want to install.

    Example The AcuoStore install script is *AcuoStore 6.0.1 Hotfix-2.exe*.

2. In the message box, verify the name of the installer and click **Accept** to continue.

    Important Any customization made to the Standard Acuo database schemas will be overwritten while running the database upgrade script in the following step. Back up all pertinent databases and copy them off the system prior to continuing the upgrade.

3. In the **Update Storage Server** dialog box, under **Connection type**, select **Windows user authentication using your credentials** or enter the SQL Server login and password to run the database upgrade.

    Important Only qualified support personnel should perform a selective database upgrade. These upgrades have potential to corrupt the installed databases if not performed correctly.

4. Verify no errors are present when the upgrade script runs.

5. Click **Exit**.

6. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

7. In the message box, verify the version information is correct and click **OK**.

Install AcuoXDS Repository (optional)

To install AcuoXDS Repository, complete the following steps.

1. Stop all Acuo XDS services.

2. In the **XDS Repository 6.0.1.165\DiskImages\DISK1** folder, click **Setup.exe** and select **Run As Administrator**.

3. Start all Acuo XDS services.

Install AcuoXDS Accelerator (optional)

To install AcuoXDS Repository, complete the following steps.

1. Stop all Acuo XDS services.

2. In the **XDS Accelerator 6.0.1.165\DiskImages\DISK1**, right-click **Setup.exe** and select **Run As Administrato**r.

3. Start all Acuo XDS services.

Verify files exist

Verify new files exist for each product installed.

Start services

1. Start the following Acuo services in the order they appear below.

   a. AcuoStore

   b. AcuoMed

   c. AcuoAudit

   d. Acuo Tier Manager (if applicable)

   e. AcuoSemantix (if applicable)

   f. AcuoHA (if applicable)

   g. AcuoWADO (if applicable)

   h. AcuoWorkflow Services (if applicable)

   i. XDS Accelerator (if applicable)

   j. XDS Registry (if applicable)

   k. XDS Repository (if applicable)

I. XDS Information (if applicable)

2. Verify the startup type is set to **Automatic**.

Back up databases

After the upgrade is complete, back up all pertinent databases and copy them off the system.

Uninstall procedure

If you need to uninstall the hotfix, you can run an uninstall script. Complete the following steps to uninstall the hotfix.

Important Contact Perceptive Software Support prior to starting this procedure.

1. Close all Microsoft Management Consoles.

   - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

   - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

2. Close all open Activity Log sessions.

3. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections, which are connected to the server being upgraded.

   Note Alternatively, you can stop and restart SQL Server.

4. For each product you want to uninstall, in the **C:\Program Files (x86)\Acuo Technologies\<product>\ <hotfix installer>** folder, run the **UninstallUpdate.vbs** script.

   Example C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.1.165_H2_P0

5. Optional. If you received errors after running the uninstall script, in the **C:\Program Files (x86)\Acuo Technologies\<product>\ <hotfix installer>** folder, check the **LOG-UninstallUpdate_VBScript.txt** file (a log file created by the uninstaller) for more information about the error.

6. Verify the script successfully replaced the new hotfix files with the old (pre-hotfix) files.

   Example If you uninstalled AcuoMed, the **Date Modified** field for *AcuoMed.exe* should reflect the date the file was last updated prior to installing the hotfix.

7. Optional. If you need to install the hotfix again, delete the original hotfix folder that was created from the previous installs.

   Example If you are reinstalling AcuoMed 6.0.1 HF2, delete the original hotfix folder: C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.1.165_H2_P0

8. After the uninstall process is complete, restore databases and transaction logs to the point prior to the hotfix upgrade.

   Note Hotfix installations may contain database updates, therefore it is necessary to restore databases back to their original (pre-hotfix) state.

Patient Management Standalone Install Procedure

Complete the following steps to run the Patient Management standalone installer for 6.0.1 HF2.

New install procedure

1. Follow the *6.0.1 Service Pack New Installation* instructions to install the standalone Patient Management client.

2. Run the AcuoMed install script: *AcuoMed 6.0.1 Hotfix-2.exe.*

Upgrade procedure

If you are upgrading the standalone Patient Management client from an earlier hotfix, complete the following steps.

1. Close all Microsoft Management Consoles.

   - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

   - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

2. Run the AcuoMed install script: *AcuoMed 6.0.1 Hotfix-2.exe.*

Acuo Release 6.0.1 Hotfix 1

The following products were updated in 6.0.1 Hotfix1.

- AcuoMed Image Manager™

- AcuoStore Digital Asset Manager™

- Acuo High Availability (HA)™

- AcuoWorkflow™

- Acuo XDS Registry™

New install procedure

To install Acuo 6.0.1 Hotfix 1, complete the following steps.

Run the base 6.0.1 Service Pack installer

Follow the Acuo Release 6.0.1 instructions to install the service packs for AcuoMed and AcuoStore, and if applicable, AcuoSemantix, AcuoHA, Acuo Workflow, AcuoWADO, and Acuo XDS Accelerator.

Note To install Acuo XDS Registry, run the updated, full installer: 6.0.1.157.

Install AcuoStore

1. Run the AcuoStore 6.0.1 HF1 install script.

2. Click **Accept** to continue.

3. Click **Cancel** when prompted to install database updates.

   Note This step assumes that databases are not yet installed.

4. Click **Yes** in the window that indicates the services were disabled when the update was installed.

Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

5.   In the message box, verify the version information is correct and click **OK**.

Install AcuoMed

1.   Run the AcuoMed 6.0.1 HF1 install script.

2.   Click **Cancel** when prompted to install database updates.

     Note This step assumes that databases are not yet installed.

3.   Click **Yes** in the window that indicates the services were disabled when the update was installed.

     Note Clicking **Yes** should change the startup type back to **Automatic** but it will not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

4.   In the message box, verify the version information is correct and click **OK**.

5.   Click **Yes** in the window that indicates the services were disabled when the update was installed.

     Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

Install Acuo Workflow Services (optional)

1.   Run the Acuo Workflow Services 6.0.1 HF1 install script.

2.   Click **Accept**.

3.   To run the database upgrade for Acuo Workflow Services, enter the login credentials for the AcuoEnterpriseSetup and AcuoWebServices databases.

     Important Only qualified support personnel should perform a selective database upgrade. These upgrades have potential to corrupt the installed databases if not performed correctly.

4.   Click **Yes** in the window that indicates the services were disabled when the update was installed.

     Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

Install AcuoHA (optional)

1.   Run the AcuoHA 6.0.1 HF1 install script.

2.   Click **Accept**.

     Important Any customization made to the Standard Acuo database schemas is overwritten while running the database upgrade script in the following step. Back up all pertinent databases and copy them off the system prior to continuing the upgrade.

3.   To run the database upgrade for AcuoHA, in the **SQL Server Login** box, enter the login ID and password information.

     Important Only qualified support personnel should perform a selective database upgrade. These upgrades have potential to corrupt the installed databases if not performed correctly.

4. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

Install AcuoXDS Registry (optional)

To install AcuoXDS Registry, complete the following steps.

1. In the **XDS Registry 6.0.1.157\DiskImages\DISK1** folder, click **Setup.exe** and select **Run As Administrator**.

2. Start all Acuo XDS services.

Install databases

Install the AcuoStore, AcuoMed, and DICOM databases and configure the system.

Upgrade procedure

To upgrade to version 6.0.1 Hotfix1, complete the following steps.

1. To install AcuoMed/AcuoStore on Windows Server 2008 and Windows Server 2012, first disable User Account Control (UAC). To disable UAC, complete the following substeps.

   a. From the **Start** menu, in the **Search** field, type `msconfig` and then press ENTER.

   b. In the **System Configuration Tool** dialog box, select the **Tools** tab.

   c. Select **Change UAC Settings** and then click **Launch**. A command window appears and a notification displays stating that the UAC is disabled.

   d. Restart your computer to apply the change.

2. Verify the base 6.0.1 version is installed for the products you are upgrading.

3. Stop and disable all Acuo services.

4. Close all Microsoft Management Consoles.

   - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

   - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

5. Close all open Activity Log sessions.

6. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections that are connected to the server being upgraded.

   Note Alternatively, you can stop and restart SQL Server.

Install AcuoStore, AcuoMed, AcuoHA, AcuoWorkflow Services, and AcuoXDS Registry

Complete the following steps for each product you want to install. Note that AcuoHA, AcuoWorkflow Services, and AcuoXDS Registry are optional.

