Perceptive Content

Update Guide

Version: 7.1.x

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Perceptive Content Server 7.1.x Update Guide

This readme file provides important information about updating ImageNow products from a previous version of 6.x to Perceptive Content 7.1.x. Read this file before you update ImageNow Server, clients, agents, database, and extensions.

Note This document does not provide information on performing a more significant upgrade from a version prior to 6.x. If you are attempting to upgrade from a version previous to 6.x, Lexmark Enterprise Software recommends you arrange a managed upgrade. For more information, contact your account representative.

Prepare for the update

Complete backups of all ImageNow Server data before beginning any update installation. Neither Lexmark Enterprises Software, nor any of its authorized resellers are responsible for lost data caused by the update procedure described in this document.

Before updating your ImageNow system, verify that your system matches the requirements listed in the Technical Specifications.

Special considerations

Before you perform an update of your ImageNow system, make sure that you keep in mind the considerations specific to your system configuration.

Active-Active

- In an active-active environment, there should only be one node instance per machine, spread across several machines. While the separate hardware devices have some shared file systems states, they are provided through third-party clustered file system products.

- If you are switching to an active-active server configuration during your 7.0 update, note that switching involves various considerations.

64-bit

- If you are switching to a 64-bit Perceptive Content Server machine during your 7.0 update, note that the switch to a 64-bit machine involves changing your operating system. For information about migrating Perceptive Content to this environment, refer to the *Moving Perceptive Content Server on Windows to 64-bit Best Practices* guide.

- Before you install WebNow or Forms Server, you must have your web application server, such as Apache Tomcat, installed. The version of the web application server (32 or 64-bit) must be compatible with the WebNow or Forms Server version (32 or 64-bit).

- Verify the compatibility of all of your applications and business applications with a 64-bit operating system before you install Perceptive Content.

Database

- Prior to ImageNow 6.7, the INOW6 database tables resided in the DBO schema. For new installations of Perceptive Content 7.0, the default database name is INOW and the tables reside in the INUSER schema. During an upgrade to Perceptive Content 7.0, all tables are transferred from the DBO schema to the INUSER schema. Any permissions that have been granted to the ImageNow tables, are lost during the transfer.

  Note This change also affects external systems that access the ImageNow database. If your users have hard-coded access to the ImageNow database tables using the OWNER.TABLE_NAME structure, you must change it when performing the update to 7.0.

- For Microsoft SQL databases, you must execute a command to grant permissions to the entire schema or multiple commands to grant permissions at the object level.

- To grant permissions to the entire schema, the following example shows the syntax structure used to grant permissions on the entire INUSER schema to a specific user:

  ```
  GRANT SELECT [INSERT, UPDATE, DELETE] ON SCHEMA :: inuser TO reports;
  ```

- A working statement is shown in the following.

  ```
  GRANT SELECT ON SCHEMA :: inuser TO reports;                          -- To Grant
  only SELECT privs on the entire INUSER schema to the reports user.
  GRANT SELECT, INSERT, UPDATE, DELETE ON SCHEMA :: inuser TO reports;   -- To Grant
  FULL privs on the entire INUSER schema to the reports user.
  ```

- For Oracle databases, the INUSER user needs the execute privilege on the DBMS_RANDOM package. Before running the database incremental script, you must connect to the INOW6 database as SYS and execute the statement to grant the execute permission:

  ```
   SQL> grant execute on DBMS_RANDOM to inuser;
  ```

  The incremental will not complete without this.

- Starting in version 6.7.0.2787, the INEMUSER schema was added to the database to hold the IN_EXTERN_MSG_SEQ table. This isolates the table from the rest of the INUSER schema. For SQL Server, the INEMUSER schema is owned by the INUSER user and has full privileges on the schema. For Oracle, in addition to the IN_EXTERN_MSG_SEQ table, there is also a sequence and a trigger that are created in the INEMUSER schema that is used for populating the table with sequential numbers. For Oracle, privileges should be granted on the INEMUSER objects to the INUSER user. If any database backup or replication jobs are schema based, they should be modified to include the INEMUSER schema.

Digital Signatures

- If the system has been upgraded from a previous version of ImageNow to Perceptive Content 7.x, you must create a new Digital ID and password to apply digital signatures. Digital signatures applied to documents in ImageNow 6.6 or 6.7 appear correctly on the pertinent documents. However, to apply any new digital signatures in the Perceptive Content 7.x system, all users are prompted to create a new Digital ID.

- When ImageNow Server 6.8, 7.0, or 7.1 has been migrated from a Windows server to Unix you must execute the `intool -cmd expire-digital-ids` command to immediately expire all active Digital IDs. Execute the `inUpgradeutil upgrade-digsig-version` command when updating the database to enable use of digital signatures on the system administered from a Unix server.

Integration Server

- Starting with Perceptive Content, version 7.0.x and higher, you must install Perceptive Integration Server as part of the Business Insight product suite.

Message Queuing Agent

The 7.1.5.x release removed Message Queuing Agent. This includes the removal of the following items.

- inserverMQ.exe on Windows

- inserverMQ on Linux

- inserverMQ.ini file

- IN_MESSAGE database table

- IN_MESSAGE_QUEUE database table

- IN_MESSAGE_QUEUE_MASTER database table

RabbitMQ and Erlang

- Perceptive Content Server and all Perceptive agents, versions 7.1.4.x and higher, depend on RabbitMQ, a third-party message queuing broker. RabbitMQ is an open source software that requires Erlang, a programming language. You must download and install the supported versions of both products prior to upgrading to Perceptive Content 7.1.4.x. See the RabbitMQ website for more information, and to download and install the product. For further considerations, see the following list.

  Important Prior to installing RabbitMQ and Erlang, review the Perceptive Content Server > Message Queuing specifications in the 7.1.x and higher *Perceptive Content Technical Specifications* for the supported versions of both products.

  - Perceptive Content relies on the AMQP 0.9.1 protocol from RabbitMQ, which is enabled by default.

  - When utilizing Active-Active mode for Perceptive Content, you must configure multiple cluster nodes of RabbitMQ to achieve high availability for the system. For more information, see the RabbitMQ Clustering Guide.

  - You are not required to share the same operating system or host machine for Perceptive Content and RabbitMQ. We recommend separate resources for RabbitMQ cluster nodes for the best high-availability and workload balancing.

  - You must configure RabbitMQ for privacy over data connections. For more information, see the RabbitMQ Configuration Guide.

- Eight new server settings were added to the Message Queuing group in the inow.ini configuration file in Perceptive Content version 7.1.4, and seven new client settings were added to the group in version 7.1.5. On Windows, prompts allow you to update these settings during the upgrade. On Linux, you must update the inow.ini file manually. For more information on the new settings, see the "inow.ini [Message Queuing] settings" topic of Manage Content help. For information on updating the inow.ini file on Linux, see the *Perceptive Content Server Installation and Setup Guide*.

- Two new inUpgradeUtil commands were added to Perceptive Content, version 7.1.5.x: inUpgradeUtil process-jobs-invalid-state and inUpgradeUtil republish-jobs. The inUpgradeUtil process-jobs-invalid-state command scans the job tables and identifies jobs held in an invalid state. The jobs are marked as completed with an error status. The inUpgradeUtil republish-jobs command scans the job tables and identified jobs that have not started. These jobs are published using the new message queuing

system and then processed by the appropriate agent. Note that the Windows and Linux install scripts run these commands as part of the upgrade process.

Note For more information on RabbitMQ, visit the RabbitMQ documentation site.

Windows operating systems

- When you update your ImageNow system on Windows, perform the update steps with the administrator user account used when ImageNow was originally installed. If this account is no longer available, and you licensed your version of ImageNow per machine rather than per user, you can use a local administrator account.

Update ImageNow Server

This release contains updates to the ImageNow Server on Windows or UNIX running an external SQL database, such as Oracle or Microsoft SQL. Follow the steps in the procedure below that describes your environment and DBMS.

Note Before beginning an update of your ImageNow Server, perform a backup of your database. For more information on backing up a database, refer to the *Perceptive Content Best Practices for <database>* document.

Update ImageNow Server on Windows

To update ImageNow Server 6.x to Perceptive Content Server 7.0 on a Windows operating system, complete the following procedures.

1. Perform a backup of your database.
2. Verify your ImageNow Version.
3. Reset working workflow items.
4. Stop ImageNow services.
5. Back-up your settings.
6. Download updated files.
7. Update the SQL or Oracle database.
8. Update the ImageNow Server.
9. Verify your Perceptive Content database.

Verify your ImageNow version

Before you begin your update, verify your current version of ImageNow. To look up this information, view the properties for the inserver.exe file.

To perform this procedure in Windows 7, complete the following steps.

1. In Windows Explorer, navigate to the inserver.exe file. The default location for this file is *[drive]*:**\inserver\b**in.
2. Right-click **inserver.exe** and select **Properties**.
3. In the **Properties** dialog box, click the **Details** tab to view the file version.

Reset workflow items

Before you stop your ImageNow services, to reset any workflow items in a working state, you must run the following command:

```
intool --cmd reset-item-status
```

Stop ImageNow services

To update your system, you must stop the ImageNow services. The Perceptive Content Server installation wizard automatically stops the ImageNow services, but you can also complete the following steps to stop all services manually.

Note Close all services and client connections before you stop INServer, including any remote agents.

1. Open the **Services** dialog box.

   - In Windows 7, to locate the **Services** dialog box, from the **Control Panel**, click **Administrative Tools**, and then click **Services**.

2. Right-click each ImageNow service and click **Stop**.

Back up your settings

When performing an upgrade, the system automatically retains your customized settings in the INI files. However, we recommend backing up these files as a safety precaution to ensure you retain your unique customizations. Complete the following action:

- Copy your INI files to a directory other than inserver, for example c:\tmp.

Download updated files

To update your ImageNow build, you must download the updated version for the Perceptive Content Server, Perceptive Content Client, database incremental files, and any additional agents that comprise your ImageNow suite. To download the updates, complete the following steps.

1. Go to www.perceptivesoftware.com, click **Customer Portal**, and then click **Downloads**.

2. Search for the Perceptive Content Server, Perceptive Content Client, and incremental files for the 7.0 version.

3. Optional. Search for and save the files for any additional agents that are relevant to your ImageNow configuration.

Update the SQL or Oracle database

You must run the appropriate incremental files for your database application and the current version of Perceptive Content Server. Follow the instructions appropriate for your RDBMS for running an incremental database upgrade script. A qualified DBA should perform this action. For more information on best practices for you database, refer to the *Perceptive Content Best Practices for <database>*.

Note If you are updating an Oracle database you may choose to delete and temporarily disable the Oracle recycle bin prior to running the upgrade script. This prevents potential errors related to objects that exist in the recycle bin.

1. Click **Start**, and then click **Run**.

2. In the **Run** dialog box, type **cmd** and then click **OK**.

3. In the **Command Prompt** window, change to the **[*drive:*]\inserver\bin** directory.

4. Run the following INTool command to view the incremental version of the database you are running:

```
intool --cmd get-db-version
```

5. In the **Perceptive Content Server *<database type>* DB Creation and Updates Scripts Build *<build number>*** file, apply each incremental file individually <u>in order</u> from the current version of your database to the latest incremental.

   Note Incremental-SS_6.6_to_6.7.0.2222.sql and later incrementals put the INOW6 database in SINGLE_USER mode while Snapshot Isolation and Row Versioning are enabled. The current upgrade connection remains active. The system stops, rolls back, and then disconnects any other connections to the database to complete the READ_COMMITED_SNAPSHOT command. The system returns the database to MULTI_USER mode and executes the rest of the script.

Remove INUSER schema sysadmin server role

Important Complete the steps in this section prior to updating the ImageNow Server.

In Perceptive Content Server 7.0, all Perceptive Content tables and indexes reside in the INUSER schema. You must ensure that the INUSER schema does not have the sysadmin server role granted to it. If the INUSER schema has the sysadmin server role, this role sets the default schema as the database owner instead of the INUSER schema. As a result, Perceptive Content Server might not start, and connections to the INOW6 database cannot query the Perceptive Content tables. To remove the INUSER schema sysadmin server role, complete the following steps.

1. Open **SQL Server Management Studio**.

2. Connect to the server hosting the SQL Server instance that contains the INOW6 database.

3. In **Object Explorer**, expand **Security**, and then expand **Logins**.

4. Right-click **inuser**, and then click **Properties**.

5. On the **Login Properties – inuser** dialog box, click **Server Roles**.

6. In the **Server roles** area, uncheck **sysadmin**.

7. Click **OK**.

8. Close **SQL Server Management Studio**.

Update the ImageNow Server

Complete the following steps to update the ImageNow Server. For more detailed information about installing the Perceptive Content Server, refer to the *Perceptive Content Server Installation and Configuration Guide*.

1. Double-click the **Perceptive Content Server *<64 or 32-bit>* for MSSQL** and **Oracle *<patch number>*** file to run the Perceptive Content Server installer.

   Notes

   - If you have User Account Control (UAC) with your Windows operating system, right-click the installer and select **Run as Administrator**.

   - During this installation, a message appears to inform you that this is an update. If you do not receive this message, stop the installation and verify that you are logged on as the same Administrator user account used when ImageNow was originally installed.

2. Compare the previous INI files from your backup copy of the **/inserver/etc** directory with the new INI files in **/inserver/etc**. The Windows installer automatically adapts your previous settings to the new settings; however, the installer overwrites any custom comments, settings, or notes that you might have previously added. Alter the new INI files in **/inserver/etc** as needed.

Verify your ImageNow database

Before proceeding, use the following procedure to verify your ImageNow database. The INTool command you run in this procedure displays any differences between the latest version of the Perceptive Content database and the version of ImageNow you are currently using.

1. Click **Start**, and then click **Run**.

2. In the **Run** dialog box, type `cmd` and then click **OK**.

3. In the **Command Prompt** window, change to the **[*drive*:]\inserver\bin** directory.

4. Enter the following command at the prompt.

```
intool --cmd db-schema-validation
```

Text describing the validation appears on the screen. If you see the message: **Database validated. No inconsistencies detected**, your database is aligned and you do not need to do anything further to update the database. If you get any other message, contact Product Support and provide them with a copy of any message you received.

Update ImageNow Server on UNIX

Perform the steps in this section to update ImageNow Server 6.x to Perceptive Content 7.0 on a UNIX operating system. Before you begin, verify the version of ImageNow that you are running.

Note Before beginning an update of your ImageNow Server, perform a backup of your database. For more information on backing up a database, refer to the *ImageNow Best Practices for <database>* document.

1. Perform a backup of your database.

2. Reset working workflow items.

3. Stop ImageNow services.

4. Back-up your settings.

5. Update the ImageNow Server.

6. Update the ImageNow Database.

7. Restart the Perceptive Content Services.

8. Verify your Perceptive Content database.

Reset workflow items

Before you stop your ImageNow services, to reset any workflow items in a working state, you must run the following command.

```
./intool --cmd reset-item-status
```

Stop ImageNow services

From /inserver/bin, stop all ImageNow services. All services and client connections must be closed before inserver is stopped, including any remote agents.

1. To determine which services are running, enter the following information.

```
./inserver -s
```

2. To stop all services, enter the following information.

```
./<agent name> -k
```

Note After you have completed an upgrade to 7.0, you can use the following command to stop all running services.

```
./inserver -ka
```

Back up your settings

Back up your configuration files to ensure you retain your unique customizations.

- Perform the following action to copy the contents of /inserver/bin and /inserver/etc directory to a backup directory.

```
cp -R /inserver /<path to backup directory>
```

Update the ImageNow Server

Complete the following steps to update the ImageNow Server. For more information about installing the Perceptive Content Server, refer to the *Perceptive Content Server Installation and Configuration Guide*.

1. Use the **mv** command to move the **ImageNowServer-ExternalDB_BUILD#.tar.gz** file to the /**inserver** directory.

2. From **/inserver**, unzip and tar the installer file.

```
gunzip ImageNowServer-ExternalDB_BUILD#.tar.gz
tar -xvf ImageNowServer-ExternalDB_BUILD#.tar
```

3. From the **inserver** directory, issue the following command to change ownership.

```
chown -R root:bin *
```

4. Compare the previous INI files from your backup copy of the **/inserver/etc** directory with the new INI files in **/inserver/etc**.

Update the ImageNow Database

Run the appropriate DDL script for your database application. Follow the instructions appropriate for your RDBMS for running an incremental database upgrade script. This should be performed by a qualified DBA. Apply each incremental file individually in order from the current version of your database to the most updated incremental.

1. From the **/inserver/etc directory**, configure the odbc.ini file and the odbc section of the inow.ini file. Make sure you supply the same name for the protocol name in both INI files. Supply your install directory, database name, and host name to replace the following text shown in blue.

Update the **odbc.ini** file.

```
[ODBC Data Sources]
ImageNow=DataDirect 7.0 SQL Server Wire Protocol
```

```
[ImageNow]
Driver=[INSTALL_DIR]/odbc/lib/IUmsss24.so
Description=ImageNow
Database=[db name]
LogonID=inuser
Password=imagenow
Address=[sqlserverhost name],1433
QuotedId=No
AnsiNPW=No

[ODBC]
Trace=0
TraceFile=[INSTALL_DIR]/log/odbctrace.out
TraceDll=[INSTALL_DIR]/odbc/lib/odbctrac.so
InstallDir=[INSTALL_DIR]/odbc
ConversionTableLocation=[INSTALL_DIR]/odbc/tables
UseCursorLib=0
```

2. Update the odbc section of **inow.ini** file.

```
[ODBC]
odbc.dbms=SQLServer
odbc.dsn=ImageNow
odbc.userid=inuser
odbc.password=jnbhfopx
odbc.use_dddriver=TRUE
```

3. Set up key environment variables by sourcing the **setenv.sh** script from the **/inserver/bin** directory.

    Note This step is necessary every time a new login session is established.