Note AcuoWADO, AcuoSemantix, AcuoXDS Accelerator, and AcuoXDS Repository were not updated with the 6.0.1 HF1 release.

1. Run the install script for the product you want to install.

    Example The AcuoStore install script is *AcuoStore 6.0.1 Hotfix-1.exe*.

2. In the message box, verify the name of the installer and click **Accept** to continue.

    Important Any customization made to the Standard Acuo database schemas will be overwritten while running the database upgrade script in the following step. Back up all pertinent databases and copy them off the system prior to continuing the upgrade.

3. In the **Update Storage Server** dialog box, under **Connection type**, select **Windows user authentication using your credentials** or enter the SQL Server login and password to run the database upgrade.

    Important Only qualified support personnel should perform a selective database upgrade. These upgrades have potential to corrupt the installed databases if not performed correctly.

4. Verify no errors are present when the upgrade script runs.

5. Click **Exit**.

6. Click **Yes** in the window that indicates the services were disabled when the update was installed.

    Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

7. In the message box, verify the version information is correct and click **OK**.

Install AcuoXDS Registry (optional)

To install AcuoXDS Registry, complete the following steps.

1. Stop all Acuo XDS services.

2. In the **XDS Registry 6.0.0.157\DiskImages\DISK1**, right-click **Setup.exe** and select **Run As Administrato**r.

3. Start all Acuo XDS services.

Verify files exist

Verify new files exist for each product installed.

Start services

1. Start the following Acuo services in the order they appear below.

    a. AcuoStore

    b. AcuoMed

    c. AcuoAudit

    d. Acuo Tier Manager (if applicable)

    e. AcuoSemantix (if applicable)

    f. AcuoHA (if applicable)

g. AcuoWADO (if applicable)

h. AcuoWorkflow Services (if applicable)

i. XDS Accelerator (if applicable)

j. XDS Registry (if applicable)

k. XDS Repository (if applicable)

l. XDS Information (if applicable)

2. Verify the startup type is set to **Automatic**.

Back up databases

After the upgrade is complete, back up all pertinent databases and copy them off the system.

Uninstall procedure

If you need to uninstall the hotfix, you can run an uninstall script. Complete the following steps to uninstall the hotfix.

Important Contact Perceptive Software Support prior to starting this procedure.

1. Close all Microsoft Management Consoles.

   - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

   - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

2. Close all open Activity Log sessions.

3. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections, which are connected to the server being upgraded.

   Note Alternatively, you can stop and restart SQL Server.

4. For each product you want to uninstall, in the **C:\Program Files (x86)\Acuo Technologies\<*product*>\ <*hotfix installer*>** folder, run the **UninstallUpdate.vbs** script.

   Example C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.0.144_H5_P0

5. Optional. If you received errors after running the uninstall script, in the **C:\Program Files (x86)\Acuo Technologies\<*product*>\ <*hotfix installer*>** folder, check the **LOG-UninstallUpdate_VBScript.txt** file (a log file created by the uninstaller) for more information about the error.

6. Verify the script successfully replaced the new hotfix files with the old (pre-hotfix) files.

   Example If you uninstalled AcuoMed, the **Date Modified** field for *AcuoMed.exe* should reflect the date the file was last updated prior to installing the hotfix.

7. Optional. If you need to install the hotfix again, delete the original hotfix folder that was created from the previous installs.

   Example   If you are reinstalling AcuoMed 6.0.0 HF5, delete the original hotfix folder:
   C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.0.144_H5_P0

8. After the uninstall process is complete, restore databases and transaction logs to the point prior to the hotfix upgrade.

   Note Hotfix installations may contain database updates, therefore it is necessary to restore databases back to their original (pre-hotfix) state.

Patient Management standalone installer procedure

Complete the following steps to run the Patient Management standalone installer for 6.0.1 HF1.

New install procedure

1. Follow the *6.0.1 Service Pack New Installation* instructions to install the standalone Patient Management client.

2. Run the AcuoMed install script: *AcuoMed 6.0.1 Hotfix-1.exe.*

Upgrade procedure

If you are upgrading the standalone Patient Management client from an earlier hotfix, complete the following steps.

1. Close all Microsoft Management Consoles.

   - **Windows 2012**: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

   - **Windows 2008**: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

2. Run the AcuoMed install script: *AcuoMed 6.0.1 Hotfix-1.exe.*

Acuo Release 6.0.1

After installing Acuo software, you create the AcuoMed and AcuoStore databases using the product GUIs. You specify the location of the database files when creating the database. The location can be any drive or storage device accessible by the SQL Server instance hosting the database.

After installing AcuoStore, you create and configure image share folders. The location can be any drive or storage device accessible by the server hosting AcuoStore.

Other Acuo products automatically create databases during installation. You specify the location of the database files when installing the product. The location can be any drive or storage device accessible by the SQL Server instance hosting the database.

If you are installing to a non-system drive (a drive other than the C:\ drive), note the following items.

- The Acuo Host Server Setup installer is the only installer that allows you to change the installation folder to a non-system drive. It installs components required by 32-bit installers and 64-bit installers. The 64-bit components are installed into the non-system drive location. The 32-bit components are always installed in the C:\Program Files (x86) folder.

- The product installers do not allow you to change the installation folder. Since Acuo Host Server Setup installer installs shared files that are needed for other Acuo products, subsequent product installers must install to the same directory.

- **Note** The installation steps for 6.0.1 require you to run a separate Prerequisite and Acuo Host Server Setup installer. Refer to the **Appendix A: Installation Components 6.0.1** for more information about the types of components installed on your system during the installation process.

Full Server Installation

If you specify domain users during installation, when specifying the account to use for Acuo services, you may need to run the Computer Browser service. The alternative is to specify the local AcuoServiceUser in the installers and then change the user in the Services node after the installers are complete.

1. To install AcuoMed/AcuoStore on Windows Server 2008 and Windows Server 2012, disable User Account Control (UAC).

    a. From the **Start** menu, in the **Search** field, type **msconfig** and then press ENTER.

    b. In the **System Configuration Tool** dialog box, select the **Tools** tab.

    c. Select **Change UAC Settings** and then click **Launch**. A command window appears and a notification displays stating that the UAC is disabled.

    d. Restart your computer to apply the change.

2. Optional. If installing AcuoHA or AcuoXDS, you must configure the Microsoft Distributed Transaction Coordinator (MSDTC) service. Choose one of following procedures: *Configure Windows Server 2008/2008 R2* or *Configure Windows Server 2012/2012 R2*.

Configure Windows Server 2008/2008 R2

To configure Windows Server 2008/2008 R2, complete the following steps on a SQL server standalone system and a system with Acuo software installed.

1. In the control panel, click **Administrative Tools** > **Component Services** > **Computers > My Computer** > **Distributed Transaction Coordinator**.

2. Right-click **Local DTC** and select **Properties**.

3. On the **Security** tab, complete the following substeps.

   a. Under **Security Settings**, select **Network DTC Access**.

   b. Under **Transaction Manager Communication**, select **Allow Inbound** and **Allow Outbound**.

4. Click **OK**.

5. Click **Yes** to restart the MSDTC service.

Configure Windows Server 2012/2012 R2

To configure Windows Server 2012/2012 R2, complete the following steps on a SQL server standalone system and a system with Acuo software installed.

1. In the **Server Manager**, click **Tools Menu > Component Services** > **Computers** > **My Computer** > **Distributed Transaction Coordinator**.

2. Right-click **Local DTC** and select **Properties**.

3. On the **Security** tab, complete the following substeps.

   a. Under **Security Settings**, select **Network DTC Access**.

   b. Under **Transaction Manager Communication**, select **Allow Inbound** and **Allow Outbound**.

4. Click **OK**.

5. Click **Yes** to restart the MSDTC service.

Install Prerequisite and Host Setup installer

Complete the following steps on a SQL server standalone system and a system with Acuo software installed. For more information about Acuo Host Server Setup, see **Appendix A: Installation Components 6.0.1**.

1. To install the prerequisites, in the **\System Prereqs 6.0.1.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. To run the Acuo Host Server Setup installer for 64-bit systems, in the **\Host Setup 6.0.1.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

3. To run the Acuo Host Server Setup installer for 32-bit systems, complete the following substeps.

   a. In the **\Host Setup 6.0.1.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

   b. In the **\Host Setup x32 6.0.1.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

Install AcuoStore

1. To install AcuoStore, in the **\AcuoStore 6.0.1.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator.**

2. After the installer completes, run the database upgrade.

Install AcuoMed

1. To install AcuoMed, in the **\AcuoMed 6.0.1.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. After the installer completes, run the database upgrade.