    ```
    . ./setenv.sh
    ```

4. Run the **upgrade_from_x.x.sh** file depending on the version you currently have installed.

    ```
    ./upgrade_from_x.x.sh
    ```

5. If the system has been migrated from Windows to Unix run `inUpgradeUtil upgrade-digsig-version` and `intool –cmd expire digital-ids`.

6. Review the update log. This file is located in **/inserver/log** directory and is named **intool_Primary_<date>.log**. The log contains the changes performed by the update steps. Verify that no errors are listed.

Install Linux library files

For Linux, you must install the library files specified in this section.

Download UNIX supporting files

1. Go to www.perceptivesoftware.com, click **Customer Portal**, and then click **Downloads**.

2. In the **Downloads** page, in the right pane, in the **Content** section, click the **Clear Search** link.

3. In the **Downloads** page, in the left pane:

4. Expand **Platform** and select your UNIX platform.

5. Expand **Product Release** and select **7.0**.

6. In the **Downloads** page, in the right pane, select the check box that contains the link for Linux Supporting Files.

7. Click the **Download** button and save the files to a temporary directory on your computer.

Install library files

1. Navigate to the best location for your server computer to place the files from the downloaded TAR file. This directory is referenced as *<library_dir>* in the remaining steps.

   - If you have enough space, the easiest directory in which to place these files is **/usr/local/**. If you use this directory, you do not need to create a symbolic link.

   - If you do not have enough space in the recommended location, then create a subdirectory for these files under the directory you created in the first step.

   - You can use any directory location if you have other server considerations.

2. Navigate to the directory you determined in the previous step. Create a directory on your UNIX server to store the additional libraries required for Perceptive Content Server to operate properly by entering the following command, replacing *<library_dir>* with the directory name you want you want to use:

   ```
   mkdir <library_dir>
   ```

3. Copy the downloaded TAR file to the new directory. To unzip the file, navigate to the *<library_dir>* directory, and then type **gzip –d *<filename>*.tar.gz**, and then type **tar -xvf *<filename>*.tar**, replacing *<filename>* with the name you supplied during the download. The extracted files and sub-directories appear in *<library_dir>*.

4. If you did not use the recommended directory of **/usr/local/** from previous steps, create a symbolic link from **/usr/local/waspc6.5** to ***<library_dir>*/waspc6.5** by entering the following information.

   ```
   ln -s <library_dir>/waspc6.5 /usr/local/waspc6.5
   ```

Verify your ImageNow database

Before proceeding, use the following procedure to verify your ImageNow database. The INTool command you run in this procedure displays any differences between the latest version of the Perceptive Content database and the version of ImageNow you are currently using.

1. Click **Start**, and then click **Run**.

2. In the **Run** dialog box, type **cmd** and then click **OK**.

3. In the **Command Prompt** window, change to the **$IMAGENOWDIR6/bin** directory.

4. Enter the following command at the prompt.

   ```
   intool --cmd db-schema-validation
   ```

Test describing the validation appears on the screen. If you see the message: **Database validated. No inconsistencies detected**, your database is aligned and you do not need to do anything further to update the database. If you get any other message, contact Product Support and provide them with a copy of any message you received.

Restart the Perceptive Content Services

- Start Perceptive Content services by running **`pwd`/service_name** for all services in the **/inserver/bin** directory.

   ```
   `pwd`/inserver -start
   ```

```
`pwd`/inserverBatch -start
`pwd`/inserverAlarm -start
`pwd`/inserverJob -start
```

Obtain updated license files

To obtain the hardware information for the Perceptive Content Server, you must be the admin user on Windows. When you update ImageNow 6.x to Perceptive Content 7.0.x, you need to acquire updated licenses, but do not need to purchase new licenses unless you purchase additional products.

1. Start Perceptive Content Server. If you have an active-active setup, you must start all instances of Perceptive Content Server on all nodes.

2. To generate a system fingerprint using Perceptive Content Management Console, complete the following substeps.

   1. Click **Start** and select **All Programs** > **Perceptive Content** > **Perceptive Content Management Console**.

   2. In the **Login** page, click **License Manager**.

   3. In the **License Management** dialog box, select **Save system fingerprint** and click **OK**.

   4. In the **Save As** dialog box, enter a name for the file and then navigate to the location where you want to save the report. Click **Save**.

3. To generate a system fingerprint using INTool, complete the following steps:

   1. Click **Start**, and then click **Run**.

   2. In the **Run** dialog box, type **cmd** and then click **OK**.

   3. In the **Command Prompt** window, change to the **[*drive*:]\inserver\bin** directory.

   4. Enter the following command at the prompt.

      ```
      intool --cmd license-sysfp
      ```

   5. The file is saved with an SYSFP extension in the **[*drive*:]\inserver\bin** directory.

4. Contact your Enterprise Software representative for instructions on where to send the system fingerprint file to obtain your license. The system fingerprint file has an SYSFP extension.

5. When you receive the license files, store the license files in a temporary directory on the Perceptive Content Server computer.

Install Updated Perceptive Content product licenses

Before entering your licenses, you must have installed the Perceptive Content Server and at least one Perceptive Content Client. You must have Service Administrator privileges to install Perceptive Content licenses. The Perceptive Content Client must be available on a Windows machine to install the Perceptive Content product licenses.

1. When you receive the license files from your Enterprise Software representative, copy them to a temporary folder where you can access them with the Perceptive Content Client.

2. To upload licenses, complete the following substeps.

   1. Click **Start** and select **All Programs** > **Perceptive Content**.

   2. In the login page, click **License Manager**.

   3. In the **License Management** dialog box, select **Upload Licenses** and click **OK**.

4. Navigate to the folder where the Perceptive Content license files are stored, select the LIC files to upload, and click **Open**.

5. Enter the **User Name**, **Password**, and **Server Location** and click **OK**.

6. Optional. The License Upload dialog box lets you view the type name, actual license code, and status of each license upload. To display detailed information for a specific license, select the appropriate row.

3. Click **OK**.

Upgrade roles and privileges

When you update to Perceptive Content 7.0.x, users with the owner or manager roles are assigned new user roles and privileges to preserve their former capabilities in the new environment. The following user roles and privileges are assigned during an upgrade.

6.3.x-6.7.x Role	7.0.x Role and Privilege Set
Owner user or manager user	Perceptive Manager Department Manager of the Default department All Global privileges The ability to override private documents in the Client, normally granted in INTool.

When a user becomes a Perceptive Manager because of the upgrade to version 7.0.x, the user gains access to most of the privileges in the system. When you demote a Perceptive Manager, that user only loses the manager privileges in the global privilege category, while the other global privileges assigned during the upgrade remain active. Therefore, if you demote a Perceptive Manager after upgrade, you may need to disable several privileges manually that were assigned to that user.

Migration functionality is enabled for Perceptive Managers by default. You can disable migration for all users using an INTool command.

In Perceptive Content 7.0.x, the User Security privilege was removed. This privilege is now split into several privileges that grant users the ability to assign specific categories of privileges to users and groups. This split allows for more flexibility in the security capabilities granted to users in your organization. In addition, the Groups privilege, from the manage section of the global privilege category, no longer grants the ability to assign any privilege to groups, but instead only grants the ability to create a group and modify the members of a group. All users and groups with the Groups privilege in your prior version of Perceptive Content retain that privilege during upgrade, but you must assign additional privileges to the users and groups to reinstate their former ability to assign privileges to groups.

The system automatically generates a text report in the etc directory of your server, displaying the users and groups who had the User Security privilege and Groups privilege granted or denied in your prior version of Perceptive Content.

Changes were also made to batch processing privileges. The **Drawer > Batch (Proposed Key) > Process** privilege is now required for batch processing and must be granted to users manually after you upgrade.

We recommend you reassign privileges and user roles after you upgrade to 7.0.x. For more information, refer to *Department Administration Best Practices 7.0.x*.

Update Agents

You can update your agents using the procedures described in the installation guides provided for each agent. When you update an agent, run the same steps as if you are installing a new version. The installation wizard detects the update and installs the product accordingly. Review the product readme for information about enhancements and changes that apply to specific agents. The agents listed in the following sections in this guide require additional steps.

Update ImageNow Client

Refer to the *Perceptive Content Server and Client Installation Guide* for information about running the installation wizard to update your Perceptive Content Clients. When you update the Perceptive Client, run the same steps as if you are installing a new version. The installation wizard detects the update and installs the product accordingly.

You can update the Perceptive Client several different ways, including installing the client directly, using the automatic updater, or PEDS. To use the automatic updater, refer to the "auto update" readme file. For more information on PEDS, refer to the *Perceptive Enterprise Deployment Suite Installation Instructions*. Review the product readme for information about enhancements and changes for Perceptive Content Client.

Notes

- In previous versions of ImageNow, you used the Automatic Updater. In Perceptive Content 7.0.x, this functionality was replaced with PEDS.

- In previous versions of ImageNow, you used the ImageNow Server Administrator (ISA) to perform diagnostic tasks. In Perceptive Content 7.0.x, this general functionality was included in the Diagnostics tab in Management Console.

All existing ImageNow Client tokens are invalidated during the upgrade, and new tokens are generated as each Perceptive Content Client connects to the server.

Update WebNow

Review the product readme for information about enhancements and changes for WebNow.

Important Refer to the *Perceptive Content Technical Specifications* guide for system requirements.

To upgrade an existing version of WebNow with the latest version, complete the following steps.

1. Stop the web application server.

   If you are running Tomcat, remove all files from the jsp folder, which removes the jsp cache so that WebNow runs properly. The Tomcat files are located at the **[path]/${TOMCAT_HOME}/work/Catalina/localhost/webnow/org/apache/jsp**.

2. Back up the entire **/webnow** folder. For example, on Tomcat, back up the **[path]/${TOMCAT_HOME}/webapps/webnow** directory. You do not need to back up **/work/Catalina/localhost/webnow**.

3. If you are running the Tomcat web application server, delete the **[path]/${TOMCAT_HOME}/work/Catalina/localhost/webnow** directory.

4. If you used the Windows installer to install WebNow, uninstall it.

5. Download the WAR file as shown in the following table.

Web Server	File to download	Location to extract
WebLogic (Windows)	weblogic-webnow.war	/bea/user_projects/domains/mydomain /applications/webnow folder.
WebLogic (UNIX)	weblogic-webnow.war	Using the jar utility that comes with the Java SDK, extract weblogic-webnow.war to the ${WL_HOME}/server/bin/applications/webnow folder.
WebSphere	websphere-webnow.war	The web application server automatically extracts the websphere-webnow.war file.
Tomcat	tomcat-webnow.war	$TOMCAT_HOME/webapps folder.

6. Rename the WAR file to **webnow.war**.

7. Extract the **webnow.war** file as appropriate for your web application server. For example, in Tomcat, start your web application server to extract the WAR file. For more information about extracting the WAR file in your web application server, refer to the *WebNow Installation Guide*.

8. For upgrades from version 6.4.x to later versions, copy the **Properties** folder from your backup to **[path]/${TOMCAT_HOME}/webnow/properties**. The **Properties** folder contains user preferences and user queries.

9. Configure your settings using one of the following actions.

   - For upgrades from version 6.2.x or earlier, compare the **web.xml** file in your backup to the new **WebNow.settings** file and copy the settings from the older file to the new one if necessary.

   - For upgrades from version 6.3.x, compare the **WebNow.settings** file in your backup to the new **WebNow.settings** file and copy the settings from the older file to the new one if necessary.

10. Restart the web application server.

11. After verifying that WebNow is deployed, you can safely remove the backup directory as needed.

Update Perceptive Content Forms Server

Review the product readme for information about enhancements and changes for Forms Server.

Important Refer to the *Perceptive Content Technical Specifications* guide for system requirements.

Important When you perform an upgrade from an older version to a newer version number, Enterprise Software recommends testing forms in a test environment before implementing in a production environment. Version 6.5 and above includes enhanced features that make this testing step mandatory if you created worksheets or forms on any previous versions. If an error occurs on the form, contact Product Support.

To upgrade an existing version of Forms Server to the latest version, complete the following steps.

1. Stop Tomcat.

2. Back up the entire **[path]/${TOMCAT_HOME}/webapps/imagenowforms** folder. You do not need to back up **[path]/${TOMCAT_HOME}/work/Catalina/localhost/imagenowforms**.

3. Delete the **[path]/${TOMCAT_HOME}/work/Catalina/localhost/imagenowforms** directory.

4. If you used the Windows installer to install Forms Server, uninstall it.

5. Download the WAR file.

6. Place the **psw-content-forms-server.war** file into **[path]/${TOMCAT_HOME}/webapps/**.

7. Start Tomcat to extract the WAR file.

8. Optional. When upgrading, to ensure legacy URLs persist, rename the **psw-content-forms-server** directory to **imagenowforms**.

9. Compare the **WEB-INF/imagenowforms.settings** file in your backup to the new **WEB-INF/imagenowforms.settings** file and copy the settings from the older file to the new one, if necessary.

10. Under the **Application server settings** section, in the **integration-server-path** setting, enter the full path to Integration Server.

11. If you updated Forms Server from version 6.4.x to 7.1.x, you must move the **imagenowforms.xml** file from your backup to the **${IMAGENOWDIR6}/etc** directory.

12. Restart Tomcat.

13. After verifying that Forms Server is deployed, you can safely remove the backup directory as needed.

Note For more information about extracting the WAR file in Tomcat, or information regarding communication between Forms Server and Integration Server, refer to the *Forms Server Installation and Setup Guide 7.1.x.*

Update Integration Server

Review the product readme for information about enhancements and changes for Perceptive Integration Server.

Important Refer to the *Perceptive Content Technical Specifications* guide for system requirements.

To upgrade an existing version of Integration Server to the latest version, complete the following steps.

1. Stop Tomcat.

2. Back up the entire **[path]/${TOMCAT_HOME}/webapps /integrationserver** folder. You do not need to back up **[path]/${TOMCAT_HOME}/work/Catalina/localhost/integrationserver**.

3. Delete the **[path]/${TOMCAT_HOME}/work/Catalina/localhost/integrationserver** directory.

4. If you used the Windows installer to install Integration Server, uninstall it.

5. Download the WAR file.

6. Place the **integrationserver.war** file into **[path]/${TOMCAT_HOME}/webapps /**.

7. Start Tomcat to extract the WAR file. For more information about extracting the WAR file in Tomcat, refer to the *Integration Server Installation Guide*.

8. Compare the **WEB-INF/integrationserver.ini** file in your backup to the new **WEB-INF/integrationserver.ini** file and copy the settings from the older file to the new one if necessary.

9. Restart Tomcat.

10. After verifying that Integration Server is deployed, you can safely remove the backup directory as needed.

Update Business Insight

Review the product readme for information about enhancements and changes for Business Insight. For installation information, refer to the *Business Insight Installation Guide* located at www.perceptivesoftware.com. Business Insight 7.1.x is only compatible with Perceptive Content Server 7.1.x.

Note Reports generated through the Report from View feature are not guaranteed to work after an upgrade, and will break with a breaking schema change as they are generated using direct SQL.

Updates from 6.x to 7.0

Refer to the following information upgrading ImageNow, version 6.x, to Perceptive Content, version 7.0.

- Upgrade IBM Cognos server from 8.4.1 FP2 to 10.2.1 FPI.

- Cognos authentication is done through Perceptive Integration Server. No license is required.

Note The data source label changes from INOW6 to INOW as part of the upgrade. If you have created a custom report in a previous version of Business Insight using custom SQL or the Create Report from View option, the updated data source name may cause an error when you attempt to run the imported report. To correct this, open the report, go to the query, and point the query to the correct data source name, INOW.

Updates from 7.0 to 7.1

Refer to the following information when upgrading Perceptive Content from version 7.0 to version 7.1.

- Direct user name access to the Cognos Connection Portal.

- The Reports section of Management Console has been removed. Reports from View are retained in the View section of Management Console.

- Cognos Mobile is available with this version.

Note The Manage Reports privilege has changed starting in 7.1.0. Perceptive Managers can grant the Reports View privilege to give Content client access. Report Managers no longer implicitly have View and Run access to all reports. These kinds of privileges should be granted directly through Cognos.

Upgrade to Business Insight 7.1

To upgrade an existing version of Business Insight with the latest version, complete the following procedures on the computer where Business Insight is installed. Before you begin, create a backup of your content store. If you are going to install a newer version of Cognos on the same machine as your existing version, either shutdown your legacy system or adjust the port settings to avoid port conflicts.

There are two options for upgrading Cognos. If you are running incrementals on your INOW database such that all User IDs are retained, you will want to upgrade the existing content store. This will retain all reports and report permissions. If during the upgrade your User IDs will change, a better option is to start from a new content store and import any reports you want to keep from your legacy system.

Upgrade an existing content store

Upgrading an existing content store is the easiest and most effective way to upgrade Cognos while ensuring that all permissions are retained.

1. Download the 7.1 setup kit to a temporary directory.

2. To install the 7.1 version of Business Insight, complete the following substeps.

    1. Open the 7.1 setup kit and double-click the **ImageNowBI_Setup.exe** file.

    2. Run the installer according to your operating system and DBMS. Refer to the Business Insight Installation Guide for more information.

    3. If you use an Oracle DBMS for ImageNow, complete the following steps.

        1. In the **Installation Wizard Completed** page, clear the **Launch Business Insight Configuration** check box and then click **Finish**.

        2. Copy the **ODBC.jar** file from the legacy system to your new *<install_dir>*\webapps\p2pd\WEB-INF\lib directory.

    4. Configure the Internet Information Services (IIS) Gateway for your new installation as described in the *Business Insight Installation Guide*.

    5. If the Perceptive Full Text Agent (formerly Content Server) is located on another machine, run the INTool commands to update the database enumerations and populate the calendar table.

3. Access the **Business Insight Configuration** program and adjust the content store setting to point to your existing content store.

    1. Select **Data_Access > Content Manager > Content Store**.

    2. Adjust the information to point to your existing content store.

4. Within the **Business Insight Configuration** program, click the **Start** button to start the service.

5. When prompted, upgrade your existing reports to the latest report specification.

6. Cognos should now be running, and all reports should be upgraded.

7. Access the ***<install_dir>*\bin\utilities\biintegrator** directory and run the Business Insight integration utility to configure the new environment and to import new versions of the reports.

Upgrade to a new content store

If you want to upgrade using a fresh content store, install Business Insight according to the Business Insight Installation Guide. You will export specific report folders from your legacy system and import them into your new one. These steps will guide you through exporting and importing folders into IBM Cognos.

Export reports from legacy Cognos

1. Open an Internet Explorer web browser and access the following URL, where [*host name*] represents the name of the Business Insight server computer.

    ```
    http://[host name]/cognos8
    ```

2. Log in to the web interface.

3. Since you can only export folders and not individual reports, create a new folder under **Public Folders** and copy every report you want to export into that folder before you proceed.

4. From the **Launch** menu, select **IBM Cognos Administration**.

5. On the **Configuration** tab, in the left pane, click **Content Administration**.

6. In the **Administration** toolbar, click **New Export** and complete the following substeps.

    1. Enter a name, an optional description, and a screen tip for the report library archive and click **Next**.

    2. Under **Deployment** method, click **Select public folders**, directory and library content and click Next.

    3. Under Public folders, directory and library content, click **Add**.

    4. Under **Public Folders**, select the directory created above that you want to export and click the arrow button to move it to the **Selected entries**, then click **OK**.

    5. Optional. If you want to keep the saved output, run history, or schedules associated with the selected reports, check the appropriate option under **Options**. Click **Next**.

    6. On the **Select the directory content – New Export** wizard page, leave the options unchecked and click **Next**.

    7. On the **Specify the general options – New Export** wizard page, leave the default items selected and click **Next**.

    8. Under **New archive**, verify the name of the archive.

    9. Optional. To password protect the archive, select the **Encrypt the content of the archive** check box and click **Next**.

    10. If you opted to password protect the archive, enter the encryption password and then click **OK**.

    11. Verify the export details and then click **Next**.

    12. Under **Action**, select **Save** and run once and then click **Finish**.

    13. Verify the export details and then click **Run**.

    14. Click **OK**.

7. The archive is exported to the **[*drive:*]/Program Files/Cognos/c8/deployment** directory.

Import legacy reports archive

After your new Business Insight environment is set up and running, you can import your exported archive and access your custom reports.

1. Copy the exported archive from your legacy deployment directory and place it into the deployment directory of your new installation.

2. Log in to the new Cognos portal directly: http://[host_name]/ibmCognos.

3. Access the **Content Administration** page from **IBM Cognos Administration**.

4. Click the **New Import** button to create a new import job.

5. Select the exported archive from the list and click **Next**.

6. After you update the description information, click **Next**.

7. On the **Select the public folders and directory content – New Import** wizard page, select the folder you want to import and click **Next**.

8. Continue clicking **Next** until you reach the **Select an action – New Import** wizard page. Keep the default action of **Save and run once**, and click **Finish** to run the import job.

After the import has completed, return to your **Public Folder** to view the imported directory with your reports.

Copy and rename your data source for imported custom reports

When you upgrade to a new version, your custom reports are still configured to refer to the INOW6 data source. Because the data source name changed to INOW in version 7.0, you can create a copy of your data source labeled INOW6 to prevent the reports from breaking.

To create a copy of your data source labeled INOW6, complete the following steps.

1. Open the **Cognos Administration Portal**.

2. On the **Configuration** tab, in the left pane, click **Data Source Connections**.

3. In the right pane, for the **INOW** data source connection, under **Actions**, click **More**.

4. In the **Perform an action – INOW** screen, **click Copy**.

5. In the **Save as a copy** screen, in the **Name** field, type **INOW6**.

6. Click **OK**.

Your custom reports may still break, however, if there was a change to the model they were leveraging inside the report. To remedy the situation, you need to modify the report to refer to the INOW data source and update the usage of the model accordingly.

Update Fax Agent

To update Fax Agent, you must uninstall and reinstall in your environment. For more information on installing Fax Agent, refer to the *Perceptive Content Interact for Fax Agent Installation Guide* that is located on our website at www.perceptivesoftware.com.

When you update Fax Agent from a previous version, ensure you back up the btcall.cfg file and the callctrl.cfg file located in the inserver\brooktrout\config directory. Place these files in a temporary directory away from the inserver directory. Run the installer according to the steps in the Fax Agent Installation and Setup Guide. If the CFG files are missing, replace them with the files you backed up and place them in the inserver\brooktrout\config directory.

Update Output Agent

To update Output Agent on Windows, run the installer according to the Output Agent Installation and Setup Guide. To update Output Agent on UNIX, perform the following steps:

1. From **/inserver/bin**, stop the Output Agent service. To stop the services, enter the following information.

```
./inserverOutput –stop
```

2. Copy the inserverOutput.ini file from the /inserver/etc directory to a backup directory.

3. To download the latest version of Output Agent, perform the following substeps:

    1. Go to www.perceptivesoftware.com, click **Customer Portal**, and then click **Downloads**.

    2. In the **Downloads** page, in the right pane, in the **Content** section, click the **Clear Search** link.

    3. In the **Downloads** page, in the left pane:

        1. Expand **Platform** and select your UNIX platform (Linux).

        2. Expand **Product** and select **Output Agent**.

        3. Expand **Product Release** and select **7.0**.

    4. In the **Downloads** page, in the right pane, select the check boxes for the following files.

        - The latest build of the Output Agent, shown by the highest Build Number.

        - Linux Supporting Files.

    5. Click the **Download** button and then save the files to a temporary directory on your computer.

4. From /**inserver**, unzip and tar the **ImageNow_Output_Agent_VERSION#_BUILD#_for_PLATFORM** installer file.

```
gunzip ImageNow_Output_Agent_VERSION#_BUILD#_for_PLATFORM.tar.gz
tar –xvf ImageNow_Output_Agent_VERSION#_BUILD#_for_PLATFORM.tar
```

5. From the **inserver** directory, issue the following command to change ownership.

```
chown –R root:bin *
```

6. Compare the previous INI files from your backup copy of the **/inserver/etc** directory with the new INI files in **/inserver/etc**. The Windows installer automatically adapts your previous settings to the new settings; however, the installer overwrites any custom comments, settings, or notes that you might have added previously. Alter the new INI files in **/inserver/etc** as needed. These changes appear in the **Appendix B: INI Changes by Release** section of this document.

7. Start the Output Agent service by running `**pwd**`/**service_name -start** for all services in the **/inserver/bin** directory.

```
'pwd'/inserverOutput -start
```

Update Retention Agent

If you are upgrading your system to include a Retention license, the system may require you to start the Retention Agent service manually after installing the license.

To start the Retention Agent service manually, complete the following steps.

Note Close all services and client connections before you stop inserver, including any remote agents.

1. Open the **Services** dialog box.

    - In Windows 7, to locate the **Services** dialog box, from the **Control Panel**, click **Administrative Tools**, and then click **Services**.

2. Right-click the **Retention Agent** service and click **Start**.

Appendix A: Database Changes by Release

Use the following Appendix to understand the database changes required by each release. The incremental SQL scripts listed in the steps above perform these changes in your database. Carefully review the incremental database script for to understand the details of the changes.

Database Changes	Description of Changes
Incremental-801_TO_BUILD814	For all databases: IN_PROJ.PROJ_NAME is now varchar(128), up from varchar(40) IN_SUBOB_ANNOT_FONT.FONT_FACE_NAME is now varchar(40), up from varchar(16) For Oracle 9i and 10g: In addition to the two changes above, an Index Pack is part of the incremental that increases performance.

Incremental-814_TO_BUILD856	For all databases:
	
	There are several new indexes, and the columns listed below have increased in size:
	
	IN_SUBOB_ANNOT
	
	    ACTION_VALUE varchar2(768) (from varchar(40))
	
	IN_SUBOB_TEMPL_PROP
	
	    PROP_VALUE varchar2(768) (from varchar(256))
	
	IN_USR_KEY
	
	    ENC_PRIVATE_KEY varchar2(256) (from varchar(128))

Incremental-856_to_46	For all databases: IN_BATCH_PAGE.REQUIRES_FULL_REC --> SUBMIT_TO_CONTENT REMOVED IN_DOC.CONTENT_ID ADDED IN_DOC.CONTENT_STATUS NEW TABLE: IN_DOC_CONTENT
Incremental-6.1.0.46_to_6.1.0.75	For all databases: New Column: IN_SUBOB.COPYABLE New Column: IN_SUBOB_SIG.SID_ID Non-Required Column (now can be NULL): IN_SUBOB_SIG.SIG_IMAGE_ID New Column: IN_USR_PROC_CTRL.SESSION_ID

Incremental-6.1.0.75_to_6.1.0.110	For all databases: New Column: IN_ERM_DOC.ITEM_COUNT New Column: IN_LIC_OVERDRAFT.OVERDRAFT_NUM IN_SIG: Removed Column: IS_VOIDED New Column: SIG_STATUS New Column: SIG_STATUS_TIME Removed Column: VOID_TIME New Column: IN_WF_ITEM_QUEUE_HIST.VISIT_COUNT New Column: IN_WF_ITEM_QUEUE_HIST_ARCH.VISIT_COUNT
Incremental-6.1.0.110_to_6.1.0.138	For all databases: New Column: ITEMS_SKIPPED column to IN_UPGRADE_TABLE_STATS table New Index: IN_WF_ITEM
Incremental-6.1.0.138_to_6.1.0.192	For all databases: new table IN_EXTERN_MSG new table IN_EXTERN_MSG_PROP two new columns on IN_LIC table constraints/indexes on new tables altered column IN_DOC.CONTENT_STATUS to NOT NULL added table IN_FAX_RECIPIENT created index FAX_REC_IDX02 ON IN_FAX_RECIPIENT created index VERSION_IDX03 ON IN_VERSION created unique index WF_I_Q_H_A_IDX02 ON IN_WF_ITEM_QUEUE_HIST_ARCH modifying IN_SCRIPT.SCRIPT_NAME column to varchar(128) from varchar(40) created unique index WF_I_Q_H_A_IDX02 ON IN_WF_ITEM_QUEUE_HIST_ARCH modifying IN_SCRIPT.SCRIPT_NAME column to varchar(128) from varchar(40)

Incremental- 6.1.3.51_to_6.1.4.25	For all databases: added index DOC_IDX9 added index PROJ_IDX_09
Incremental- 6.1.4 INDEX PACK	For all databases: added index INST_PROP_IDX_03 added index INST_PROP_IDX_04
Incremental- SS_6.3.0.119_to_6.4.1.4.sql	New tables: INUSER.IN_LM_ELEMENT_MACRO, INUSER.IN_MACRO, INUSER.IN_MACRO_SETTING, INUSER.IN_USR_OOO_HIST, INUSER.IN_USR_OUT_OF_OFFICE, INUSER.IN_WF_COMMENT INUSER.IN_WF_CONTAINER, INUSER.IN_WF_ROUTE_DEST_CP Added new indexes and constraints for these new tables. Changes to INUSER: In IN_WF_ROUTE, renamed COLUMN IS_ACTIVE to IS_DEFAULT. In IN_RS_WS, added several columns. In IN_VIEW, added a DEFAULT_ACTION NUMBER column. In IN_WF_QUEUE_ATTR, added a Z_ORDER NUMBER column. In IN_WF_ROUTE_DEST, added a STYLE NUMBER column. In IN_TEMPLATE_SCRIPT, dropped the COLUMN SCRIPT_ID column. Dropped the USER_PROC_CT_IDX02 index. In IN_USR_PROC_CTRL, modified the IP_ADDR VARCHAR2 column. In IN_OUTPUT_PROFILE, renamed the XPKIN_OUTPUT_PROFILE constraint to XPKIN_OP. In IN_OUTPUT_PROFILE_EMAIL, renamed the XPKIN_OUTPUT_PROFILE_EMAIL constraint to XPKIN_OP_EMAIL. In IN_OUTPUT_PROFILE_FAX, renamed the XPKIN_OUTPUT_PROFILE_FAX constraint to XPKIN_OP_FAX. In IN_OUTPUT_PROFILE_FILE, renamed XPKIN_OUTPUT_PROFILE_FILE constraint to XPKIN_OP_FILE. In IN_OUTPUT_PROFILE_PRINTER renamed the XPKIN_OUTPUT_PROFILE_PRINTER constraint to XPKIN_OP_PRINTER. In IN_PROJ_TYPE_LIST, renamed the XPKIN_PROJ_TYPE_LIST constraint to XPKIN_PTL. In IN_PROJ_TYPE_LIST_MEMBER, renamed the XPKIN_PROJ_TYPE_LIST_MEMBER constraint to XPKIN_PTLM. In IN_TEMPLATE_SCRIPT, dropped the FK_TS_SCRIPT_ID constraint. Renamed the PROJ_TYPE_LIST_IDX02 index to PTL_IDX02.

Incremental-SS_6.3.0.119_to_6.4.1.4.sql	New tables:
	IN_APPROVAL, IN_APPROVAL_DEF, IN_APPROVAL_DEF_USR, IN_APPROVAL_RESPONSE, IN_CAPTURE_IP_FILTER, IN_CAPTURE_PROFILE,
	IN_CAPTURE_PROFILE_CLIENT, IN_CAPTURE_SOURCE, IN_CAPTURE_SOURCE_FILE, IN_CAPTURE_SOURCE_SCANNER, IN_CD_CLASS, IN_CD_RESULT, IN_CD_RUN, IN_CLASS_REL, IN_DEVICE_KOFAX, IN_DEVICE_PIXEL, IN_DEVICE_TWAIN, IN_IMAGE_PROC_FILTER, IN_IP_FILTER_PROP, IN_KOFAX_ADV_PROP, IN_NODE, IN_RT_ACTION_ACCESSION, IN_RT_ACTION_OFFLINE_TRANSFER, IN_RT_ACTION_ONLINE_TRANSFER, IN_RT_APPROVAL_DEF, IN_RT_AUTHORITY, IN_RT_HOLD, IN_RT_HOLD_APPROVAL, IN_RT_HOLD_COMMENT, IN_RT_HOLD_OBJ,IN_RT_HOLD_REASON, IN_RT_ITEM,IN_RT_ITEM_APPROVAL, IN_RT_OFFLINE_LOC, IN_RT_PATH, IN_RT_PATH_ITEM, IN_RT_PATH_QUEUE, IN_RT_PHASE,IN_RT_PHASE_QUEUE, IN_RT_POLICY, IN_RT_POLICY_AUTHORITY, IN_RT_POLICY_COMMENT, IN_RT_POLICY_OBJ, IN_RT_POLICY_OBJ_TYPE,
	IN_SCAN_DEVICE,IN_TIMING_DATA, IN_TIMING_PARAM, IN_TIMING_REPORT, IN_TIMING_SUMMARY, IN_USR_CAPTURE_PROFILE_PRIV, IN_USR_CAPTURE_SOURCE_PRIV,
	IN_VIEW_SUMMARY_COL, IN_WF_CONTENT_QUEUE, IN_INSTANCE_REL_TEMPTBL
	Added new indexes and constraints for these new tables.
	Removed an index in IN_PHSOB
	Altered tables in IN_CLASS, IN_DOC, IN_DOC_TYPE, IN_ELEMENT, IN_FOLDER,
	IN_PROJ, IN_PROJ_TYPE, IN_PROP, IN_TASK_TEMPLATE, IN_USR, IN_VIEW, IN_WF_CONTAINER, and IN_WF_QUEUE
	Created indexes in IN_DOC_TYPE,IN_PHSOB, IN_PROJ_TYPE, IN_PROP, and IN_USR