Install AcuoHA (optional)

1. In the **\AcuoHA 6.0.1.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

    Important Install AcuoHA after installing AcuoMed and AcuoStore.

2. Configure AcuoHA: In the **Digital Asset Manager Server Properties** dialog box, verify the AcuoHA SQL instance name and AcuoHA database name.

3. Configure the Publisher: Using the AcuoHA Manager snap-in, complete the following substeps.

    a. When selecting the **Publisher** and **Subscriber** nodes in the **Microsoft Management Console**, click **No** when prompted to load the configuration.

    b. Click **Add**.

    c. In the **Subscriber URL** field, update the default *<localhost>* to the server name where the subscriber service is running.

    Example http://*<localhost>*:9100/AHASubscriberHandler/

4. Configure the Subscriber: Using the AcuoHA Manager snap-in, complete the following substeps.

    a. Right-click the **AcuoHA Manager** node and select **Add New Publisher**.

    b. Enter the Database Connection String. The example can be copied into the field and changes can be made where necessary.

    c. When selecting the **Publisher** and **Subscriber** nodes in the **Microsoft Management Console**, click **No** when prompted to load the configuration.

    d. Optional. Update the **Listening URL** field by changing *<localhost>* to the server name where the subscriber service is running.

    Example http://*<localhost>*:9100/AHASubscriberHandler/

5. Update the **Server** and **Database** fields for AcuoMed.

    Example

Field Name	Value
Application Name	AcuoHa:AcuoMedReplication
Server	localhost
Integrated security	SSPI
Database	AcuoMed

6. Update the **Server** and **Database** fields for AcuoStore.

    Example

Field Name	Value
Application Name	AcuoHa:AcuoStoreReplication
Server	localhost
Integrated security	SSPI
Database	AcuoSdb

7. To ensure AcuoHA Service starts successfully, on subscriber servers, configure namespace reservations.

    Examples Commands used for configuring namespace reservations within Windows Server 2008 are listed below.

    - netsh http add urlacl url=http://+:9100/AHASubscriberHandler user=*DOMAIN\user*

    - netsh http add urlacl url=http://+:9100/mex user=*DOMAIN\user*

    Refer to the *Acuo High Availability Installation and Configuration Guide* for more information about requirements, installation, and configuration.

Install AcuoSemantix (optional)

- To install AcuoSemantix, in the **\AcuoSemantix 6.0.1.XX\DiskImages\DISK1** folder, click **Setup.exe** and select **Run As Administrator**.

Important Install AcuoSemantix after installing AcuoMed and AcuoStore.

Refer to the *AcuoSemantix Installation and Operations Guide* for more information about installation and configuration.

Install AcuoWADO (optional)

- To install AcuoWADO, in the **\WADO 6.0.1.XX\DiskImages\DISK1** folder, click **Setup.exe** and select **Run As Administrator**.

Refer to the *AcuoWADO Installation and Operations Guide* for more information about installation and configuration.

Install AcuoXDS Accelerator, AcuoXDS Registry, and AcuoXDS Repository (optional)

- To install AcuoXDS Accelerator, AcuoXDS Registry, and AcuoXDS Repository in each of the following folders, click **Setup.exe** and select **Run As Administrator**.

    - **\XDS Accelerator 6.0.1.XX\DiskImages\DISK1**

    - **\XDS Registry 6.0.1.XX\DiskImages\DISK1**

    - **\XDS Repository 6.0.1.XX\DiskImages\DISK1**

Refer to the *AcuoXDS Installation and Operations Guide* for more information about installation and configuration.

Install Acuo Workflow Services (optional)

To install Acuo Workflow Services, in the **\Workflow 6.0.1.XX\DiskImages\DISK1** folder, click **Setup.exe** and select **Run As Administrator**.

Refer to the *Acuo Workflow Services Operations Guide* for more information about installation and configuration.

Start services

- Start Acuo services, beginning with AcuoStore, followed by AcuoMed, and then all other services.

Note Unless an archive device is connected, the Acuo Tier Manager service should remain disabled.

Patient Management standalone installer procedure (New Install)

Complete the following steps to run the Patient Management standalone installer. Refer to the **Appendix A: Installation Components 6.0.1** for more information about Acuo Host Server Setup installer.

1. To install the prerequisites, in the **\System Prereqs 6.0.1.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. To run the Acuo Host Server Setup installer for 64-bit systems, in the **\Host Setup 6.0.1.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

3. To run the Acuo Host Server Setup installer for 32-bit systems, in the **\Host Setup x32 6.0.1.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

4. To run the AcuoMed install script, complete the following substeps.

    a. In the **\AcuoMed 6.0.1.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

    b. In the **Setup Type** dialog box, select **Patient Management Only Installation**.

Full Server Upgrade Installation

Use this procedure when upgrading your version of Acuo to 6.0.1. You must know the SQL login and password to complete the upgrade procedure.

Important Always back up all pertinent databases and copy them off the system. This should be done prior to installing and upgrading Acuo software and after installing and upgrading Acuo software.

If you specify domain users during installation, when specifying the account to use for Acuo services, you may need to run the Computer Browser service. The alternative is to specify the local AcuoServiceUser in the installers, then change the user in the Services node after the installers are complete.

Note The message box that prompted you to re-enable services has been removed in the 6.0.1 release.

1. To install AcuoMed/AcuoStore on Windows Server 2008 and Windows 2012, first disable User Account Control (UAC).

    a. From the **Start** menu, in the **Search** field, type **msconfig** and then press ENTER.

    b. In the **System Configuration Tool** dialog box, select the **Tools** tab.

    c. Select **Change UAC Settings** and then click **Launch**. A command window appears and a notification displays stating that the UAC is disabled.

    d. Restart your computer to apply the change.

2. Using the table below, verify the current Acuo version installed on the client supports the upgrade.

    Supported upgrade path

Existing Version Number	New Version Number
5.3.1	
5.3.2	6.0.1
6.0.0	

3. Stop and disable all Acuo services.

    Note All Acuo services should be prefaced with "Acuo."

4. Close all Microsoft Management Consoles.

    - Windows 2012: In the Windows Task Manager, on the Processes tab, verify the Microsoft Management Console (32-bit) process is not running.

    - Windows 2008: In the Windows Task Manager, on the Processes tab, verify the mmc.exe*32* process is not running.

5. Close all open Activity Log sessions.

6. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections, which are connected to the server you are upgrading.

   Note Alternatively, you can stop and restart SQL Server.

7. Complete the following backup procedures.

   a) Perform a full backup of all Acuo databases.

   b) Backup a copy of the Acuo Technologies folder.

   c) Export a copy of the following registry locations.

       o   HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Acuo Technologies

       o   HKEY_LOCAL_MACHINE\SOFTWARE\Acuo Technologies\

8. If required, reboot the server.

9. In the **Control Panel**, uninstall the following products in the order they are listed.

   - Acuo Workflow Services (if applicable)

   - AcuoSemantix (if applicable)

   - AcuoHA (if applicable)

   - AcuoWADO (if applicable)

   - AcuoXDS Accelerator (if applicable)

   - AcuoXDS Registry (if applicable)

   - AcuoXDS Repository (if applicable)

   - AcuoMed

     Note In the InstallShield Wizard dialog box, select **Yes** to save the current configuration.

   - AcuoStore

     Note In the InstallShield Wizard dialog box, select **Yes** to save the current configuration.

   - Acuo Host Server Setup (all versions)

10. If necessary, upgrade the Windows Operating System.

    Note Verify a stable functional environment with run time before upgrading the Windows Operating System.

11. If necessary, upgrade SQL Server.

Install Prerequisite and Host Setup installer

Complete the following steps on any SQL Server standalone system and a system where Acuo software is installed. Refer to the **Appendix A: Installation Components 6.0.1** for more information about Host Server setup.

1. To install the prerequisites, in the **\System Prereqs 6.0.1.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. To run the Acuo Host Server Setup installer for 64-bit systems, in the **\Host Setup 6.0.1.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

3. To run the Acuo Host Server Setup installer for 32-bit systems, complete the following steps.

   a. In the **\Host Setup 6.0.1.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

   b. In the **\Host Setup x32 6.0.1.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

Install AcuoStore

1. To install AcuoStore, in the **\AcuoStore 6.0.1.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator.**

2. After the installer completes, run the database upgrade.

3. Optional. To manually re-run the AcuoStore DB Upgrade, in the **C:\Program Files (x86)\Acuo Technologies\AcuoStore** folder, run the **UpdateAcuoStore.exe** file.