Incremental-6.4_to_6.5.0.xxx.sql	New tables:
	IN_ADDENDUM_TEMPLATE, IN_ADDENDUM_TEMPLATE_DATA, IN_APPROVAL_DEF_ENTITY, IN_APPROVAL_SET, IN_APPROVAL_SET_RESPONSE, IN_AUDIT, IN_AUDIT_CONDITION, IN_AUDIT_DETAIL, IN_AUDIT_OBJ, IN_AUDIT_TEMPLATE, IN_AUDIT_TEMPLATE_DRAWER, IN_AUDIT_TEMPLATE_ENTITY, IN_CALENDAR, IN_CD_FORM, IN_CD_PHSOB_FORM, IN_CONVERT_TABLE_STATS, IN_DEPT, IN_ENUM, IN_ENUM_VAL, IN_LM_SE_DATA, IN_PHSOB_CACHE, IN_RT_HOLD_HIST, IN_RT_HOLD_HIST_DETAIL, IN_RT_HOLD_RESOLVED, IN_RT_PATH_OBJ, IN_RT_PATH_OBJ_APPROVAL, IN_RT_PATH_TRIGGER, IN_RT_POLICY_ASSIGNMENT, IN_RT_POLICY_OBJ_QUAL, IN_RT_SET, IN_RT_SET_ITEM, IN_RT_TIME_PERIOD, IN_SC_APP_PLAN_PRIV, IN_SC_BATCH_CREATOR_PRIV, IN_SC_CAPTURE_PROFILE_PRIV, IN_SC_CAPTURE_SOURCE_PRIV, IN_SC_CONNECTION, IN_SC_DEPT_PRIV, IN_SC_DOC_TYPE_PRIV, IN_SC_DRAWER_PRIV, IN_SC_ENTITY, IN_SC_GROUP, IN_SC_GROUP_MEMBER, IN_SC_HOLD_PRIV, IN_SC_OUTPUT_PROFILE, IN_SC_PRIV, IN_SC_PROCESS_PRIV, IN_SC_PROJ_TYPE_PRIV, IN_SC_QUEUE_PRIV, IN_SC_ROUTE_PRIV, IN_SC_SESSION, IN_SC_ST_PRES_PRIV, IN_SC_SUBOB_TEMPL_PRIV, IN_SC_TASK_TEMPLATE_PRIV, IN_SC_USR, IN_SC_VIEW_PRIV, IN_TASK_SERIES, IN_TASK_STEP, IN_TASK_STEP_ENTITY, IN_VSL_METHOD, IN_VSL_METHOD_PARAM, IN_VSL_STATEMNT_METHOD, IN_WF_ACD_QUEUE, IN_WF_APPROVAL_QUEUE, IN_WF_RT_SET_CREATION_QUEUE, IN_WF_RT_WORK_QUEUE, IN_WF_TRANSFER_QUEUE, IN_WS_DESIGN, IN_WS_DESIGN_FILE Added new indexes and constraints for these new tables. Altered tables in: IN_ALARM.DEPT_ID, IN_APPROVAL.APPROVAL_DEF_ID, IN_APPROVAL_DEF.APPROVAL_DEF_NAME, IN_APPROVAL_DEF.COMPLETION_MODE, IN_CAPTURE_PROFILE.DEPT_ID, IN_CAPTURE_SOURCE.DEPT_ID, IN_CD_RESULT.CONTENTS, IN_DOC.DELETION_TIME, IN_DOC.IS_PROTECTED, IN_DOC.DELETION_USR_ID, IN_DOC.IS_UNDER_POLICY, IN_DOC.HAS_PHS_FILE_REF, IN_DOC_TYPE.DEPT_ID, IN_DOC_TYPE_LIST.DEPT_ID, IN_DRAWER.CATEGORY, IN_ELEMENT_TYPE.CATEGORY, IN_FORM.DEPT_ID, IN_HOSTED_DOC.CLIENT_INSTANCE_ID, IN_INSTANCE.EROOT_INSTANCE_ID, IN_LIST.DEPT_ID, IN_LM_APP_PLAN.DEPT_ID, IN_LOCK.LOCKING_THREAD_ID, IN_LOGOB.LOGOB_TYPE, IN_OSM_SET.CACHE_LEVEL, IN_OSM_SET.CACHE_LIFETIME, IN_OSM_SET_REL.REL_TYPE, IN_OUTPUT_PROFILE.DEPT_ID, IN_PROJ.DELETION_TIME, IN_PROJ.DRAWER_ID, IN_PROJ.IS_PROTECTED, IN_PROJ.DELETION_USR_ID, IN_PROJ_TYPE.DEPT_ID, IN_PROJ_TYPE.CATEGORY, IN_PROJ_TYPE_LIST.DEPT_ID, IN_PROP.DEPT_ID, IN_PROP.CATEGORY, IN_RS.DEPT_ID, IN_RT_ACTION_ACCESSION.INCLUDE_ANNOTATIONS, IN_RT_APPROVAL_DEF.APPROVAL_DEF_STATE, IN_RT_AUTHORITY.AUTHORITY_STATE, IN_RT_HOLD.HOLD_NAME, IN_RT_HOLD.LAST_ACTIVATION_TIME,

| Incremental-6.4_to_6.5.0.xxx.sql (continued) | IN_RT_OFFLINE_LOC.PHS_FILE_TEMPL_ID, IN_RT_PATH.PATH_STATE, IN_RT_PHASE.PHASE_STATE, IN_RT_POLICY.POLICY_STATE, IN_RT_POLICY_OBJ.QUAL_COUNT, IN_RT_POLICY_OBJ.POLICY_OBJ_STATE, IN_RT_POLICY_OBJ.IS_PROTECTED, IN_SCAN_DEVICE.FEEDER_EMPTY_PROMPT, IN_SCRIPT.DEPT_ID, IN_SEQUENCE.DEPT_ID, IN_SUBOB_TEMPL.DEPT_ID, IN_TASK.APPROVAL_DEF_ID, IN_TASK_ASSIGNMENT.IS_OPTIONAL, IN_TASK_TEMPLATE.CREATION_SCRIPT_ID, IN_TASK_TEMPLATE.RETURNED_SCRIPT_ID, IN_TASK_TEMPLATE.COMP_PEND_REV_SCRIPT_ID, IN_TASK_TEMPLATE.CANCELED_SCRIPT_ID, IN_TASK_TEMPLATE.INVALID_SCRIPT_ID, IN_TASK_TEMPLATE.ATTACH_IMAGENOW_LINK, IN_TASK_TEMPLATE.ATTACH_WEBNOW_LINK, IN_TASK_TEMPLATE.DEPT_ID, IN_TASK_TEMPLATE.EMAIL_NOTIFICATION, IN_TASK_TEMPLATE.APPROVAL_DEF_ID, IN_TASK_TEMPLATE.TASK_TEMPLATE_CAT, IN_VERSION.ADDENDUM_COUNT, IN_VIEW.DEPT_ID, IN_VSL_RULE.RULE_TYPE, IN_VSL_USR_VAR_CONSTRAINT.PARENT_ID, IN_WF_COMMENT.TEXT_SIZE, IN_WF_CONTAINER.BORDER_COLOR, IN_WF_PROCESS.PROCESS_TYPE, IN_WF_PROCESS.DEPT_ID, IN_WF_QUEUE.PREFERRED_VIEWER, IN_WS_DATA_DEF.DEPT_ID, IN_WS_FILE.DEPT_ID, IN_WS_PRES.DEPT_ID, IN_INSTANCE_REL.ROOT_INSTANCE_ID, IN_RT_ACTION_ACCESSION.KEEP_METADATA, IN_RT_PATH.TRIGGER_TYPE, IN_RT_PATH.DURATION_UNIT, IN_RT_PATH.DURATION, IN_RT_PATH.TRIGGER_RULE_ID, IN_RT_PATH_QUEUE.PATH_QUEUE_ID, IN_RT_PHASE_QUEUE.PHASE_QUEUE_ID |

Removed tables:

IN_RT_ITEM, IN_RT_ITEM_APPROVAL, IN_RT_PATH_ITEM, IN_RT_POLICY_OBJ_TYPE, IN_WF_EXPORT_QUEUE

Renamed the following tables:

IN_APPROVAL_DEF_USR renamed to IN_DEP_APPROVAL_DEF_USR, IN_USR renamed to IN_DEP_USR, IN_USR_BATCH_CREATOR_PRIV renamed to IN_DEP_USR_BATCH_CREATOR_PRIV, IN_USR_BATCH_DOC_TYPE_PRIV renamed to IN_DEP_USR_BATCH_DOC_TYPE_P, IN_USR_BATCH_DRAWER_PRIV renamed to IN_DEP_USR_BATCH_DRAWER_PRIV, IN_USR_PRIV renamed to IN_DEP_USR_PRIV, IN_USR_PROCESS_PRIV renamed to IN_DEP_USR_PROCESS_PRIV, IN_USR_APP_PLAN_PRIV renamed to IN_DEP_USR_APP_PLAN_PRIV, IN_USR_CAPTURE_PROFILE_PRIV renamed to IN_DEP_USR_CAPTURE_PROFILE_P, IN_USR_CAPTURE_SOURCE_PRIV renamed to IN_DEP_USR_CAPTURE_SOURCE_P, IN_USR_DOC_TYPE_PRIV renamed to IN_DEP_USR_DOC_TYPE_PRIV, IN_USR_DRAWER_PRIV renamed to IN_DEP_USR_DRAWER_PRIV, IN_USR_GROUP renamed to IN_DEP_USR_GROUP, IN_USR_OUTPUT_PROFILE renamed to IN_DEP_USR_OUTPUT_PROFILE, IN_USR_PROJ_TYPE_PRIV renamed to IN_DEP_USR_PROJ_TYPE_PRIV, IN_USR_QUEUE_PRIV renamed to

Incremental- 6.4_to_6.5.0.xxx.sql (continued)	IN_DEP_USR_QUEUE_PRIV, IN_USR_ROUTE_PRIV renamed to IN_DEP_USR_ROUTE_PRIV, IN_USR_ST_PRES_PRIV renamed to IN_DEP_USR_ST_PRES_PRIV, IN_USR_SUBOB_TEMPL_PRIV renamed to IN_DEP_USR_SUBOB_TEMPL_PRIV, IN_USR_TASK_TEMPLATE_PRIV renamed to IN_DEP_USR_TASK_TEMPLATE_P, IN_USR_VIEW_PRIV renamed to IN_DEP_USR_VIEW_PRIV
	Created indexes in:
	IN_APPROVAL.APP_IDX03, IN_CLASS_PROP.CLASS_PROP_IDX4
	IN_DOC.DOC_IDX11, IN_DOC.DOC_IDX12, IN_DOC.DOC_IDX13, IN_HOSTED_DOC.HOSTED_DOC_IDX03, IN_INSTANCE.INSTANCE_IDX_03, IN_OSM_SET.OSM_CTRL_IDX05, IN_OSM_TREE_CAS.OT_CAS_IDX03, IN_PHSOB.PHSOB_IDX06, IN_PROJ.PROJ_IDX_10, IN_PROJ.PROJ_IDX_11, IN_RT_AUTHORITY.RT_AUTH_IDX02, IN_RT_HOLD.RT_HOLD_IDX02, IN_RT_HOLD_OBJ.RT_HO_IDX04, IN_RT_OFFLINE_LOC.RT_OL_IDX02, IN_RT_OFFLINE_LOC.RT_OL_IDX03, IN_RT_PATH.RT_PATH_IDX04, IN_RT_POLICY.RT_POLICY_IDX03, IN_RT_POLICY_OBJ.RT_PO_IDX03, IN_RT_POLICY_OBJ.RT_PO_IDX04, IN_TASK.TASK_IDX12, IN_TASK_TEMPLATE.TASK_TEMPL_IDX07, IN_TASK_TEMPLATE.TASK_TEMPL_IDX08, IN_TASK_TEMPLATE.TASK_TEMPL_IDX09, IN_TASK_TEMPLATE.TASK_TEMPL_IDX10, IN_TASK_TEMPLATE.TASK_TEMPL_IDX11, IN_TASK_TEMPLATE.TASK_TEMPL_IDX12, IN_TASK_TEMPLATE.TASK_TEMPL_IDX13, IN_WF_ITEM.WF_ITEM_IDX_12, IN_WF_ITEM_HIST.WF_ITEM_HIST_IDX05
	Altered indexes in:
	DOC_IDX2.DELETION_TIME, DOC_IDX4.DOC_ID, DOC_IDX4.DOC_TYPE_ID, DRAWERS_IDX01.DRAWER_NAME, HOSTED_DOC_IDX02.CLIENT_INSTANCE_ID, LOCK_IDX03.LOCKING_THREAD_ID, PROJ_IDX_06.DELETION_TIME
	Removed indexes in:
	IN_INSTANCE_REL.IR_IDX04, IN_OSM_SET.OSM_CTRL_IDX03, IN_OSM_TREE_CAS.OT_CAS_IDX02, IN_RT_HOLD_OBJ.RT_HO_IDX02, IN_RT_PATH_QUEUE.RT_PAQ_IDX03, IN_RT_PHASE_QUEUE.RT_PHQ_IDX03
Incremental 6.6.0.125_to_6.6.0.237.sql	Added table: IN_LIC_TOKEN_HWFP

Incremental	Created tables:
6.6_to_6.7.0.2355.sql	IN_ACTION_GROUP, IN_ALARM_AGENT_STATE, IN_CAPTURE_SOURCE_OUTLOOK, IN_CLASS_LAYOUT, IN_DEP_TIMING_DATA, IN_DEP_TIMING_PARAM, IN_DEP_TIMING_REPORT, IN_DEP_TIMING_SUMMARY, IN_DOC_TYPE_LIST_REL, IN_INSTANCE_ANCESTRY, IN_INSTANCE_SEQ, IN_JOB_AGENT_STATE, IN_LAYOUT, IN_LAYOUT_COL, IN_LIC_REGISTERED_HW_NODE, IN_LM_SCREEN_CONTEXT_MAP, IN_MESSAGE_QUEUE, IN_MESSAGE_QUEUE_MASTER, IN_OSM_AGENT_STATE, IN_PROJ_CAPTURE_PROFILE, IN_RC_ADDRESSEE, IN_RC_EMAIL_ADDRESS, IN_RC_EMAIL_METADATA, IN_RC_EMAIL_METADATA_ADDRESS, IN_RC_FOLDER, IN_RC_FOLDER_POLICY, IN_RC_FOLDER_TYPE, IN_RC_FOLDER_TYPE_LIST, IN_RC_FOLDER_TYPE_LIST_MEMBER, IN_RC_METADATA, IN_RC_METADATA_ADDRESSEE, IN_RC_METADATA_INSTANCE, IN_RC_PAGE_METADATA, IN_RT_AGENT_STATE, IN_SHORTCUT, IN_TASK_AGENT_STATE, IN_TIMING_HISTORY, IN_USR_VIEW, IN_WF_AGENT_STATE, IN_WF_INTEGRATION_MAP, IN_WF_INTEGRATION_QUEUE
	Altered columns in:
	IN_INSTANCE New columns: CLASS_TYPE, IN_INSTANCE, INSTANCE_NAME, CREATION_USR_ID, CREATION_TIME, MOD_USR_ID, MOD_TIME, ADD_USR_ID, ADD_TIME, LOCK_SESSION_ID, LOCK_REVISION_NUM, LOCK_TYPE, DELETION_STATUS, : ACTION_GROUP_ID
	IN_SC_SESSION New column: DISCONNECT_TIME
	IN_TIMING_SUMMARY New columns: SERVER_ID, NODE_ID, USR_ID, OS_USER_NAME
	Created indexes in:
	XIE1IN_FORM, INSTANCE_IDX_04, INSTANCE_IDX_05, LIC_MON_IDX05, LM_SCREEN_IDX07, PHSOB_IDX07, SERREG_IDX04, TIMING_S_IDX03, TIMING_S_IDX04, TIMING_S_IDX05, VIEW_IDX08, WF_ITEM_IDX_13
	Altered indexes in:
	CMIB_IDX02, DOC_TYPE_IDX2, INSTANCE_IDX_03, TIMING_S_IDX02
	Created foreign keys in:
	IN_DOC new key: FK_DOC_INSTANCE_ID, IN_DRAWER new key: FK_DR_I_ID, IN_INSTANCE new key: FK_I_AG_ID, IN_INSTANCE new key: FK_I_S_ID, IN_LM_SCREEN new key: FK_LMS_S_ID, IN_PROJ new key: FK_PROJ_INSTANCE_ID, IN_TASK new key: FK_T_S_ID, IN_TIMING_SUMMARY new key: FK_TS_N_ID, IN_TIMING_SUMMARY new key: FK_TS_S_ID, IN_VIEW new key: FK_V_S_ID, IN_WF_ITEM new key: FK_WI_S_ID, IN_WF_PROCESS new key: FK_WFP_S_ID

Incremental	Created columns in:
6.6_to_6.7.0.2355.sql (continued)	IN_BATCH new column: PATH_MODE, IN_BATCH_PAGE new column: DOC_NAME, IN_CONTEXT_MAP_ITEM_BASE new column: ITEM_LEVEL, IN_DOC new column: LEGACY_UNIQUENESS, IN_DOC_TYPE new column: IS_RECORD_TYPE, IN_DOC_TYPE_LIST new column: LIST_TYPE, IN_DOC_TYPE_LIST new column: COLOR, IN_DRAWER new column: INSTANCE_ID, IN_EXTERN_MSG new column: AGENT_LOCK, IN_EXTERN_MSG new column: LOCK_EXPIRATION, IN_LIC_MON new column: SESSION_ID, IN_LM_SCREEN new column: SCRIPT_ID, IN_RS_WS_OP new column: IS_ASQ_CONSUMABLE, IN_RT_HOLD new column: HOLD_TYPE, IN_SC_CONNECTION new column: SERVER_SESSION_ID, IN_SC_CONNECTION new column: LAST_HEARTBEAT, IN_SERVICE_REGISTRATION new column: INSTANCE_NAME, IN_TIMING_DATA new column: IS_ERROR, IN_TIMING_DATA new column: EVENT_TIME, IN_VIEW new column: MOD_SESSION_ID, IN_VIEW new column: IS_DEFAULT, IN_WF_FLATTEN_QUEUE new column: ALLOW_JAVASCRIPT, IN_WF_ITEM new column: LOCK_SESSION_ID, IN_WF_PROCESS new column: IS_DELETED
	Removed tables:
	IN_CD_CLASS, IN_CD_FORM, IN_CD_PHSOB_FORM, IN_CD_RESULT, IN_CD_RUN, IN_FOLDER, IN_FOLDER_TYPE, IN_LOCK, IN_TIMING_REPORT, IN_WORKING_ROOT
	Removed columns in:
	IN_LIC_MON column: LIC_MON_STATE, IN_LIC_MON column: LAST_UPDATE, IN_LM_SCREEN column: DOC_CONTEXT_MAP_ID, IN_LM_SCREEN column: PROJ_CONTEXT_MAP_ID, IN_SC_SESSION column: SESSION_HASH, IN_SC_SESSION column: LAST_HEARTBEAT, IN_SC_SESSION column: LOGONS_ENABLED, IN_SC_SESSION column: LOGONS_MSG, IN_TIMING_DATA column: DATA_POINT_TYPE, IN_TIMING_SUMMARY column: TIMING_REPORT_ID, IN_TIMING_SUMMARY column: SEQ_NUM, IN_TIMING_SUMMARY column: EVENT_COUNT, IN_TIMING_SUMMARY column: AVG_COST, IN_TIMING_SUMMARY column: TOTAL_COST, IN_TIMING_SUMMARY column: STDDEV_COST, IN_TIMING_SUMMARY column: ERROR_COUNT, IN_TIMING_SUMMARY column: THRESHOLD_COUNT, IN_TIMING_SUMMARY column: AVG_DATA_SIZE, IN_TIMING_SUMMARY column: STDDEV_DATA_SIZE, IN_VIEW column: MOD_USR_ID
	Removed indexes in:
	DOC_IDX11, LIC_MON_IDX02, LIC_MON_IDX04, LM_SCREEN_IDX04, LM_SCREEN_IDX05, PROJ_IDX_11, SC_SESSION_IDX02, SC_SESSION_IDX04, _IDX02