Install AcuoMed

1. To install AcuoMed, in the **\AcuoMed 6.0.1.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. After the installer completes, run the database upgrade.

3. Optional. To manually re-run the AcuoMed DB Upgrade, in the **C:\Program Files (x86)\Acuo Technologies\AcuoStore** folder, run the **UpdateAcuoMed.exe** file.

Install AcuoHA (optional)

To install AcuoHA, in the \AcuoHA 6.0.1.XX\DiskImages\DISK1 folder, right-click **Setup.exe** and select **Run As Administrator**.

Note AcuoHA should always be installed after installing AcuoMed and AcuoStore.

Configure AcuoHA

In the **Digital Asset Manager Server Properties** dialog box, verify the AcuoHA SQL instance name and AcuoHA database name.

Configure the Publisher

Using the AcuoHA Manager snap-in, complete the following steps.

1. When selecting the **Publisher** and **Subscriber** nodes in the **Microsoft Management Console**, click **Yes** when prompted to load the configuration.

2. Select the Publisher configuration file, **AHAPublisherSrv.exe.config**, from the previous version.

3. Verify the Subscriber URL information is loaded correctly from the backup file.

Configure the Subscriber

Using the AcuoHA Manager snap-in, complete the following steps.

1. When selecting the **Publisher** and **Subscriber** nodes in the **Microsoft Management Console**, click **Yes** when prompted to load the configuration.

2. Select the Subscriber configuration file, **AHASubscriberSrv.exe.config**, from the previous version.

3. Verify the Listening URL, AcuoMed/AcuoStore SQL Server Instance Name, and Database Names are loaded correctly.

4. Optional. If the load option above is unsuccessful, you can manually replace the Publisher and Subscriber configuration files in the **C:\Program Files (x86)\Acuo Technologies\AcuoHA** directory.

   Refer to the *Acuo High Availability Installation and Configuration Guide* for more information about requirements, installation, and configuration.

Install AcuoSemantix (optional)

1. To install AcuoSemantix, in the **\AcuoSemantix 6.0.1.XX\DiskImages\DISK1** folder, click **Setup.exe** and select **Run As Administrator**.

2. After upgrading AcuoSemantix, replace **the RisTableMap.xml** file with the previous version located in the **C:\Program Files (x86)\Acuo Technologies\AcuoSemantix** folder.

   Refer to the *AcuoSemantix Installation and Operations Guide* for more information about installation and configuration.

Install AcuoWADO (optional)

To install AcuoWADO, in the **\WADO 6.0.1.XX\DiskImages\DISK1** folder, click **Setup.exe** and select **Run As Administrator**.

Refer to the *AcuoWADO Installation and Operations Guide* for more information about installation and configuration.

Install AcuoXDS Accelerator, AcuoXDS Registry, and AcuoXDS Repository (optional)

To install AcuoXDS Accelerator, AcuoXDS Registry, and AcuoXDS Repository, in each of the following folders, click **Setup.exe** and select **Run As Administrator**.

- **\XDS Accelerator 6.0.1.XX\DiskImages\DISK1**

- **\XDS Registry 6.0.1.XX\DiskImages\DISK1**

- **\XDS Repository 6.0.1.XX\DiskImages\DISK1**

Refer to the *AcuoXDS Installation and Operations Guide* for more information about installation and configuration.

Install Acuo Workflow Services (optional)

To install Acuo Workflow Services, in the **\ Workflow 6.0.1.XX\DiskImages\DISK1** folder, click **Setup.exe** and select **Run As Administrator**.

Refer to the *Acuo Workflow Services Operations Guide* for more information about installation and configuration.

Start services

Start Acuo services, beginning with AcuoStore, followed by AcuoMed, and then all other services.

Notes

Unless an archive device is connected, the Acuo Tier Manager service should remain disabled.

To start Acuo services, you may first need to reset the domain account password within each of the installed services when running the Acuo services as a domain account. To reset the password, complete the following steps.

1. In the **Services** dialog box, right-click the service and select **Properties**.

2. On the **Log On** tab, select **This account**.

3. In the **Password** field, enter the password for the domain account, and re-enter the password in the **Confirm Password field**.

4. Click **OK**.

5. In the **Services** dialog box, start the service.

Patient Management standalone installer procedure (Upgrade)

Complete the following steps to run the Patient Management standalone installer.

1. In the **Control Panel**, uninstall the following products.

    - AcuoMed

      Note Click **Yes** to save the current configuration.

    - Acuo Host Server Setup (all versions)

2. Close all Microsoft Management Consoles.

3. If necessary, upgrade the Windows Operating System.

    Note Verify a stable functional environment with run time before upgrading the Windows Operating System.

4. To install the prerequisites, in the **\System Prereqs 6.0.1.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**. Refer to the **Appendix A: Installation Components 6.0.1** for more information about Host Server setup.

5. To run the Acuo Host Server Setup installer for 64-bit systems, in **the \Host Setup 6.0.1.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

6. To run the Acuo Host Server Setup installer for 32-bit systems, in the **\Host Setup x32**

6.0.1.XX\DiskImages\DISK1 folder, right-click **Setup.exe** and select **Run As Administrator**.

7. To run the AcuoMed install script, complete the following steps.

    1. In the **\AcuoMed 6.0.1.XX\DiskImages\DISK1** folder, right-**click Setup.exe** and select **Run As Administrator**.

    2. In the **Setup Type** dialog box, select **Patient Management Only Installation**.

Supported Operating System and SQL Server Versions (6.0.1)

Below is a list of supported OS/SQL combinations for this AcuoMed/AcuoStore release.

Operating System	SQL Server
Windows Server 2012 R2	SQL Server 2012 SP3 No SQL (Patient Management standalone installations)
Windows Server 2012	SQL Server 2012 SP3 No SQL (Patient Management standalone installations)
Windows Server 2008 R2 (x64)	SQL Server 2012 SP3 SQL Server 2008 R2 SP3 and SQL Server 2008 SP4 No SQL (Patient Management standalone installations)
Windows Server 2008 SP2 (x64) non R2 version	SQL Server 2008 R2 SP3 and SQL Server 2008 SP4 No SQL (Patient Management standalone installations)
Windows Server 2008 SP2 (x86) non R2 version	SQL Server 2008 (x86) R2 SP3 and SQL Server 2008 SP4 No SQL (Patient Management standalone installations)
Windows 8*	SQL Server 2012 SP3 – Express No SQL (Patient Management standalone installations)
Windows 7*	SQL Server 2008 R2 SP2 - Express No SQL (Patient Management standalone installations)

* Support for Windows 7 and Windows 8 is limited to Patient Management Standalone installations and small volume temporals.

Note: The SQL Server feature AlwaysOn Availability Groups is not supported.

Acuo Release 6.0.0 Hotfix 7

New install procedure

To install 6.0.0 Hotfix 7, complete the following steps.

Run the base 6.0.0 Service Pack installer

Follow the Acuo Release 6.0.0 instructions to install the service packs for AcuoMed and AcuoStore, and if applicable, AcuoSemantix, AcuoHA, Acuo Workflow, AcuoWADO, and Acuo XDS Accelerator.

Install AcuoStore

1. Run the AcuoStore 6.0.0 HF7 install script.

   Step result After running the install script, the information contained in the pop-window indicates this is "AcuoStore 6.0.0.x Hotfix 7, build x".

2. Click **Accept** to continue.

3. In the database updates window, click **Cancel**.

4. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

5. In the message box, verify the version information is correct and click **OK**.

Install AcuoMed

1. Run the AcuoMed 6.0.0 HF7 install script.

   Step result After running the install script, the information contained in the pop-window indicates this is "AcuoMed 6.0.0.x Hotfix 7, build x".

2. Click **Accept**.

3. In the database updates window, click **Cancel**.

4. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** should change the startup type back to **Automatic** but it will not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

5. In the message box, verify the version information is correct and click **OK**.

6. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

7. Run the AcuoWADO 6.0.0 HF5 install script.

   Note AcuoWADO was not updated with the 6.0.0 HF7 release. Therefore, if you are installing AcuoWADO, run the AcuoWADO 6.0.0 HF5 install script.

Step result After running the install script, the information contained in the pop-window indicates this is "AcuoWADO 6.0.0.x Hotfix 5, build x".

Note AcuoWADO was not updated with the 6.0.0 HF7 release. Therefore, if you are installing AcuoWADO, run the AcuoWADO 6.0.0 HF5 install script.

8. Click **Accept**.

Install Acuo Workflow Services (optional)

1. Run the Acuo Workflow Services 6.0.0 HF5 install script.

    Note Acuo Workflow Services was not updated with the 6.0.0 HF7 release. Therefore, if you are installing Acuo Workflow Services, run the Acuo Workflow Services 6.0.0 HF5 install script.

    Step result After running the install script, the information contained in the pop-window indicates this is "Acuo Workflow Services 6.0.0.x Hotfix 5, build x".

2. Click **Accept**.

3. To run the database upgrade for Acuo Workflow Services, enter the login credentials for the AcuoEnterpriseSetup and AcuoWebServices databases.

    Important Only qualified support personnel should perform a selective database upgrade. These upgrades have potential to corrupt the installed databases if not performed correctly.

4. Click **Yes** in the window that indicates the services were disabled when the update was installed.

    Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

Install AcuoHA (optional)

1. Run the AcuoHA 6.0.0 HF4 install script.

    Note AcuoHA was not updated with the 6.0.0 HF7 release. Therefore, if you are installing AcuoHA, run the AcuoHA 6.0.0. HF4 install script.

    Step result After running the install script, the information contained in the pop-window indicates this is "AcuoHA 6.0.0.x Hotfix 4, build x".

2. Click **Accept**.

    Important Any customization made to the Standard Acuo database schemas will be overwritten while running the database upgrade script in the following step. Back up all pertinent databases and copy them off the system prior to continuing the upgrade.

3. To run the database upgrade for AcuoHA, in the **SQL Server Login** box, enter the login ID and password information.

    Important Only qualified support personnel should perform a selective database upgrade. These upgrades have potential to corrupt the installed databases if not performed correctly.

4. Click **Yes** in the window that indicates the services were disabled when the update was installed.

    Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

Install AcuoSemantix (optional)

1. Run the AcuoSemantix 6.0.0 HF3 install script.

   Note AcuoSemantix was not updated with the 6.0.0 HF7 release. Therefore, if you are installing AcuoSemantix, run the AcuoSemantix 6.0.0 HF3 install script.

   Step result After running the install script, the information contained in the pop-window indicates this is "AcuoSemantix 6.0.0.x Hotfix 3, build x".

2. Click **Accept**.

   Important Any customization made to the Standard Acuo database schemas is overwritten when you run the database upgrade script in the following step. Back up all pertinent databases and copy them off the system prior to continuing the upgrade.

3. To run the database upgrade for AcuoSemantix, in the **SQL Server Login** box, enter the login ID and password information.

   Important Only qualified support personnel should perform a selective database upgrade. These upgrades have potential to corrupt the installed databases if not performed correctly.

Install Acuo XDS components (optional)

To install AcuoXDS Accelerator, AcuoXDS Registry, and AcuoXDS Repository, in each of the following folders, click **Setup.exe** and select **Run As Administrator**.

- **XDS Accelerator 6.0.0.128\DiskImages\DISK1**

- **XDS Registry 6.0.0.128\DiskImages\DISK1**

- **XDS\XDS Repository 6.0.0.128\DiskImages\DISK1**

    Note AcuoXDS was not updated in 6.0.0 HF7.

Install databases

Install the AcuoStore, AcuoMed, and DICOM databases and configure the system.

Upgrade procedure

The Acuo 6.0.0 Hotfix 7 release includes updates to AcuoMed and AcuoStore. To upgrade your AcuoMed and AcuoStore versions to 6.0.0 Hotfix 7, complete the following steps.

1. To install AcuoMed/AcuoStore on Windows Server 2008 and Windows Server 2012, first disable User Account Control (UAC). To disable UAC, complete the following substeps.

   a. From the **Start** menu, in the **Search** field, type **msconfig** and then press ENTER.

   b. In the **System Configuration Tool** dialog box, select the **Tools** tab.

   c. Select **Change UAC Settings** and then click **Launch**. A command window appears and a notification displays stating that the UAC is disabled.

   d. Restart your computer to apply the change.

2. Verify 6.0.0 is installed on the AcuoStore and AcuoMed systems.

3. Stop and disable all Acuo services.

4. Close all Microsoft Management Consoles.

- Windows 2012: In the **Windows Task Manager**, on the **Processes** tab, verify the Microsoft Management Console (32-bit) process is not running.
- Windows 2008: In the **Windows Task Manager**, on the **Processes** tab, verify the mmc.exe*32* process is not running.

5. Close all open Activity Log sessions.

6. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections that are connected to the server being upgraded.

   Note Alternatively, you can stop and restart SQL Server.

Install AcuoStore and AcuoMed

1. Run the install script for the product you want to install.

   Example The AcuoStore install script is *AcuoStore 6.0.0 Hotfix-7.exe*.

2. In the message box, verify the name of the installer and click **Accept** to continue.

   Important Any customization made to the Standard Acuo database schemas will be overwritten while running the database upgrade script in the following step. Back up all pertinent databases and copy them off the system prior to continuing the upgrade.

3. In the **Update Storage Server** dialog box, under **Connection type**, select **Windows user authentication using your credentials** or enter the SQL Server login and password to run the database upgrade for AcuoStore.

   Important Only qualified support personnel should perform a selective database upgrade. These upgrades have potential to corrupt the installed databases if not performed correctly.

4. Verify no errors are present when the upgrade script runs and click **Exit**.

5. Click **Yes** in the window that indicates the services were disabled when the update was installed.

   Note Clicking **Yes** changes the startup type back to **Automatic** but it does not start the services. Clicking **No** or **Cancel** in this window is also acceptable until the install process is completed; however, the startup should always be changed back to **Automatic** under normal operation.

6. In the message box, verify the version information is correct and click **OK**.

Verify files exist

Verify new files exist for each product installed.

Start services

1. Start the following Acuo services in the order they appear below.

   a. AcuoStore

   b. AcuoMed

   c. AcuoAudit

   d. Acuo Cache Manager (if applicable)

   e. Acuo Tier Manager (if applicable)

   f. AcuoSemantix (if applicable)

   g. AcuoHA (if applicable)

  h. AcuoWADO (if applicable)

  i. AcuoWorkflow Services (if applicable)

  j. XDS Accelerator (if applicable)

  k. XDS Registry (if applicable)

  l. XDS Repository (if applicable)

  m. XDS Information (if applicable)

2. Verify the startup type is set to **Automatic**.

Back up databases

After the upgrade is complete, back up all pertinent databases and copy them off the system.

Uninstall procedure

If you need to uninstall the hotfix, you can run an uninstall script. Complete the following steps to uninstall the hotfix.

Important Contact Perceptive Software Support prior to starting this procedure.

1. Close all Microsoft Management Consoles.

- Windows 2012: In the **Windows Task Manager**, on the **Processes** tab, verify the Microsoft Management Console (32-bit) process is not running.

- Windows 2008: In the **Windows Task Manager**, on the **Processes** tab, verify the mmc.exe*32* process is not running.

2. Close all open Activity Log sessions.

3. If possible, close any known remote Patient Management connections or remote Microsoft Management Console connections, which are connected to the server being upgraded.

  Note Alternatively, you can stop and restart SQL Server.

4. For each product you want to uninstall, in the **C:\Program Files (x86)\Acuo Technologies\<product>\ <hotfix installer>** folder, run the **UninstallUpdate.vbs** script.

  Example C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.0.144_H7_P0

5. Optional. If you received errors after running the uninstall script, in the **C:\Program Files (x86)\Acuo Technologies\<product>\ <hotfix installer>** folder, check the **LOG-UninstallUpdate_VBScript.txt** file (a log file created by the uninstaller) for more information about the error.

6. Verify the script successfully replaced the new hotfix files with the old (pre-hotfix) files.

  Example If you uninstalled AcuoMed, the **Date Modified** field for *AcuoMed.exe* should reflect the date the file was last updated prior to installing the hotfix.

7. Optional. If you need to install the hotfix again, delete the original hotfix folder that was created from the previous installs.

  Example If you are reinstalling AcuoMed 6.0.0 HF7, delete the original hotfix folder:
      C:\Program Files (x86)\Acuo Technologies\AcuoMed\FIX-6.0.0.165_H7_P0

8. After the uninstall process is complete, restore databases and transaction logs to the point prior to the hotfix upgrade.