Incremental 6.6_to_6.7.0.2355.sql (continued)	Altered indexes:
	DOC_IDX10, DOC_IDX12, DOC_IDX2, DOC_IDX4, DOC_IDX7, DOC_IDX81, DOC_IDX82, DOC_IDX83, DOC_IDX84, DOC_IDX85, DOC_IDX9, IR_IDX02, IR_IDX03, LIC_MON_IDX03, PROJ_IDX_02 PROJ_IDX_06, PROJ_IDX_06, PROJ_IDX_07, PROJ_IDX_09 PROJ_IDX_10, TASK_IDX05, TIMING_D_IDX02, TIMING_S_IDX02, WF_PROCESS_IDX_03
	Removed foreign keys:
	FK_IR_CI_ID, FK_IR_PI_ID, FK_LMS_DCM_ID, FK_LMS_PCM_ID, FK_TS_TR_ID
	Altered tables
	IN_INSTANCE, IN_TASK, IN_WF_PROCESS, IN_PRODUCT_MOD_HIST, DOC_TYPE_NAME
	Removed index:
	IN_INSTANCE_REL Index: IR_IDX02
	IN_INSTANCE_REL Index: IR_IDX03
Incremental 6.7.0.2355_to_6.7.0.2475.sql	New Indexes:
	IN_INSTANCE Index: INSTANCE_IDX_06
	IN_INSTANCE Index: INSTANCE_IDX_07
	Column Nullability:
	IN_INSTANCE Column: CLASS_TYPE Nullable: TRUE Nullable: FALSE
Incremental 6.7.0.2475_to_6.7.0.2787.sql	Insert statements to create new System Drawers, Classes, and Instances for Batch and Retention. Update statements to update qualifying rows to use these new System Drawers for Batch and Retention.
	Created table:
	IN_EXTERN_MSG_GROUP
	Created INEMUSER schema with
	IN_EXTERN_MSG_SEQ table
	Oracle Only:
	IN_EXTERN_MSG_SEQ trigger
	IN_EXTERN_MSG_SEQUENCE sequence
Incremental 6.7.0.2787_to_6.7.0.2836.sql	Created index:
	IN_DRAWER Index: DRAWERS_IDX02

Incremental 6.7.0.2836_to_6.7.0.2922.sql	Created index: IN_DOC Index: DOC_IDX5 Removed index IN_DOC Index: DOC_IDX4
Incremental 6.7.0.2922_to_6.7.0.3009.sql	Created index: IN_INSTANCE Index: INSTANCE_IDX_08
Incremental 6.7.0.3009_to_6.7.0.3158.sql	Created indexes: IN_DOC_TYPE Index: DOC_TYPE_IDX4 IN_FORM Index: FORM_IDX03 IN_MACRO Index: MACRO_IDX02 IN_OSM_SET_REL Index: OSR_IDX02 IN_OUTPUT_PROFILE Index: OUTPUT_PROFILE_IDX03 IN_OUTPUT_PROFILE_FAX Index: OP_FAX_IDX02 IN_PROJ_TYPE Index: PROJ_TYPE_IDX_04 IN_RS_WS_OP Index: RS_WS_OP_IDX02 IN_RS_WS_SERVICE Index: RS_WS_SERVICE_IDX02 IN_RT_POLICY_OBJ_QUAL Index: RT_POQ_IDX03 IN_SC_HOLD_PRIV Index: SC_HP_IDX02 IN_SIG Index: SIG_IDX_07 IN_TASK_HIST Index: TASK_HIST_IDX03 IN_VSL_USR_VAR_CONSTRAINT_VAL Index: VSL_UVCV_IDX02 IN_WF_ITEM_HIST Index: WF_ITEM_HIST_IDX06 IN_WF_QUEUE_ATTR Index: QUEUE_ATTR_IDX02 **Note** After running this incremental, if desired, you can run the 6.7 to 7.0.5.860 rollup incremental.
Incremental 6.7.0.3158_to_6.7.0.3656.sql	Created index: IN_WF_ITEM Index: WF_ITEM_IDX_08

Rollup Incremental 6.7_to_7.0.5.860.sql	This rollup incremental upgrades the INUSER schema from 6.7.0.3158 or 6.7.0.3656 to 7.0.5.860 and applies to both Oracle and SQL Server. New Tables: IN_APPROVAL_SET_ITEM IN_DEPT_ACMPICKLST_SHARE IN_DEPT_ALARM_SHARE IN_DEPT_APP_PLAN_SHARE IN_DEPT_CAPTURE_PROFILE_SHARE IN_DEPT_CAPTURE_SOURCE_SHARE IN_DEPT_DOCTYP_SHARE IN_DEPT_DOCTYPLST_SHARE IN_DEPT_DRAWER_SHARE IN_DEPT_ELEMENT_TYPE_SHARE IN_DEPT_FAX_RECIPIENT_SHARE IN_DEPT_FORM_SHARE IN_DEPT_GROUP_SHARE IN_DEPT_INSTCONNTYPE_SHARE IN_DEPT_LIST_ITEM_SHARE IN_DEPT_LIST_SHARE IN_DEPT_OUTPROF_SHARE IN_DEPT_PROJTYP_SHARE IN_DEPT_PROJTYPLST_SHARE IN_DEPT_PROP_SHARE IN_DEPT_RC_CUTOFF_SHARE IN_DEPT_RT_AUTHORITY_SHARE IN_DEPT_RT_HOLD_SHARE IN_DEPT_RT_OFFLINE_LOC_SHARE IN_DEPT_RT_POLICY_SHARE IN_DEPT_RT_TIME_PERIOD_SHARE IN_DEPT_SEQUENCE_SHARE IN_DEPT_SUBOBTMPL_SHARE IN_DEPT_TASKTMPL_SHARE IN_DEPT_VIEW_SHARE IN_DEPT_VSL_RULE_SHARE IN_DEPT_WFPROC_SHARE IN_DEPT_WSDATADEF_SHARE IN_DEPT_WSDESIGN_SHARE IN_DEPT_WSFILE_SHARE IN_DEPT_WSPRES_SHARE IN_INSTANCE_CONN_REL IN_INSTANCE_CONN_SEQ_GRP IN_INSTANCE_CONN_SEQ_MBR IN_INSTANCE_CONN_TYPE IN_LIC_MON_HIST IN_LIC_MON_HIST_DETAIL IN_LIC_USR_GROUP IN_LIC_USR_GROUP_ALLOC IN_RC_CAPTURE_SOURCE_METADATA IN_RC_CUTOFF_INSTRUCTION IN_RC_FILE_PLAN_SESSION_LOCK IN_RC_NOTIFICATION_EVENT IN_RC_NOTIFICATION_SUBSCRIBER IN_RC_NOTIFICATION_VIEW IN_RC_PDF_METADATA IN_RC_PHOTO_METADATA IN_RC_RECORD_DOC IN_RC_RECORD_FOLDER

IN_RC_SCANNED_METADATA
IN_RC_WEB_METADATA
IN_RT_APPROVAL_TEMPLATE_TYPE
IN_RT_HOLD_RESOLVED_PROJ
IN_RT_HOLD_RESOLVED_TYPE
IN_SC_ACM_PICKLIST
IN_SC_ACM_PICKLIST_CLASS
IN_SC_ACM_PICKLIST_MEMBER
IN_SC_ACM_PRIV
IN_SC_INSTANCE_CONN_TYPE_PRIV
IN_SC_RECORD_FOLDER_PRIV
IN_SC_TRUSTED_PUBLIC_KEYS

New Columns - Table: IN_CAPTURE_SOURCE_OUTLOOK:

REMOVE_EMBEDDED_ATTACHMENTS
INSTANCE_CONN_TYPE_ID

New Indexes:

Table: IN_ALARM Index: ALARM_IDX_04
Table: IN_CAPTURE_PROFILE Index: CAP_PROF_IDX05
Table: IN_CAPTURE_SOURCE Index: CAP_SRC_IDX02
Table: IN_CAPTURE_SOURCE_OUTLOOK Index: CAP_SO_IDX02
Table: IN_CONTEXT_MAP_ITEM_SRC Index: CMIS_IDX11
Table: IN_DEPT Index: DEPT_IDX03
Table: IN_DOC_TYPE Index: DOC_TYPE_IDX5
Table: IN_DOC_TYPE_LIST Index: DOC_TYPE_LIST_IDX_03
Table: IN_DRAWER Index: DRAWERS_IDX03
Table: IN_ELEMENT_TYPE Index: ET_IDX04
Table: IN_FAX_RECIPIENT Index: FAX_REC_IDX03
Table: IN_FORM Index: FORM_IDX04
Table: IN_LIC_MON Index: LIC_MON_IDX02
Table: IN_LIC_MON Index: LIC_MON_IDX04
Table: IN_LIC_MON Index: LIC_MON_IDX06
Table: IN_LIC_TOKEN Index: LIC_TOKEN_IDX04
Table: IN_LIST Index: LIST_IDX03
Table: IN_LIST_ITEM Index: LIST_ITEM_IDX05
Table: IN_LM_APP_PLAN Index: LM_AP_IDX04
Table: IN_OUTPUT_PROFILE Index: OUTPUT_PROFILE_IDX04
Table: IN_PHSOB Index: PHSOB_IDX08
Table: IN_PHSOB Index: PHSOB_IDX09
Table: IN_PROJ_TYPE Index: PROJ_TYPE_IDX_05
Table: IN_PROJ_TYPE_LIST Index: PTL_IDX03
Table: IN_PROP Index: PROP_IDX4
Table: IN_RT_AUTHORITY Index: RT_AUTH_IDX03
Table: IN_RT_HOLD Index: RT_HOLD_IDX03
Table: IN_RT_OFFLINE_LOC Index: RT_OL_IDX04
Table: IN_RT_POLICY Index: RT_POLICY_IDX04
Table: IN_RT_POLICY_OBJ Index: RT_PO_IDX05
Table: IN_RT_POLICY_OBJ Index: RT_PO_IDX06
Table: IN_RT_POLICY_OBJ Index: RT_PO_IDX07
Table: IN_RT_POLICY_OBJ Index: RT_PO_IDX08
Table: IN_RT_SET Index: RT_SET_IDX09
Table: IN_RT_SET Index: RT_SET_IDX10
Table: IN_RT_TIME_PERIOD Index: RT_TP_IDX03

	Table: IN_SC_GROUP Index: SC_GROUP_IDX05 Table: IN_SC_GROUP Index: SC_GROUP_IDX06 Table: IN_SC_USR Index: SC_USR_IDX07 Table: IN_SEQUENCE Index: SEQUENCE_IDX02 Table: IN_SUBOB_TEMPL Index: SUBOB_TEMPL_IDX_05 Table: IN_TASK_TEMPLATE Index: TASK_TEMPL_IDX14 Table: IN_VIEW Index: VIEW_IDX09 Table: IN_VSL_RULE Index: RULE_IDX03 Table: IN_WF_INTEGRATION_QUEUE Index: WIQ_IDX04 Table: IN_WF_ITEM Index: WF_ITEM_IDX_14 Table: IN_WF_PROCESS Index: WF_PROCESS_IDX_04 Table: IN_WS_DATA_DEF Index: WS_DATA_DEF_IDX03 Table: IN_WS_FILE Index: WS_FILE_IDX_04 Table: IN_WS_PRES Index: WS_PRES_IDX_03 New Index Columns: Table: IN_LIC_TOKEN Index: LIC_TOKEN_IDX02 Column: ACCESS_TIME Table: IN_PROJ_TYPE Index: PROJ_TYPE_IDX_02 Column: PROJ_TYPE_NAME New Foreign Keys: Table: IN_CAPTURE_SOURCE_OUTLOOK FKey: FK_CAPSO_ICT_ID Table: IN_CONTEXT_MAP_ITEM_SRC FKey: FK_CMIS_RC_ID Table: IN_ELEMENT_TYPE FKey: FK_ET_D_ID Table: IN_FAX_RECIPIENT FKey: FK_FR_D_ID Table: IN_LIC_MON FKey: FK_LIC_MON_AG_ID Table: IN_LIC_MON FKey: FK_LIC_MON_LUG_ID Table: IN_LIST_ITEM FKey: FK_LIST_ITEM_D_ID Table: IN_RT_AUTHORITY FKey: FK_RTA_D_ID Table: IN_RT_HOLD FKey: FK_RHOLD_D_ID Table: IN_RT_OFFLINE_LOC FKey: FK_RTOL_D_ID Table: IN_RT_POLICY FKey: FK_RP_D_ID Table: IN_RT_SET FKey: FK_RSET_PO_ID Table: IN_RT_TIME_PERIOD FKey: FK_RTTP_D_ID Table: IN_SC_USR FKey: FK_SCU_LUG_ID Table: IN_VSL_RULE FKey: FK_VR_D_ID Table: IN_WF_ITEM FKey: FK_WI_INSTANCE_ID New Columns: Table: IN_CAPTURE_SOURCE Column: CATEGORY Table: IN_CONTEXT_MAP_ITEM_SRC Column: RECORD_CATEGORY_ID Table: IN_DEPT Column: DEPT_PREFIX Table: IN_ELEMENT_TYPE Column: DEPT_ID Table: IN_FAX_RECIPIENT Column: DEPT_ID Table: IN_LIC_MON Column: CLIENT_TYPE Table: IN_LIC_MON Column: ALLOC_GROUP_ID Table: IN_LIC_MON Column: LIC_USR_GROUP_ID Table: IN_LIC_TOKEN Column: ACCESS_TIME Table: IN_LIST_ITEM Column: DEPT_ID Table: IN_LM_APP_PLAN Column: CATEGORY Table: IN_PHSOB Column: FILE_SIZE Table: IN_PHSOB Column: CHECKSUM Table: IN_PHSOB Column: CHECKSUM_TYPE Table: IN_PHSOB Column: VERIFY_TIME Table: IN_PHSOB Column: VERIFY_STATE Table: IN_PROJ Column: CLOSED_STATUS

	Table: IN_PROJ Column: IS_UNDER_POLICY Table: IN_PROJ Column: HAS_PHS_FILE_REF Table: IN_RT_AGENT_STATE Column: JOB_STATE Table: IN_RT_AGENT_STATE Column: LAST_RUN_TIME Table: IN_RT_AUTHORITY Column: DEPT_ID Table: IN_RT_HOLD Column: DEPT_ID Table: IN_RT_OFFLINE_LOC Column: DEPT_ID Table: IN_RT_POLICY Column: DEPT_ID Table: IN_RT_POLICY_OBJ Column: EST_CUTOFF_TIME Table: IN_RT_POLICY_OBJ Column: EST_CUTOFF_CALC_TIME Table: IN_RT_POLICY_OBJ Column: EST_DISPOSITION_TIME Table: IN_RT_POLICY_OBJ Column: EST_DISPOSITION_CALC_TIME Table: IN_RT_SET Column: POLICY_OBJ_ID Table: IN_RT_SET Column: PATH_OBJ_ID Table: IN_RT_TIME_PERIOD Column: DEPT_ID Table: IN_SC_GROUP Column: IS_GLOBALLY_VISIBLE Table: IN_SC_USR Column: LIC_USR_GROUP_ID Table: IN_VSL_RULE Column: DEPT_ID Table: IN_WF_ITEM Column: INSTANCE_ID Removed Tables: IN_ADDENDUM_TEMPLATE IN_ADDENDUM_TEMPLATE_DATA IN_RC_ADDRESSEE IN_RC_FOLDER IN_RC_FOLDER_POLICY IN_RC_FOLDER_TYPE IN_RC_FOLDER_TYPE_LIST IN_RC_FOLDER_TYPE_LIST_MEMBER IN_RC_METADATA IN_RC_METADATA_ADDRESSEE IN_RC_METADATA_INSTANCE Removed Columns: Table: IN_AUDIT_TEMPLATE Column: DEPT_ID Table: IN_DEPT Column: IS_ACTIVE Table: IN_RS Column: DEPT_ID Table: IN_RT_HOLD_RESOLVED Column: HOLD_STATE Table: IN_SCRIPT Column: DEPT_ID Removed Indexes: Table: IN_OSM_TREE_CAS Index: OT_CAS_IDX03 Table: IN_RT_HOLD_RESOLVED Index: RT_HRES_IDX02 Table: IN_SC_GROUP Index: SC_GROUP_IDX04 Removed Index Columns: Table: IN_AUDIT_TEMPLATE Index: AT_IDX02 Column: TEMPLATE_NAME Table: IN_DOC_TYPE_LIST_REL Index: DTLR_IDX02 Column: SEQ_NUM Table: IN_LIC_MON Index: LIC_MON_IDX03 Column: LOGIN_TIME Table: IN_LM_SCREEN_CONTEXT_MAP Index: LM_SCM_IDX02 Column: SCREEN_ID Table: IN_SC_GROUP Index: SC_GROUP_IDX02 Column: GROUP_NAME Removed Foreign Keys:

	Table: IN_AUDIT_TEMPLATE FKey: FK_AT_D_ID Table: IN_PHSOB FKey: FK_PO_FORM_ID Table: IN_RS FKey: FK_RS_DEPT_ID Table: IN_SCRIPT FKey: FK_S_DEPT_ID Mismatch Column Names: Table: IN_CAPTURE_SOURCE_OUTLOOK Column: ATTACHMENT_MODE Column: STORAGE_MODE Table: IN_CAPTURE_SOURCE_OUTLOOK Column: AUTO_CAPTURE_MODE Column: CONTENT_MODE Table: IN_DOC Column: IS_PROTECTED Column: PROTECTION_STATUS Table: IN_DOC_TYPE Column: IS_RECORD_TYPE Column: CATEGORY Table: IN_PROJ Column: IS_PROTECTED Column: PROTECTION_STATUS Mismatch Column Defaults: Table: IN_BATCH Column: PREP_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_BATCH Column: CREATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_BATCH Column: QA_START_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_BATCH Column: QA_COMPLETE_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_BATCH Column: REC_START_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_BATCH Column: REC_COMPLETE_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_BATCH Column: VERIFY_START_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_BATCH Column: VERIFY_COMPLETE_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_BATCH Column: LINK_START_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_BATCH Column: LINK_COMPLETE_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_BATCH Column: MOD_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_BATCH_ARCHIVE Column: PREP_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_BATCH_ARCHIVE Column: CREATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_BATCH_ARCHIVE Column: QA_START_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_BATCH_ARCHIVE Column: QA_COMPLETE_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_BATCH_ARCHIVE Column: REC_START_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_BATCH_ARCHIVE Column: REC_COMPLETE_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_BATCH_ARCHIVE Column: VERIFY_START_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_BATCH_ARCHIVE Column: VERIFY_COMPLETE_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00

	Table: IN_BATCH_ARCHIVE Column: LINK_START_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_BATCH_ARCHIVE Column: LINK_COMPLETE_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_BATCH_ARCHIVE Column: DELETE_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_DOC Column: CHECK_OUT_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_DOC Column: CREATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_DOC Column: MOD_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_DOC_HISTORY Column: ACTION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_DOC_TYPE Column: CREATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_DOC_TYPE Column: MOD_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_ERM_SPOOL Column: REPORT_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_ERM_SPOOL Column: CREATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_ERM_SPOOL Column: UPLOAD_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_ERM_SPOOL Column: IMPORT_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_EXTERN_MSG Column: START_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_EXTERN_MSG Column: END_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_JOB Column: STATE_ENTERED_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_JOB Column: CREATED_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_JOB Column: INITIALIZED_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_JOB Column: STARTED_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_JOB Column: COMPLETED_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_JOB Column: UPDATED_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_JOB Column: AUTO_RESUME_AT Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_JOB_STATE Column: ENTERED_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_JOB_STATE Column: EXITED_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_JOB_STEP Column: STARTED_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_JOB_STEP Column: COMPLETED_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_LIC Column: EXPIRATION_DATE Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_LOGOB Column: CREATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00
	Table: IN_LOGOB Column: MOD_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00

	Table: IN_MESSAGE Column: CREATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_MESSAGE_QUEUE Column: LEASE_ACQUIRED_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_MESSAGE_QUEUE Column: LEASE_EXPIRATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_PHSOB Column: SCAN_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_PHSOB Column: CREATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_PHSOB Column: MOD_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_PROJ Column: CREATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_PROJ Column: MOD_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_PROJ_TYPE Column: CREATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_PROJ_TYPE Column: MOD_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_RT_SET Column: CUTOFF_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_SC_SESSION Column: START_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_SC_SESSION Column: DISCONNECT_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_SCRIPT Column: CREATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_SCRIPT Column: MOD_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_SIG Column: CREATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_SUBOB Column: CREATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_SUBOB Column: MOD_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_SUBOB_TEMPL Column: CREATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_SUBOB_TEMPL Column: MOD_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_TASK Column: CREATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_TASK Column: MOD_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_TASK Column: REVIEW_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_TASK_COMMENT Column: CREATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_USR_KEY Column: VALID_FROM Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_USR_KEY Column: VALID_TO Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_USR_PROXY Column: BEGINNING_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_USR_PROXY Column: VALID_UNTIL_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_USR_PROXY_HIST Column: BEGINNING_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00

Table: IN_USR_PROXY_HIST Column: VALID_UNTIL_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_VERSION Column: CREATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_VERSION Column: MOD_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_VERSION Column: LAST_VIEW_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_VERSION Column: CHECK_IN_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_WF_ITEM Column: CREATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_WF_ITEM Column: QUEUE_START_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_WF_ITEM Column: STATE_START_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_WF_ITEM_ARCH Column: CREATION_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_WF_ITEM_ARCH Column: QUEUE_START_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_WF_ITEM_ARCH Column: STATE_START_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_WF_ITEM_HIST Column: STATE_START_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_WF_ITEM_HIST_ARCH Column: STATE_START_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Table: IN_WF_SCHEDULED_SCRIPT Column: SCRIPT_TIME Default: 1-JAN-1970 Default: 1970-01-01 00:00:00 Mismatch Column Lengths: Table: IN_MESSAGE Column: SENDER Length: 31 Length: 40 Table: IN_WF_INTEGRATION_MAP Column: PARAM_NAME Length: 512 Length: 128 Table: IN_WS_FILE Column: FILE_PATH Length: 512 Length: 450 Mismatch Column Nullable - Table: IN_APPROVAL_SET Column: PROJ_ID Nullable: FALSE Nullable: TRUE Mismatch Foreign Key Names: Table: IN_AUDIT_DETAIL FKey: IN_AD_AO_ID FKey: FK_AD_AO_ID Table: IN_LM_SE_WINDOWTEXT FKey: IN_LMSEWT_ELEMENT_ID FKey: FK_LMSEWT_ELEMENT_ID Table: IN_MESSAGE_QUEUE_MASTER FKey: R_423 FKey: FK_MQM_MQ Table: IN_PHSOB_CACHE FKey: IN_PC_P_ID FKey: FK_PC_P_ID Mismatch Index Name - Table: IN_FORM Index: XIE1IN_FORM Index: FORM_IDX02 Mismatch Index Uniqueness: Table: IN_DOC_TYPE_LIST_REL Index: DTLR_IDX02 Unique: TRUE Unique: FALSE Table: IN_FAX_RECIPIENT Index: FAX_REC_IDX02 Unique: FALSE Unique: TRUE Table: IN_LM_SCREEN_CONTEXT_MAP Index: LM_SCM_IDX02 Unique: FALSE Unique: TRUE

	Mismatch Index Column Names: Table: IN_AUDIT_TEMPLATE Index: AT_IDX02 Column: DEPT_ID Column: TEMPLATE_NAME Table: IN_DOC_TYPE Index: DOC_TYPE_IDX2 Column: IS_RECORD_TYPE Column: CATEGORY Table: IN_DOC_TYPE_LIST_REL Index: DTLR_IDX02 Column: PARENT_DOC_TYPE_LIST_ID Column: SEQ_NUM Table: IN_PROJ_TYPE Index: PROJ_TYPE_IDX_02 Column: PROJ_TYPE_NAME Column: CATEGORY Table: IN_SC_GROUP Index: SC_GROUP_IDX02 Column: DEPT_ID Column: GROUP_NAME

Rollup Incremental 6.8_to_7.0.5.860.sql	This rollup incremental upgrades the INUSER schema from 6.8.0.1477u or 6.8.0.1893u to 7.0.5.860u and applies to SQL Server only. New Tables: IN_APPROVAL_SET_ITEM IN_DEPT_ACMPICKLST_SHARE IN_DEPT_ALARM_SHARE IN_DEPT_APP_PLAN_SHARE IN_DEPT_CAPTURE_PROFILE_SHARE IN_DEPT_CAPTURE_SOURCE_SHARE IN_DEPT_DOCTYP_SHARE IN_DEPT_DOCTYPLST_SHARE IN_DEPT_DRAWER_SHARE IN_DEPT_ELEMENT_TYPE_SHARE IN_DEPT_FAX_RECIPIENT_SHARE IN_DEPT_FORM_SHARE IN_DEPT_GROUP_SHARE IN_DEPT_INSTCONNTYPE_SHARE IN_DEPT_LIST_ITEM_SHARE IN_DEPT_LIST_SHARE IN_DEPT_OUTPROF_SHARE IN_DEPT_PROJTYP_SHARE IN_DEPT_PROJTYPLST_SHARE IN_DEPT_PROP_SHARE IN_DEPT_RC_CUTOFF_SHARE IN_DEPT_RT_AUTHORITY_SHARE IN_DEPT_RT_HOLD_SHARE IN_DEPT_RT_OFFLINE_LOC_SHARE IN_DEPT_RT_POLICY_SHARE IN_DEPT_RT_TIME_PERIOD_SHARE IN_DEPT_SEQUENCE_SHARE IN_DEPT_SUBOBTMPL_SHARE IN_DEPT_TASKTMPL_SHARE IN_DEPT_VIEW_SHARE IN_DEPT_VSL_RULE_SHARE IN_DEPT_WFPROC_SHARE IN_DEPT_WSDATADEF_SHARE IN_DEPT_WSDESIGN_SHARE IN_DEPT_WSFILE_SHARE IN_DEPT_WSPRES_SHARE IN_INSTANCE_CONN_REL IN_INSTANCE_CONN_SEQ_GRP IN_INSTANCE_CONN_SEQ_MBR IN_INSTANCE_CONN_TYPE IN_LIC_MON_HIST IN_LIC_MON_HIST_DETAIL IN_LIC_USR_GROUP IN_LIC_USR_GROUP_ALLOC IN_RC_CAPTURE_SOURCE_METADATA IN_RC_CUTOFF_INSTRUCTION IN_RC_FILE_PLAN_SESSION_LOCK IN_RC_NOTIFICATION_EVENT IN_RC_NOTIFICATION_SUBSCRIBER IN_RC_NOTIFICATION_VIEW IN_RC_PDF_METADATA IN_RC_PHOTO_METADATA IN_RC_RECORD_DOC IN_RC_RECORD_FOLDER

IN_RC_SCANNED_METADATA
IN_RC_WEB_METADATA
IN_RT_APPROVAL_TEMPLATE_TYPE
IN_RT_HOLD_RESOLVED_PROJ
IN_RT_HOLD_RESOLVED_TYPE
IN_SC_ACM_PICKLIST
IN_SC_ACM_PICKLIST_CLASS
IN_SC_ACM_PICKLIST_MEMBER
IN_SC_ACM_PRIV
IN_SC_INSTANCE_CONN_TYPE_PRIV
IN_SC_RECORD_FOLDER_PRIV
IN_SC_TRUSTED_PUBLIC_KEYS

New Columns:

Table: IN_CAPTURE_SOURCE_OUTLOOK Column:
REMOVE_EMBEDDED_ATTACHMENTS
Table: IN_CAPTURE_SOURCE_OUTLOOK Column:
INSTANCE_CONN_TYPE_ID

New Indexes:

Table: IN_ALARM Index: ALARM_IDX_04
Table: IN_CAPTURE_PROFILE Index: CAP_PROF_IDX05
Table: IN_CAPTURE_SOURCE Index: CAP_SRC_IDX02
Table: IN_CAPTURE_SOURCE_OUTLOOK Index: CAP_SO_IDX02
Table: IN_CONTEXT_MAP_ITEM_SRC Index: CMIS_IDX11
Table: IN_DEPT Index: DEPT_IDX03
Table: IN_DOC_TYPE Index: DOC_TYPE_IDX5
Table: IN_DOC_TYPE_LIST Index: DOC_TYPE_LIST_IDX_03
Table: IN_DRAWER Index: DRAWERS_IDX03
Table: IN_ELEMENT_TYPE Index: ET_IDX04
Table: IN_FAX_RECIPIENT Index: FAX_REC_IDX03
Table: IN_FORM Index: FORM_IDX04
Table: IN_LIC_MON Index: LIC_MON_IDX02
Table: IN_LIC_MON Index: LIC_MON_IDX04
Table: IN_LIC_MON Index: LIC_MON_IDX06
Table: IN_LIC_TOKEN Index: LIC_TOKEN_IDX04
Table: IN_LIST Index: LIST_IDX03
Table: IN_LIST_ITEM Index: LIST_ITEM_IDX05
Table: IN_LM_APP_PLAN Index: LM_AP_IDX04
Table: IN_OUTPUT_PROFILE Index: OUTPUT_PROFILE_IDX04
Table: IN_PHSOB Index: PHSOB_IDX08
Table: IN_PHSOB Index: PHSOB_IDX09
Table: IN_PROJ_TYPE Index: PROJ_TYPE_IDX_05
Table: IN_PROJ_TYPE_LIST Index: PTL_IDX03
Table: IN_PROP Index: PROP_IDX4
Table: IN_RT_AUTHORITY Index: RT_AUTH_IDX03
Table: IN_RT_HOLD Index: RT_HOLD_IDX03
Table: IN_RT_OFFLINE_LOC Index: RT_OL_IDX04
Table: IN_RT_POLICY Index: RT_POLICY_IDX04
Table: IN_RT_POLICY_OBJ Index: RT_PO_IDX05
Table: IN_RT_POLICY_OBJ Index: RT_PO_IDX06
Table: IN_RT_POLICY_OBJ Index: RT_PO_IDX07
Table: IN_RT_POLICY_OBJ Index: RT_PO_IDX08
Table: IN_RT_SET Index: RT_SET_IDX09
Table: IN_RT_SET Index: RT_SET_IDX10
Table: IN_RT_TIME_PERIOD Index: RT_TP_IDX03
Table: IN_SC_GROUP Index: SC_GROUP_IDX05

	Table: IN_SC_GROUP Index: SC_GROUP_IDX06 Table: IN_SC_USR Index: SC_USR_IDX07 Table: IN_SEQUENCE Index: SEQUENCE_IDX02 Table: IN_SUBOB_TEMPL Index: SUBOB_TEMPL_IDX_05 Table: IN_TASK_TEMPLATE Index: TASK_TEMPL_IDX14 Table: IN_VIEW Index: VIEW_IDX09 Table: IN_VSL_RULE Index: RULE_IDX03 Table: IN_WF_INTEGRATION_QUEUE Index: WIQ_IDX04 Table: IN_WF_ITEM Index: WF_ITEM_IDX_14 Table: IN_WF_PROCESS Index: WF_PROCESS_IDX_04 Table: IN_WS_DATA_DEF Index: WS_DATA_DEF_IDX03 Table: IN_WS_FILE Index: WS_FILE_IDX_04 Table: IN_WS_PRES Index: WS_PRES_IDX_03 New Index Columns: Table: IN_LIC_TOKEN Index: LIC_TOKEN_IDX02 Column: ACCESS_TIME Table: IN_PROJ_TYPE Index: PROJ_TYPE_IDX_02 Column: PROJ_TYPE_NAME New Foreign Keys: Table: IN_CAPTURE_SOURCE_OUTLOOK FKey: FK_CAPSO_ICT_ID Table: IN_CONTEXT_MAP_ITEM_SRC FKey: FK_CMIS_RC_ID Table: IN_ELEMENT_TYPE FKey: FK_ET_D_ID Table: IN_FAX_RECIPIENT FKey: FK_FR_D_ID Table: IN_LIC_MON FKey: FK_LIC_MON_AG_ID Table: IN_LIC_MON FKey: FK_LIC_MON_LUG_ID Table: IN_LIST_ITEM FKey: FK_LIST_ITEM_D_ID Table: IN_RT_AUTHORITY FKey: FK_RTA_D_ID Table: IN_RT_HOLD FKey: FK_RHOLD_D_ID Table: IN_RT_OFFLINE_LOC FKey: FK_RTOL_D_ID Table: IN_RT_POLICY FKey: FK_RP_D_ID Table: IN_RT_SET FKey: FK_RSET_PO_ID Table: IN_RT_TIME_PERIOD FKey: FK_RTTP_D_ID Table: IN_SC_USR FKey: FK_SCU_LUG_ID Table: IN_VSL_RULE FKey: FK_VR_D_ID Table: IN_WF_ITEM FKey: FK_WI_INSTANCE_ID New Columns: Table: IN_CAPTURE_SOURCE Column: CATEGORY Table: IN_CONTEXT_MAP_ITEM_SRC Column: RECORD_CATEGORY_ID Table: IN_DEPT Column: DEPT_PREFIX Table: IN_ELEMENT_TYPE Column: DEPT_ID Table: IN_FAX_RECIPIENT Column: DEPT_ID Table: IN_LIC_MON Column: CLIENT_TYPE Table: IN_LIC_MON Column: ALLOC_GROUP_ID Table: IN_LIC_MON Column: LIC_USR_GROUP_ID Table: IN_LIC_TOKEN Column: ACCESS_TIME Table: IN_LIST_ITEM Column: DEPT_ID Table: IN_LM_APP_PLAN Column: CATEGORY Table: IN_PHSOB Column: FILE_SIZE Table: IN_PHSOB Column: CHECKSUM Table: IN_PHSOB Column: CHECKSUM_TYPE Table: IN_PHSOB Column: VERIFY_TIME Table: IN_PHSOB Column: VERIFY_STATE Table: IN_PROJ Column: CLOSED_STATUS Table: IN_PROJ Column: IS_UNDER_POLICY