   Note Hotfix installations may contain database updates, therefore it is necessary to restore databases back to their original (pre-hotfix) state.

Patient Management standalone installer procedure

Complete the following steps to run the Patient Management standalone installer for 6.0.0 HF7.

New install procedure

1. Follow the *6.0.0 Service Pack New Installation* instructions to install the standalone Patient Management client.

2. Run the AcuoMed install script: *AcuoMed 6.0.0 Hotfix-7.exe.*

Upgrade procedure

If you are upgrading the standalone Patient Management client from an earlier 6.0.0 hotfix, complete the following steps.

1. Close all Acuo Microsoft Management Consoles before upgrading your system.

   - Windows 2012: In the **Windows Task Manager**, on the **Processes** tab, verify the Microsoft Management Console (32-bit) process is not running.

   - Windows 2008: In the **Windows Task Manager**, on the **Processes** tab, verify the mmc.exe*32* process is not running.

2. Run the AcuoMed install script: AcuoMed 6.0.0 Hotfix-7.exe.

Acuo Release 6.0.0

After installing Acuo software, you create the AcuoMed and AcuoStore databases using the product GUIs. You specify the location of the database files when creating the database. The location can be any drive or storage device accessible by the SQL Server instance hosting the database.

After installing AcuoStore, you create and configure image share folders. The location can be any drive or storage device accessible by the server hosting AcuoStore.

Other Acuo products automatically create databases during installation. You specify the location of the database files when installing the product. The location can be any drive or storage device accessible by the SQL Server instance hosting the database.

If you are installing to a non-system drive (a drive other than the C:\ drive), note the following items.

- The Acuo Host Server Setup installer is the only installer that allows you to change the installation folder to a non-system drive. It installs components required by 32-bit installers and 64-bit installers. The 64-bit components are installed into the non-system drive location. The 32-bit components are always installed in the C:\Program Files (x86) folder.

- The product installers do not allow you to change the installation folder. Since Acuo Host Server Setup installer installs shared files that are needed for other Acuo products, subsequent product installers must install to the same directory.

- **Note** The installation steps for 6.0.0 require you to run a separate Prerequisite and Acuo Host Server Setup installer. Refer to the **Appendix A: Installation Components 6.0.1** for more information about the types of components installed on your system during the installation process.

Full server installation

If you specify domain users during installation, when specifying the account to use for Acuo services, you may need to run the Computer Browser service. The alternative is to specify the local AcuoServiceUser in the installers and then change the user in the Services node after the installers are complete.

1. To install AcuoMed/AcuoStore on Windows Server 2008, disable User Account Control (UAC).

    a. From the **Start** menu, in the **Search** field, type **msconfig** and then press ENTER.

    b. In the **System Configuration Tool** dialog box, select the **Tools** tab.

    c. Select **Change UAC Settings** and then click **Launch**. A command window appears and a notification displays stating that the UAC is disabled.

    d. Restart your computer to apply the change.

2. If installing AcuoHA or AcuoXDS, you must configure the Microsoft Distributed Transaction Coordinator (MSDTC) service. complete the following steps on a SQL server standalone system and a system with Acuo software installed.

    a. In the control panel, click **Administrative Tools** > **Component Services** > **Computers > My Computer** > **Distributed Transaction Coordinator**.

    b. Right-click **Local DTC** and select **Properties**.

    c. On the **Security** tab, complete the following substeps.

        i. Under Security Settings, select Network DTC Access.

        ii. Under Transaction Manager Communication, select Allow Inbound and Allow Outbound.

        iii. Click **OK**.

        iv. Click **Yes** to restart the MSDTC service.

Install Prerequisite and Host Setup installer

Complete the following steps on a SQL server standalone system and a system with Acuo software installed. For more information about Acuo Host Server Setup, see **Appendix A: Installation Components 6.0.1**.

1. To install the prerequisites, in the **\System Prereqs 6.0.0.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. To run the Acuo Host Server Setup installer for 64-bit systems, in the **\Host Setup 6.0.0.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

3. To run the Acuo Host Server Setup installer for 32-bit systems, complete the following substeps.

    a. In the **\Host Server Setup x64 - 6.0.0.x\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

    b. In the **\Host Server Setup x32 - 6.0.0.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

Install AcuoStore

1. To install AcuoStore, in the **\AcuoStore 06.00.00.0x\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator.**

2. After the installer completes, run the database upgrade.

Install AcuoMed

1. To install AcuoMed, in the **\AcuoMed 06.00.00.0x\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. After the installer completes, run the database upgrade.

Install Acuo Load Optimizer (optional)

To install Acuo Load Optimizer (ALO), refer to the *Acuo Load Optimizer Installation and Configuration Guide*.

Install AcuoHA only after installing AcuoMed and AcuoStore.

1. In the **\AcuoHA 6.0.0.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. In **AHASubscriberSrv.exe**, in the **appSettings** tag, update the subscriber server name and publisher database names.

3. In **AHASubscriberSrv.exe**, in the **appSettings** tag, update the publisher server name and publisher database names.

4. On the publisher and subscriber servers, configure namespace reservations.

   Examples Commands used for configuring namespace reservations within Windows Server 2008 are listed below.

   - netsh http add urlacl url=http://+:9100/AHASubscriberHandler user=DOMAIN\user

   - netsh http add urlacl url=http://+:9100/mex user=DOMAIN\user

   Refer to the *Acuo High Availability Installation and Configuration Guide* for more information about requirements, installation, and configuration.

5. Start the AHAPublisherSrv and AHASubscriberSrv services.

Install AcuoSemantix (optional)

Install AcuoSemantix only after installing AcuoMed and AcuoStore.

- To install AcuoSemantix, in the \AcuoSemantix 6.0.1.XX\DiskImages\DISK1 folder, click Setup.exe and select Run As Administrator.

  Note Refer to the *AcuoSemantix Installation and Operations Guide* for more information about installation and configuration.

Start services

- Start Acuo services, beginning with AcuoStore, followed by AcuoMed, and then all other services.

  Note Unless an archive device is connected, the Acuo Tier Manager service should remain disabled.

Reset domain account password (optional)

When running Acuo services as a domain account, you may be required to reset the domain account password within each of the installed services prior to successfully starting the service. To reset the password, complete the following steps.

1. Right-click the service and select **Properties**.
2. On the **Log On** tab, re-enter the password for the domain account.
3. Click **Enter**.
4. Start the services.

Patient Management standalone installer procedure

Complete the following steps to run the Patient Management standalone installer. Refer to the **Appendix A: Installation Components 6.0.1** for more information about Acuo Host Server Setup installer.

1. To install the prerequisites, in the **\Prerequisites 6.0.0.XX\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.
2. To run the Acuo Host Server Setup installer for 32-bit systems, in the **\Host Server Setup x32 – 6.0.0.x\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.
3. To run the Acuo Host Server Setup installer for 64-bit systems, complete the following substeps.
   a. In the **\Host Server Setup x32 – 6.0.0.x\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.
   b. In the **\Host Setup x64 – 6.0.0.x\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.
4. To install Patient Management Standalone, complete the following substeps.
   a. In the **\AcuoMed 06.00.00.0x\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.
   b. In the **Setup Type** dialog box, select **Patient Management Only Installation**.

Full server upgrade installation

Use this procedure when upgrading your version of Acuo to 6.0.0. You must know the SQL login and password to complete the upgrade procedure.

Important Always back up all pertinent databases and copy them off the system. This should be done prior to installing and upgrading Acuo software and after installing and upgrading Acuo software.

If you specify domain users during installation, when specifying the account to use for Acuo services, you may need to run the Computer Browser service. The alternative is to specify the local AcuoServiceUser in the installers, then change the user in the Services node after the installers are complete.

1. To install AcuoMed/AcuoStore on Windows Server 2008, first disable User Account Control (UAC).

    a.   From the **Start** menu, in the **Search** field, type **msconfig** and then press ENTER.

    b.   In the **System Configuration Tool** dialog box, select the **Tools** tab.

       Select **Change UAC Settings** and then click **Launch**. A command window appears and a notification displays stating that the UAC is disabled.

    c.   Restart your computer to apply the change.

2.   Using the table below, verify the current Acuo version installed on the client supports the upgrade.

Supported upgrade path

Existing Version Number	New Version Number
5.2.1	6.0.0
5.3.0 (AcuoStore)	
5.3.1	
5.3.2	

3.   Stop and disable all Acuo services in the following order.

    a.   AcuoSemantix

    b.   AcuoHA

    c.   Acuo Load Optimizer

    d.   Acuo Tier Manager

    e.   AcuoAudit

    f.   AcuoMed

    g.   AcuoStore

    Note Not all services may exist.

4.   Close all Microsoft Management consoles.

    •   In the **Windows Task Manager**, on the **Processes** tab, verify the mmc.exe*32* process is not running.

5.   Close all open Activity Log sessions.

6.   If possible, close any known remote Patient Management connections that are connected to the server you are upgrading.

    Note Alternatively, you can stop and restart SQL Server.

7.   Complete the following backup procedures.

    a.   Perform a full backup of all Acuo databases.

    b.   Backup a copy of the Acuo Technologies folder.

    c.   Export a copy of the following registry locations.

       •   32 Bit - HKEY_LOCAL_MACHINE\SOFTWARE\Acuo Technologies\

- 64 Bit – HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Acuo Technologies

8. Reboot the server.

9. On systems that have Acuo software installed, and on any SQL server standalone systems that are running SQL server but have no Acuo software installed, configure the Microsoft Distributed Transaction Coordinator (MSDTC) service.

   a. In the control panel, click **Administrative Tools** > **Component Services** > **Computers > My Computer** > **Distributed Transaction Coordinator**.

   b. Right-click **Local DTC** and select **Properties**.

   c. On the **Security** tab, complete the following substeps.

      i. Under Security Settings, select Network DTC Access.

      ii. Under Transaction Manager Communication, select Allow Inbound and Allow Outbound.

   d. Click **OK**.

   e. Click **Yes** to restart the MSDTC service.

10. In the **Control Panel**, uninstall the following products in the order they are listed.

    a. AcuoSemantix (if applicable)

    Note Select **No** when asked to save current configuration. XML configuration files for AcuoSemantix from previous versions will NOT be retained and carried over when 6.0.0 is installed. The configuration files in 6.0.0 have changed significantly, however some existing settings and values that haven't changed will generally need to be maintained and set to the same values upon upgrade to preserve the same behavior. The configuration files should be backed up prior to starting the upgrade so the old configuration files are readily accessible.

    b. AcuoHA (if applicable)

    Note Manually remove AcuoHA through "Add or Remove Programs". Verify the removal of the AcuoHA directory; if it still exists it should be manually deleted prior to continuing with the upgrade. XML configuration files for AcuoHA from previous versions will not be retained and carried over when 6.0.0 is installed. The configuration files in 6.0.0 have changed significantly, however some existing settings and values that haven't changed will generally need to be maintained and set to the same values upon upgrade to preserve the same behavior. The configuration files should be backed up prior to starting the upgrade so the old configuration files are readily accessible.

    c. Acuo Load Optimizer (if applicable)

    d. AcuoMed

    Note Select **Yes** to save the current configuration.

    e. AcuoStore .

    Note Select **Yes** to save the current configuration.

    f. Acuo Host Server Setup (all versions)

11. If necessary, upgrade the Windows Operating System.

    Note Verify a stable functional environment with run time before upgrading the Windows Operating System.

12. If necessary, upgrade SQL Server.

Install Prerequisite and Host Setup installer

Complete the following steps on any SQL Server standalone system and a system where Acuo software is installed. Refer to the **Appendix A: Installation Components 6.0.1** for more information about Host Server setup.

1. To install the prerequisites, in the **\Prerequisites 6.0.0.x\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. To run the Acuo Host Server Setup installer for 32-bit systems, in the **\Host Server Setup 6.0.0.x\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

3. To run the Acuo Host Server Setup installer for 64-bit systems, complete the following steps.

    a. In the **\Host Server Setup x64 - 6.0.0.x\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

    b. In the **\Host Server Setup x32 - 6.0.0.x\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

Install AcuoStore

1. To install AcuoStore, in the **\AcuoStore 06.00.00.0x\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator.**

2. After the installer completes, run the database upgrade.

Install AcuoMed

1. To install AcuoMed, in the **\AcuoMed 06.00.00.0x\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. After the installer completes, run the database upgrade.

Install Acuo Load Optimizer (optional)

To install Acuo Load Optimizer, refer to the *Acuo Load Optimizer Installation and Operations Guide*.

Install AcuoSemantix (optional)

1. To install AcuoSemantix, in the **\AcuoSemantix 06.00.00.0x\DiskImages\DISK1** folder, click **Setup.exe** and select **Run As Administrator**.

2. When prompted, verify the SQL server database listed is **MedSemantix-ex**. If this is not the name, manually enter **MedSemantix-ex.**

3. Update the configuration files for AcuoSemantix.

    Refer to the *AcuoSemantix Installation and Operations Guide* for more information about installation and configuration.

Install AcuoHA (optional)

1. To install AcuoHA, in the **\AcuoHA 06.00.00.0x\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

2. When prompted, verify the SQL server database listed is **AcuoHA**. If this is not the name, manually enter **AcuoHA**.

3. Update the configuration files for AcuoHA.

Start services

1. Start Acuo services, beginning with AcuoStore, followed by AcuoMed, and then all other services.

   Note Unless an archive device is connected, the Acuo Tier Manager service should remain disabled.

   a. If AcuoAudit service does not start after the upgrade, complete the following steps.

      i. Right-click the Acuo Audit service and select **Properties**.

      ii. Change the startup type to **Manual**.

      iii. Click **OK**.

      iv. Start the service.

      v. Once the service successfully starts, change the startup type back to **Automatic**.

Patient Management standalone installer procedure

Complete the following steps to run the Patient Management standalone installer.

1. Stop and disable all Acuo services in the following order.

   a. AcuoAudit

   b. AcuoMed

   c. AcuoStore

2. In the **Control Panel**, uninstall the following products.

   • AcuoMed

      Note Click **Yes** to save the current configuration.

   • Acuo Host Server Setup (all versions)

3. Close all Microsoft Management Consoles.

4. If necessary, upgrade the Windows Operating System.

   Note Verify a stable functional environment with run time before upgrading the Windows Operating System.

5. To install the prerequisites, in the **\System Prereqs 6.0.0.x\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**. Refer to the **Appendix A: Installation Components 6.0.1** for more information about Host Server setup.

6. To run the Acuo Host Server Setup installer for 32-bit systems, in **the \Host Server Setup x32 – 6.0.0.x\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

7. To run the Acuo Host Server Setup installer for 64-bit systems, complete the following steps.

   a. In the **\Host Server Setup x32 – 5.3.2.x\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

   b. In the **\Host Server Setup x64 – 5.3.2.x\DiskImages\DISK1** folder, right-click **Setup.exe** and select **Run As Administrator**.

8. To install Patient Management Standalone, complete the following steps.

   a. In the **\AcuoMed 06.00.00.0x\DiskImages\DISK1** folder, right-**click Setup.exe** and select **Run As Administrator**.

   b. In the **Setup Type** dialog box, select **Patient Management Only Installation**.

Supported Operating System and SQL Server Versions (6.0.0)

Below is a list of supported OS/SQL combinations for this AcuoMed/AcuoStore release.

Operating System	SQL Server
Windows Server 2008 R2 (x64)	SQL Server 2008 R2 SP2 and SQL Server 2008 SP3 No SQL (Patient Management standalone installations)
Windows Server 2008 SP2 (x64)	SQL Server 2008 R2 SP2 and SQL Server 2008 SP3 No SQL (Patient Management standalone installations)
Windows Server 2008 SP2 (x86)	SQL Server 2008 (x86) R2 SP2 and SQL Server 2008 SP3 No SQL (Patient Management standalone installations)
Windows 7*	SQL Server 2008 Express R2 SP2 No SQL (Patient Management standalone installations)
Windows XP Pro SP3	SQL Server 2008 Express R2 SP2 No SQL (Patient Management standalone installations)

* Support for XP Pro and Windows 7 is limited to Patient Management Standalone installations and small volume temporals.

Appendix A: Installation Components 6.0.x

The installation steps require you to run a separate Prerequisite and Acuo Host Server Setup installer. Below is a summary of the Prerequisite installer and the Acuo Host Server Setup installer.

System Prerequisite Installer

The Prerequisite installer installs prerequisite Microsoft software onto the system that hosts Acuo products. These prerequisites are required on all servers on which Acuo products are installed. These prerequisites are not required on the system hosting SQL Server unless Acuo products will also be installed on that server.