Table: IN_PROJ Column: HAS_PHS_FILE_REF
Table: IN_RT_AGENT_STATE Column: JOB_STATE
Table: IN_RT_AGENT_STATE Column: LAST_RUN_TIME
Table: IN_RT_AUTHORITY Column: DEPT_ID
Table: IN_RT_HOLD Column: DEPT_ID
Table: IN_RT_OFFLINE_LOC Column: DEPT_ID
Table: IN_RT_POLICY Column: DEPT_ID
Table: IN_RT_POLICY_OBJ Column: EST_CUTOFF_TIME
Table: IN_RT_POLICY_OBJ Column: EST_CUTOFF_CALC_TIME
Table: IN_RT_POLICY_OBJ Column: EST_DISPOSITION_TIME
Table: IN_RT_POLICY_OBJ Column: EST_DISPOSITION_CALC_TIME
Table: IN_RT_SET Column: POLICY_OBJ_ID
Table: IN_RT_SET Column: PATH_OBJ_ID
Table: IN_RT_TIME_PERIOD Column: DEPT_ID
Table: IN_SC_GROUP Column: IS_GLOBALLY_VISIBLE
Table: IN_SC_USR Column: LIC_USR_GROUP_ID
Table: IN_VSL_RULE Column: DEPT_ID
Table: IN_WF_ITEM Column: INSTANCE_ID

Removed Tables:

IN_ADDENDUM_TEMPLATE
IN_ADDENDUM_TEMPLATE_DATA
IN_RC_ADDRESSEE
IN_RC_FOLDER
IN_RC_FOLDER_POLICY
IN_RC_FOLDER_TYPE
IN_RC_FOLDER_TYPE_LIST
IN_RC_FOLDER_TYPE_LIST_MEMBER
IN_RC_METADATA
IN_RC_METADATA_ADDRESSEE
IN_RC_METADATA_INSTANCE

Removed Columns:

Table: IN_AUDIT_TEMPLATE Column: DEPT_ID
Table: IN_DEPT Column: IS_ACTIVE
Table: IN_RS Column: DEPT_ID
Table: IN_RT_HOLD_RESOLVED Column: HOLD_STATE
Table: IN_SCRIPT Column: DEPT_ID

Remove Indexes:

Table: IN_RT_HOLD_RESOLVED Index: RT_HRES_IDX02
Table: IN_SC_GROUP Index: SC_GROUP_IDX04

Removed Index Columns:

Table: IN_AUDIT_TEMPLATE Index: AT_IDX02 Column: TEMPLATE_NAME
Table: IN_DOC_TYPE_LIST_REL Index: DTLR_IDX02 Column: SEQ_NUM
Table: IN_LIC_MON Index: LIC_MON_IDX03 Column: LOGIN_TIME
Table: IN_LM_SCREEN_CONTEXT_MAP Index: LM_SCM_IDX02 Column: SCREEN_ID
Table: IN_SC_GROUP Index: SC_GROUP_IDX02 Column: GROUP_NAME

Removed Foreign Keys:

Table: IN_AUDIT_TEMPLATE FKey: FK_AT_D_ID

	Table: IN_PHSOB FKey: FK_PO_FORM_ID Table: IN_RS FKey: FK_RS_DEPT_ID Table: IN_SCRIPT FKey: FK_S_DEPT_ID Mismatch Column Names: Table: IN_CAPTURE_SOURCE_OUTLOOK Column: ATTACHMENT_MODE Column: STORAGE_MODE Table: IN_CAPTURE_SOURCE_OUTLOOK Column: AUTO_CAPTURE_MODE Column: CONTENT_MODE Table: IN_DOC Column: IS_PROTECTED Column: PROTECTION_STATUS Table: IN_DOC_TYPE Column: IS_RECORD_TYPE Column: CATEGORY Table: IN_PROJ Column: IS_PROTECTED Column: PROTECTION_STATUS Mismatch Column Length - Table: IN_MESSAGE Column: SENDER Length: 31 Length: 40 Mismatch Column Nullable - Table: IN_APPROVAL_SET Column: PROJ_ID Nullable: FALSE Nullable: TRUE Mismatch Index Name - Table: IN_FORM Index: XIE1IN_FORM Index: FORM_IDX02 Mismatch Index Uniqueness: Table: IN_DOC_TYPE_LIST_REL Index: DTLR_IDX02 Unique: TRUE Unique: FALSE Table: IN_FAX_RECIPIENT Index: FAX_REC_IDX02 Unique: FALSE Unique: TRUE Table: IN_LM_SCREEN_CONTEXT_MAP Index: LM_SCM_IDX02 Unique: FALSE Unique: TRUE Mismatch Index Column Names: Table: IN_AUDIT_TEMPLATE Index: AT_IDX02 Column: DEPT_ID Column: TEMPLATE_NAME Table: IN_DOC_TYPE Index: DOC_TYPE_IDX2 Column: IS_RECORD_TYPE Column: CATEGORY Table: IN_DOC_TYPE_LIST_REL Index: DTLR_IDX02 Column: PARENT_DOC_TYPE_LIST_ID Column: SEQ_NUM Table: IN_PROJ_TYPE Index: PROJ_TYPE_IDX_02 Column: PROJ_TYPE_NAME Column: CATEGORY Table: IN_SC_GROUP Index: SC_GROUP_IDX02 Column: DEPT_ID Column: GROUP_NAME
Incremental 7.0.5.767_to_7.0.5.860	No schema changes are included in this incremental. The incrementals contain conditional SQL to rename any primary key indexes that do not have the same name as the actual primary key constraint. **Note** This only affects Oracle databases and fixes any constraint/index name inconsistencies for schemas that started on version 6.4 or earlier. This issue does not exist for SQL Server databases, so the SS incrementals only contain the DML to update the schema version number.

Incremental 7.1.0.1	Created Tables:
	IN_OSM_PLUGIN IN_OSM_PLUGIN_PROP IN_OSM_TREE_EXT IN_OSM_TREE_EXT_PROP
	Created Columns - Table: IN_PHSOB:
	PHSOB_VER ENCRYPTION_TYPE
	Removed Columns – Table: IN_OSM_TREE
	MIRRORING_ON RETRIEVE_TREE TREE_PATH TREE_PATH_MIRROR NEXT_SLOT MEDIA_TYPE MIRROR_MEDIA_TYPE FILES_PER_DIR RETRIES DELAY OSM_INTEGRATION OBJ_COUNT

Incremental 7.1.0.2	Created Table:
	IN_CAPTURE_SOURCE_PROP
	Removed Tables:
	IN_APPLET
	IN_CAPTURE_SOURCE_FILE
	IN_CAPTURE_SOURCE_SCANNER
	IN_DEP_APPROVAL_DEF_USR
	IN_DEP_CONTEXT_MAP_ITEM
	IN_DEP_USR_APP_PLAN_PRIV
	IN_DEP_USR_BATCH_CREATOR_PRIV
	IN_DEP_USR_BATCH_DOC_TYPE_P
	IN_DEP_USR_BATCH_DRAWER_PRIV
	IN_DEP_USR_CAPTURE_PROFILE_P
	IN_DEP_USR_CAPTURE_SOURCE_P
	IN_DEP_USR_DOC_TYPE_PRIV
	IN_DEP_USR_DRAWER_PRIV
	IN_DEP_USR_GROUP
	IN_DEP_USR_OUTPUT_PROFILE
	IN_DEP_USR_PRIV
	IN_DEP_USR_PROCESS_PRIV
	IN_DEP_USR_PROJ_TYPE_PRIV
	IN_DEP_USR_QUEUE_PRIV
	IN_DEP_USR_ROUTE_PRIV
	IN_DEP_USR_ST_PRES_PRIV
	IN_DEP_USR_SUBOB_TEMPL_PRIV
	IN_DEP_USR_TASK_TEMPLATE_P
	IN_DEP_USR_VIEW_PRIV
	IN_DEVICE_KOFAX
	IN_DEVICE_PIXEL
	IN_DEVICE_TWAIN
	IN_KOFAX_ADV_PROP
	IN_SCAN_DEVICE
	IN_TEMPLATE
	IN_TEMPLATE_CLIPBOARD
	IN_TEMPLATE_HYPERLEARN
	IN_TEMPLATE_HYPERLEARN_KEY
	IN_TEMPLATE_IE_KEY
	IN_TEMPLATE_KEY_PROPS
	IN_TEMPLATE_MSWINDOWS
	IN_TEMPLATE_MSWINDOWS_KEY
	IN_TEMPLATE_NEURAL_NET_KEY
	IN_TEMPLATE_PROPS
	IN_TEMPLATE_SCRIPT
	IN_TEMPLATE_TERMCAP_KEY
	IN_TEMPLATE_WINDOWTEXT
	IN_TEMPLATE_WINDOWTEXT_KEY
	IN_USR_APPLET_PRIV
	IN_USR_LIST
	IN_USR_LIST_ITEM
	IN_USR_PROXY
	IN_USR_PROXY_HIST
	IN_USR_SUBOB_PRIV

Incremental 7.1.0.3	Created Index - Table: IN_OSM_TREE: OSM_TREE_IDX04 Created Column - Table: IN_OSM_TREE: OSM_TREE_NAME Removed Tables: IN_CAPTURE_IP_FILTER IN_IMAGE_PROC_FILTER IN_IP_FILTER_PROP Removed Column - Table: IN_OSM_REDIR: REDIR_LOGIC
Incremental 7.1.0.4	Created Column - Table: IN_PHSOB_CACHE: ENCRYPTION_TYPE
Incremental 7.1.1.0	Created Index - Table: IN_LIC_TOKEN: LIC_TOKEN_IDX05 Created Column - Table: IN_LIC_TOKEN: HWFP Removed Table: IN_LIC_TOKEN_HWFP
Incremental 7.1.1.1	Created Column - Table: IN_WF_QUEUE_ATTR: IS_RFA_DEST

Incremental 7.1.1.2	New Index - Table: IN_OSM_SET: OSM_CTRL_IDX06
	New Column - Table: IN_OSM_SET: IS_REFERENCE_SET
	Removed Table: IN_PHSOB_GROUP
	Primary Key Constraint and Index Renames This incremental includes the renaming of the primary key constraint for most of the tables in the schema to implement a standard naming convention for all primary key constraints. **Note** When changing the name of the primary key constraint, the supporting primary key indexes are renamed to match the constraint name.
Incremental 7.1.1.3	Mismatch Column Type - Table: IN_SCRIPT Column: DATA Type: TEXT Type: VARCHAR(MAX)
Incremental 7.1.5.2	Removed Tables: IN_MESSAGE IN_MESSAGE_QUEUE IN_MESSAGE_QUEUE_MASTER

Appendix B: INI Changes by Release

Use the following table to understand the INI changes required by each release. The installation wizard in Windows updates your INI files. In UNIX, you must manually add any INI changes you need that are listed in the following list:

INI changes from 6.1.0 to 6.1.1

File Name	INI Section Heading	Description of Change
inow.ini	[Fax Out]	Add setting: fax.out.integration=FALSE
inserverBatch.ini	[General]	Add setting: submit.to.content.server=FALSE
inserverImp.ini	[General]	Add setting: submit.to.content.server=FALSE
inserverFT.ini	[Legacy]	Remove settings: begin.link.time end.link.time
		Add settings: begin.creation.time=max end.creation.time=min

INI changes from 6.1.1 to 6.1.2

File Name	INI Section Heading	Description of Change
inow.ini	[Logon Control]	Add settings: LDAP.ImageNow.Groups= LDAP.ssl.cert.path=($IMAGENOWDIR6)/etc
	[Audit] (new section)	Add settings: audit.format=1 login.audit.level=0
inserverMQ.ini	[General]	Change setting from message.pulling.interval to message.polling.interval

INI changes from 6.1.2 to 6.1.3

File Name	INI Section Heading	Description of Change
inow.ini	[DocLock]	Requires you to change the default value as follows for the settings: doclock.lock_retries=5 (change to 5 from 500) doclock.lock_timeout=1000 (change to 1000 from 1)
inserverImp.ini	[General]	Add the default directories for the following settings: import.failed.directory=$(IMAGENOWDIR6)/import/failed import.complete.directory=$(IMAGENOWDIR6)/import/complete

INI changes from 6.1.3 to 6.1.4

File Name	INI Section Heading	Description of Change
inserverMQ.ini	[General]	Add settings: sleep.interval.max=1000 sleep.interval.between.send=100
inserverWorkflow.ini	[General]	Add settings: num.workers=5 refresh.queue.interval.seconds=600
	[Workload]	Add settings: work.load=100 work.load.route.recall=0 work.load.inbound.action=0 work.load.archive=0 work.load.unhold=0

INI changes from 6.1.4 to 6.1.5

File Name	INI Section Heading	Description of Change
inserver.ini	[Remote]	Add setting: vsl.extended.operators.enabled
inow.ini	[Remote] [ODBC]	Add setting: odbc.grid.max.fetch.count=2000
	[Logon Control]	Add settings: logon.minclientversion=0.0.0.1 logon.minclientversion.msg=Consult your system administrator for assistance in upgrading ImageNow Client
	[Locale]	Add setting: supported.locale=en
	[Auto Form]	Add setting: auto.form.integration=FALSE
	[Statistics]	Add settings: stats.all.log.type=2 stats.all.timer.period=1800 stats.all.start.time=0 stats.all.action.length=0 stats.servercall.log.type=0 stats.servercall.timer.period=1800 stats.servercall.start.time=0 stats.servercall.action.length=0 stats.query.log.type=0 stats.query.timer.period=1800 stats.query.start.time=0 stats.query.action.length=0 stats.query.plan.threshold=1 stats.query.plan.freq=1
	[Workload]	Add setting: work.load.unhold=0

INI changes from 6.2 to 6.3

File Name	INI Section Heading	Description of Change
inow.ini	[Network]	Add setting: ipv6.enabled=FALSE
	[OSM]	Remove setting: centera.enabled=FALSE
	[Message Queuing]	Add setting: Mq.agent.ip.general.override=
Inserver.ini	[Logging]	Remove setting: refresh.mode
	[ClientINI] (new section)	Add settings: Client.ini.sync.mode = 0 client.ini.file.path=$(IMAGENOWDIR6)/etc/clientINI/ImageNow.ini client.ini.search.grid.file.path=$(IMAGENOWDIR6)/etc/clientINI/SearchGrid.ini/
inserverBatch.ini	[General]	Remove setting: full.text.enabled=FALSE
inserverEM.ini	[Wesley]	Remove all settings.
inserverFT.ini	[Message Queuing]	Add settings: mq.agent.ip.enable.override=FALSE mq.agent.ip.address.override=
inserverImp.ini	[General]	Add settings: num.directory.workers=1 num.import.workers= 1
	[Mode COMBO]	Change default setting: Combined.inx.data.file.ext=CMX
	[Readsoft]	Remove section.