Overview

The Prerequisite installer checks the system, displays a list of Microsoft products, and then updates those that are needed on the system. You can opt to install the required software and updates or cancel the installation. You can execute the Prerequisite installer on either a 32-bit or a 64-bit system.

Uninstalling the Prerequisite installer

There is no specific uninstall for the Prerequisite installer. The Prerequisite installer only determines what needs to be installed and executes each Microsoft installer for the product or update that is needed on the system. The Microsoft software that is installed can be uninstalled using Programs and Features and selecting the specific Microsoft product you wish to uninstall.

Note Uninstalling any of the prerequisite software or updates may cause installed Acuo products or other software to fail or function in an unpredictable manner.

Prerequisite installer run time

If the system has been kept up to date with Microsoft updates, the installation should only take a few minutes. You can execute the Prerequisite installer to display what will be installed and then cancel the installer after reviewing the missing Microsoft prerequisites. The more items to install, the more time you will need to complete installation. If you need to install .NET or apply updates to .NET, you should schedule at least 2 hours to install all prerequisites. Installation time may exceed two hours, and depends on what .NET updates are needed and the speed and resources available on the system.

The table below lists the prerequisites in the order in which they are installed and a description of each.

Prerequisite Installed	Description
Windows Installer 4.5 for Windows Server 2008 (x86) Windows Installer 4.5 for Windows Server 2008 (x64)	Installed on Windows 2008 only. Preinstalled or newer version included on Windows 2008 R2, Windows 8, and Windows 2012. The 32-bit version is installed on a 32-bit OS. The 64-bit version is installed on a 64-bit OS.
VS2010 redist 10.0.40219.325 (x86) VS2010 redist 10.0.40219.325 (x64)	Installed an all operating systems. The 32-bit version is installed on a 32-bit OS. The 32-bit and 64 bit versions are installed on a 64-bit OS.

Prerequisite Installed	Description
Microsoft .NET Framework 4.0 Full	Installed on Windows 2008, Windows 7, Windows Server 2008 R2 Preinstalled on Windows 8 and Windows 2012 The same installer is used on both 32-bit and 64-bit OS.
SQL2008 SP3 Command Line (x32) SQL2008 SP3 Command Line (x64)	Installed only if SQL 2008 is already installed on the system. The 32-bit version is installed on a 32-bit OS. The 32-bit and 64 bit versions are installed on a 64-bit OS.
SQL2008 R2 SP2 Native Client (x32) SQL2008 R2 SP2 Native Client (x64)	Installed only if the systems does not have SQL 2008 or SQL 2008 R2 installed. If SQL 2012 or later is installed SQL 2008 R2 native client is installed for backward compatibility. The 32-bit version is installed on a 32-bit OS. The 64-bit version is installed on a 64-bit OS.
SQL2008 R2 SP2 Command Line (x32) SQL2008 R2 SP2 Command Line (x64)	Installed only if SQL 2008 R2 is already installed on the system or the SQL 2008 R2 native client above is installed. Note: This is installed by Host Server Setup if the native client needed to be installed. The 32-bit version is installed on a 32-bit OS. The 32-bit and 64-bit versions are installed on a 64-bit OS.
SQL2012 SP1 Command Line (x32) SQL2012 SP1 Command Line (x64)	Installed only if SQL 2012 is already installed on the system. The 32-bit version is installed on a 32-bit OS. The 32-bit and 64-bit versions are installed on a 64-bit OS.
SQL2005 Backward Compatibility (x32) SQL2005 Backward Compatibility (x64)	Installed on all systems and all versions of SQL. The 32-bit version is installed on a 32-bit OS. The 64-bit version is installed on a 64-bit OS.
Microsoft Redistributable Packages 32-bit operating system Visual Studio redistributables Visual C++ 10.0 ATL (x86) Visual C++ 10.0 CRT (x86) Visual C++ 10.0 MFC (x86) Visual C++ 10.0 OpenMP (x86)	Visual Studio 2010 redistributable packages Installed on 32-bit and 64-bit operating systems.

Prerequisite Installed	Description
Microsoft Redistributable Packages 64-bit operating system Visual Studio redistributables Visual C++ 10.0 ATL (x64) Visual C++ 10.0 CRT (x64) Visual C++ 10.0 MFC (x64) Visual C++ 10.0 OpenMP (x64)	Visual Studio 2010 redistributable packages Installed on 64-bit operating systems
Acuo Redistributable Packages 32-bit operating system redistributables (ADCM 4.0.0 Tail) 64-bit operating system redistributables (ADCM 4.0.0 Tail64)	Utility to display a rolling view of a log file.

Acuo Host Server Setup Installer

The Acuo Host Server Setup installer installs security groups, users, common objects and file/folder permissions. If necessary, the Acuo Host Server Setup installer may also install prerequisites that could not be included in the Prerequisite Installer because of pending reboot requirements or other restrictions.

Overview

The Acuo Host Server Setup installer checks the system and upgrades an existing installation or creates a new installation. There is one installer for 32-bit systems and another installer for 64-bit systems. The 32-bit system installer includes the text "x32" in the installer name. The 64-bit installer does not include text indicating on which bit operating system it is installed.

Uninstalling the Acuo Host Server Setup installer

If uninstalling all Acuo products, in the Control Panel, under Programs and Features, Acuo Host Server Setup should be the last Acuo product that is uninstalled since all other product installers use the tools and folders installed by this installer. Upon re-install or on a new install, the process starts with the Prerequisite installer, then the Acuo Host Server Setup installer, followed by all other Acuo products.

Acuo Host Server Setup installer run time

The installation should only take a few minutes.

Items installed

The items listed below are installed with the Acuo Host Server Setup installer.

Item			Additional Information
Local Service User Created	AcuoServiceUser		The local Acuo user that is created to run Acuo Services. The alternative to running under the local AcuoServiceUser is to run under a domain account.
Local Security Groups Created	Acuo Administrators Group		This group allows the user full access to the product including but not limited to installation, configuration, upgrading, managing ,and use of the product including updating and deleting patient data. Initial members are the current user and the AcuoServiceUser.
	Acuo Power Users Group		This group allows the user access to configuring, upgrading, managing, and use of the product including updating and deleting patients. It has no members when created.
	Acuo Users Group		This group allows limited configuration changes, limited management, and read access to patient data. It has no members when created.
Other	Product Registry, Trace and Event Log Registry settings		
	Installation tools to configure COM and Service users		
	Common Acuo Technologies icons		
	Common Acuo Technologies dlls		
	Scripts and examples that can be used to backup and manage Acuo Technologies software.		
	Folders and folder security	Default tracing folder: C:\windows\Tracing\	The three Acuo Technologies groups require at least Change access to the tracing folder.
		32-bit folders	C:\Program Files (x86)\Acuo Technologies\ C:\Program Files (x86)\Common Files\Acuo Technologies
		64-bit folders	C:\Program Files\Acuo Technologies\ C:\Program Files\Common Files\Acuo Technologies\ C:\ProgramData\Acuo Technologies\ C:\Users\Public\Desktop\Acuo Technologies\ C:\Windows\Tasks\

Appendix B: Acuo Tier Manager Service

The Acuo Tier Manager service orchestrates the writing of assets to offline storage devices and handles cache-cleaning operations. The table below provides detailed information regarding the installed services and their responsibilities based on the type of CAS Device being used.

Note The Acuo Cache Manager Service was removed with release 6.0.1. All functionality with the Cache Manger is now handled by the Acuo Tier Manager Service.

Acuo service state

The table below illustrates the recommended state of Acuo services in 6.0.x depending on the configuration implemented.

Configuration/ Archive Device	Service State			
	AcuoStore	AcuoMed	AcuoAudit	Acuo Tier Manager
No Archive Device	Enabled	Enabled	Enabled	Disabled
Acuo with Archive Device	Enabled	Enabled	Enabled	Enabled
Dedicated Writers	Disabled	Disabled	Disabled	Enabled

Acuo service responsibilities

The table below lists the service responsibilities for AcuoStore Service and Acuo Tier Manager Service.

Service Responsibility	Acuo Tier Manager Service	AcuoStore Service
File Writer	X	
Cache Cleaner /Cache Manager	X	
AcuoStore Application Storage (Total Used Gigabytes)	X	
Orphan Sweeper (AcuoStore Database Orphan Sweeper)		X

Important You must restart both the AcuoStore and Acuo Tier Manager Service to accommodate any modifications made to either configuration. This is especially important in implementations where the writer is hosted separately.