	[Data Capture]	Add settings: extension to capture = tif bypass.qa = true use.previous.keys.when.missing = FALSE capture.template = split.multipage.tiffs = TRUE scan.user.name =
	[File Contention]	Remove setting: sleep = 100
	[Data Capture]	Note In this file, you can duplicate some settings, such as: import.directory, send.to.queue, import.failed.directory, import.complete.directory, and capture.template. We recommend you check the INI tables provided in the installation guide.
	[Logging]	Remove settings: user.validation=1 reconnect.interval=60 job.poll.duration=2 job.poll.sleep=0
inserverMA.ini	[Message Queuing] New section	Add settings: mq.agent.ip.enable.override=FALSE mq.agent.ip.address.override=
inserverMonitor.ini	[Defaults]	Comment out the following settings and then remove the assigned strings: ;Defaults.ToEmailAddress = ;Defaults.FromEmailAddress = ;Defaults.FromEmailAddress =
	[Email]	Comment out the following setting and then remove the assigned string: ;Email.SmtpServer =
		Comment out the following setting: ;Email.Port=25

inserverUR.ini	[General]	Add settings:
		ur.strict.user.sync.mode=0
		ur.max.retry.attempts=5
		ldap.is.ad.server=FALSE
inserverWorkflow.ini	[Workload]	Work.load.removal = 0

INI changes from 6.3 to 6.4

File Name	INI Section Heading	Description of Change
inow.ini	[OSM]	Remove setting: update.pointer.retries
		Rename setting from: filesystem.minimum_required_space to: filesystem.minimum.required.space
inserver.ini	[Timing] New Section	timing.enabled = 1
		timing.threshold.percentage = 10
		timing.collection.interval = 4
		timing.data.life = 14
		timing.max.purge.size = 1000
		timing.cleanup.period = 6
		timing.purge.delay = 60
		timing.category.viewer.enabled = TRUE
		timing.category.viewer.report.threshold = 5
		timing.category.workflow.enabled = TRUE
		timing.category.workflow.report.threshold = 5
		timing.category.worksheets.enabled = TRUE
		timing.category.worksheets.report.threshold = 5
inserverBatch.ini	[Remote]	Remove section.
inserverMonitor.ini	[Defines]	You no longer need to append .exe to the agent names. Add inserverTask.exe for the Task Agent.
inserverTask.ini	New File	For a description of these settings, refer to the *Perceptive Content Server and Client Installation Guide.*

File Name	INI Section Heading	Description of Change
inserverWorkflow.ini	[Workload]	Remove settings: work.load.route.recall work.load.inbound.action work.load.within.action work.load.removal

INI changes from 6.4.x to 6.5

File Name	INI Section Heading	Description of Change
imagenow.ini	[Learn Preferences]	Add settings: HyperlearnDisableRemoveFocus=0 HyperlearnBringAppForward=FALSE DisableFontSmoothing=FALSE BatchOnlyRememberKeys=FALSE
	[PowerVu Settings]	document.viewer.title=Document - %DocType% project.viewer.title=Project - %ProjectType% - %ProjectName%
inow.ini	[Logon Control]	Add setting: LDAP.ImageNow.Users
inow.ini (continued)	[Statistics]	Change the default value for stats.wfaction.log.type from 1 to 0. stats.query.plan.threshold=1.0 stats.query.plan.freq=1 stats.storage.log.type=0 stats.storage.timer.period=1800 stats.storage.start.time=0 stats.storage.action.length=0 stats.job.log.type=0 stats.job.timer.period=1800 stats.job.start.time=0 stats.job.action.length=0
		Add settings: webnow.url=http://host/webnow/ webnow.getpage=document/

File Name	INI Section Heading	Description of Change
	[WebNow]	Add settings: Thumbnail.max.size=100 allow.move.page=FALSE
inserver.ini	[General]	Add setting: queue.email.link=0
inserverAlarm.ini	[Email]	Add settings: batch.delete.size=500 destruction.wait.time=0 num.transfer.workers=1
inserverIMP.ini	[General]	Add setting: xml.file.ext=xml
	[Mode DOD_XML] New Section	For a description of these settings, refer to your *Perceptive Content Server and Client Installation Guide*.
inserverNotification.ini	New File	For a description of these settings, refer to your *Perceptive Content Server and Client Installation Guide*.
inserverRetention.ini	New File	Add setting: poll.interval=5
inserverWorkflow.ini	[General]	

INI changes from 6.5.x to 6.6.x

File Name	INI Section Heading	Description of Change
inow.ini	[OSM]	Remove setting: centera.cache.dir
	[Directory locations]	Remove settings: worksheet.dir worksheet.shared
	[Statistics]	Add settings: stats.thread.log.type=0 stats.thread.timer.period=1800 stats.thread.start.time=0 stats.thread.action.length=0

	[WebNow]	Add settings: webnow.url=http://host/webnow webnow.getpage=document/
	[DigitalSignature]	Add settings: digIDExpireInterval=365 digSigReportDisplay=1 digSigPwdOption=FALSE dig.sig.pwd.webnow.timeout=-1 dig.sig.pwd.imagenow.timeout=-1 dig.sig.lock.addendum.only=FALSE
inserver.ini	[General]	Remove setting: allow.move.page=
		Changed setting functionality: num.workers You can adjust the number of worker threads during runtime without having to stop and restart the ImageNow Server.
	[WebNow]	Remove settings: webnow.url= webnow.getpage=
	[Network]	Remove settings: local.hostmane.useoverride=FALSE localhostname.override=
		Add settings: remote.hostname.useoverride=FALSE remote.hostname.override.<hostname>=NEWNAME
	[Timing]	Remove settings: timing.state.removal= timing.category.worksheets.enabled= timing.category.worksheets.report.threshold=

	[Timing]	Add settings: timing.category.forms.enabled=TRUE timing.category.forms.report.threshold=5
InserverImp.ini	[Mode]	Add setting: capture.profile
InserverEM.ini	[Purge]	Add settings: purge.complete.messages hours.to.keep.completed.messages purge.errored.messages hours.to.keep.errored.messsages
InserverFP.ini	New File	Refer to the *ImageNow File Processing Agent Installation and Setup Guide*.
InserverMQ.ini	[Network]	Add settings: local.hostname.override= local.hostnameuseoverride=FALSE
inserverWorkflow.ini	N/A	Remove the following setting: poll.interval=
	[General]	Changed setting functionality: num.workers You can adjust the number of worker threads during runtime without having to stop and restart the Perceptive Content Server.
inserverOSM.ini	New File	For a description of these settings, refer to the *Perceptive Content Server and Client Installation Guide*.
	[Network]	Changed setting functionality: num.connection.workers You can adjust the number of worker threads during runtime without having to stop and restart the Perceptive Content Server.

INI changes from 6.6.x to 6.7.x

File Name	INI Section Heading	Description of Change
inow.ini	[General]	Add setting: resource.monitor.query.timeout

		[Message Queuing]	Add settings: mq.agent.ip.address mq.agent.ip.port mq.agent.ip.general.override
		[Statistics]	Add settings: stats.image.log.type stats.image.timer.period stats.image.start.time stats.image.action.length
		[Envoy] New section	Add setting: date.time.zone.enabled
		[Digital Signature] Remove section	Remove section and settings.
		[OSM]	Remove setting: centera.temp.dir
		[Directory Locations]	Remove setting: user.dir
			Add setting: logging.dir
		[Licenses] New section	Add settings: combo.imagenow.number combo.webnow.number combo.interact.desktop.number
		[Memory] New section	Add setting: receive.memory.threshold.mb
		[Folders] New section	Add setting: search.in.subfolders.enable
inserver.ini		[General]	Remove setting: inowd.heartbeat.timeout

		Add settings: client.autotimeout.warning client.alwaysdeletelocalcopy thumbnail.max.size thumbnail.batch.size num.crossnode.cache.workers navigation.thumbnails.enabled
		Changed setting functionality: num.workers You can adjust the number of worker threads during runtime without having to stop and restart the ImageNow Server.
	[Network]	Add settings: inowd.Primary.port inowd.Secondary.port
	[AutoUpdate]	Remove the section and associated settings.
	[Timing]	Remove settings: timing.collection.interval timing.data.life timing.state.removal.period
		Add settings: timing.threshold.enabled timing.detail.purge.enabled timing.detail.retention.period timing.aggregation.enabled timing.aggregate.purge.enabled timing.aggregate.retention.period
	[Business Insight]	Add setting: business.insight.max.output.default
	[Folders] New Section	Add settings: folders.move.maximum.results folders.path.delimeter
	[LearnMode] New Section	Add setting: pretrieve.interval

inserverAlarm.ini	[General]	Remove setting: polling.interval
		Add setting: num.workers
	[Modem] Remove Section	Remove section and settings.
	[Email]	Remove settings: smtp.server port
	[Logging]	Remove setting: debug.level.pipe
inserverBatch.ini	[General]	Remove settings: poll.interval number.of.server.agents
		Add setting: remove.old.service
	[Logging]	Remove setting: debug.level.pipe
inserverEM.ini	[General]	Add setting: remove.old.service
	[Expire] New Section	Add settings: reset.expired.messages minutes.to.expire
inserverFS.ini	[General]	Remove settings: num.transfer.workers num.osm.replication.workers max.osm.replication.retries

		Add settings: remove.old.service no.work.delay.max.seconds
inserverIMP.ini	[Key Mapping]	Remove settings: Folder Tab F3 F4 F5
		Add settings: field1 field2 field3 field4 field5
	[DATA_CAPTURE]	Remove settings: capture.template.<n>
		Add setting: import.DC.Template
	[Remote]	Add settings: heartbeat.interval socket.login.timeout socket.default.timeout reconnect.interval
		Remove settings: serial.number.format serial.number.startvalue bypass.write.cache
	[Serial Number] New Section	Add settings: serial.number.format serial.number.startvalue

	[OSM] New Section	Add setting: bypass.write.cache
inserverJob.ini	[General]	Add setting: remove.old.service
	[Logging]	Remove setting: debug.level.pipe
inserverMonitor.ini	[Logging]	Remove setting: debug.level.pipe
inserverMQ.ini	[General]	Add setting: remove.old.service
		Remove settings: sleep.interval.max sleep.interval.between.send
		Changed setting functionality: num.workers You can adjust the number of worker threads during runtime without having to stop and restart the ImageNow Server.
	[Logging]	Remove setting: debug.level.pipe
	[Network]	Add settings: ip.bind.address ip.bind.port
inserverNotification.ini	[General]	Add setting: remove.old.service
	[Logging]	Remove setting: debug.level.pipe

inserverOSM.ini	[General] New Section	Add settings: num.transfer.workers num.osm.replication.workers max.osm.replication.retries num.osm.background.workers osm.cleanup.interval.seconds max.osm.concurrent.leases remove.old.service
	[Network]	Changed setting functionality: num.connection.workers You can adjust the number of worker threads during runtime without having to stop and restart the ImageNow Server.
inserverRetention.ini	[Notification] New Section	Add settings: notify.frequency notify.weekly.day notify.monthly.day notify.yearly.month notify.yearly.day
	[General]	Add setting: work.timeout.seconds remove.old.service
	[Logging]	Remove setting: debug.level.pipe
inserverTask.ini	[General]	Add setting: remove.old.service
	[Logging]	Remove setting: debug.level.pipe
inserverWorkflow.ini	[General]	Add settings: num.crossnode.cache.workers remove.old.service

		Changed setting functionality: num.workers You can adjust the number of worker threads during runtime without having to stop and restart the ImageNow Server.
	[Workload]	Changed the names of the settings in this section to: retention.removal.schedule.mode retention.removal.schedule.start retention.removal.schedule.duration
		Remove setting: work.load
	[Logging]	Remove setting: debug.level.pipe

INI changes from 6.7.x to 7.0.x

File Name	INI Section Heading	Description of Change
inow.ini	[ODBC]	Changed setting functionality: odbc.dsn Remove Setting: odbc.grid.max.fetch.count
	[Licenses]	Remove Setting: combo.imagenow.number combo.webnow.number combo.interact.desktop.number Add Setting: hardware.amazonec2.support
	[Logon Control]	Change setting functionality: LDAP.ssl.cert.path
	[Full Text]	Change Setting Condition: full.text.integration

		[Migration] New Section	Add Setting: migration.enabled
		[iScprit] New Section	Add Setting: iscript.encoding
		[Records] New Section	Add Setting: records.retain.metadata declare.record.default.organization
inserver.ini		[ClientINI]	Remove Setting: client.ini.file.path client.ini.search.grid.file.path
		[Business Insight]	Remove Setting: business.insight.address Add Setting: business.insight.url business.insight.dispatcher
		[LearnMode]	Change Setting Functionality: Pretrieve.interval
		[Departments] New Section	Add Setting: department.labeling.enabled department.labeling.separator
inserverFT.ini New File		[General] New Section	Add Setting: fulltext.workqueue.suspenduntilindexed num.job.workers remove.old.service
		[Logging] New Section	Add Setting: debug.level.file

	[Legacy] New Section	Add Setting: enabled begin.creation.time end.creation.time minutes.between.legacy.submissions legacy.submission.group.size mime.type.filter drawer.filter field1.filter field2.filter field3.filter field4.filter field5.filter doc.type.filter
	[Network]	Add Setting: local.hostname.useoverride local.hostname.override remote.hostname.useoverride remote.hostname.override.OLDNAME active.threshold num.connection.workers num.active.monitor.threads poll.delay.msec ip.port ip.address heartbeat.timeout
inserverIMP.ini	[General]	Add Setting: file.encoding
	[Mode DOD_RECOR D] New Section	Add Setting: manifest.file.ext dod.file.retry.attempts dod.file.status.report file.plan.name record.type.name record.folder.type.name

	[DOD Record Metadata Mapping] New Section	Add Setting: field1 field2 field3 field4 field5
	[Key Mapping]	Changed Setting Functionality: drawer field1 field2 field3 field4 field5
inserverMonitor.ini	[Defaults]	Remove Setting: Defaults.Memory Defaults.CpuUsage Defaults.NonResponsiveTime Defaults.TimeSinceStart Defaults.Threads Defaults.GDI Defaults.Handles Defaults.DumpDirectory Defaults.ToEmailAddress Defaults.FromEmailAddress Defaults.Program
	[Email] Remove Section	Remove Setting: Email.SmtpServer Email.Port
	[Ignore] Remove Section	Remove Setting: Ignore.AllNonWatchedProcesses
	[Defines]	Remove Setting: iConvert iUpgrade

	[Profiles]	Profile1.Event1.Action1.FailedAction1 Profile2.Event1 Profile2.Event1.Action1
	[Processes]	Changed Setting Condition: FullTextAgent MonitorAgent.Event1.Time MonitorAgent.Event1.Day Remove Setting: iConvert iUpgrade
inserverOSM.ini	[Verification] New Section	Add Setting: background.validation.enabled min.verify.interval.weeks max.creation.age.weeks
inserverRetention.ini	[Remove]	Add Setting: removed.from.hold.group.size
	[Notification]	Add Setting: due.for.review.group.size due.for.review.interval.hours
	[Cutoff] New Section	Add Setting: delay.between.cutoff max.items.to.cutoff

INI changes from 7.0.x to 7.1.x

File Name	INI Section Heading	Description of Change
Agent's Configuration	[Network]	Remove Setting: mq.subscriber.active.threshold mq.subscriber.num.active.monitor.threads mq.subscriber.poll.delay.msec mq.subscriber.heartbeat.timeout
inmc.ini	[Remote]	Add File and Setting: socket.default.timeout
inow.ini	[General]	Add Setting: num.crossnode.cache.recovery.attempts
	[Network]	Remove Setting: mq.acknowledgements.disabled.setting mq.ack.monitor.delay mq.ack.timeout mq.seconds.between.async.connection.attempts remote.mq.override.enabled remote.mq.override.instance.name mq.heartbeat.interval Add Setting: encryption.symmetric.min.key.strength encryption.symmetric.max.key.strength encryption.asymmetric.min.key.strength encryption.asymmetric.max.key.strength

	[Message Queuing]	Remove Setting: mq.agent.ip.address mq.agent.ip.port Add Setting: mq.host mq.port mq.vhost mq.username mq.password mq.password.encrypted mq.secure.enable mq.validate.server.certificate.enable mq.client.reconnect.interval mq.client.host mq.client.username mq.client.password mq.client.password.encrypted mq.client.secure.enable mq.client.validate.server.certificate.enable
	[ODBC]	Remove Setting: odbc.userid odbc.password Add Setting: odbc.user.password odbc.user.password.encrypted odbc.user.id
inserverMonitor.ini	[Definesl]	Add Setting: FileSystemAgent NotificationAgent OSMAgent RetentionAgent

	[Processes]	Add Setting:
		FileSystemAgent
		NotificationAgent
		OSMAgent
		RetentionAgent
		TaskAgent
inserverWorkflow.ini	[Workload]	Add Setting:
		Workload.preference
Installer.ini	[Nodes]	Change Setting functionality:
		Inuse=2

Appendix C: Perceptive Content Upgrade Paths

When upgrading from a previous version of Perceptive Content or ImageNow, it is important to understand the proper upgrade path. The following table provides all upgrade paths currently allowed for Perceptive Content and ImageNow.

Upgrade paths

Desired version	Oldest version allowed for upgrade
Perceptive Content 7.1.x	ImageNow 6.7
Perceptive Content 7.0.5	ImageNow 6.3
ImageNow 6.8	ImageNow 6.3
ImageNow 6.7	ImageNow 6.1

Installer upgrade commands

When performing an upgrade, the installer runs the upgrade commands for the version to which you are upgrading. The following sections provide the required commands for each version of Perceptive Content and ImageNow.

Perceptive Content 7.1.5

```
inupgradeutil process-jobs-invalid-state
inupgradeutil republish-jobs
```

Perceptive Content 7.1.1

```
intool --cmd  expire-digital-ids
intool --cmd create-output-profiles
inupgradeutil upgrade-default-osm-sets
inupgradeutil clean-audit-templates
inupgradeutil upgrade-audit-templates
inupgradeutil upgrade-custom-properties
inupgradeutil upgrade-approval-task-templates
inupgradeutil upgrade-policy-queues
inupgradeutil upgrade-type-holds
inupgradeutil upgrade-workflow-routes
inupgradeutil upgrade-project-referenced-documents
intool --cmd reset-queue-user-count
inupgradeutil upgrade-views
inupgradeutil upgrade-view-columns
inUpgradeutil upgrade-users
inupgradeutil upgrade-osm --level 3
inupgradeutil upgrade-digsig-version
inupgradeutil update-rules --level 3
inupgradeutil upgrade-privs --from (ImageNow 6.3-6.8, Perceptive Content 7.0.x)
```

If upgrading from ImageNow 6.1-6.6:

```
inupgradeutil upgrade-context-maps
```

If upgrading from ImageNow 6.5:

```
inupgradeutil upgrade-policies --level 3
```

If upgrading from ImageNow 6.1-6.4:

```
inupgradeutil import-all-audit-templates
```

If upgrading from ImageNow 6.2 or newer:

```
intool -cmd create-default-view
```

Perceptive Content 7.1.0

```
intool --cmd  expire-digital-ids
intool --cmd create-output-profiles
inUpgradeUtil upgrade-default-osm-sets
inUpgradeUtil clean-audit-templates
inUpgradeUtil upgrade-audit-templates
inUpgradeUtil upgrade-custom-properties
inUpgradeUtil upgrade-approval-task-templates
inUpgradeUtil upgrade-policy-queues
inUpgradeUtil upgrade-type-holds
inUpgradeUtil upgrade-workflow-routes
intool --cmd reset-queue-user-count
inUpgradeUtil upgrade-views
inUpgradeUtil upgrade-view-columns
inUpgradeUtil upgrade-users
inUpgradeUtil upgrade-osm --level 3
inUpgradeUtil upgrade-digsig-version
inUpgradeUtil update-rules --level 3
inUpgradeUtil upgrade-privs --from (ImageNow 6.3-6.8, Perceptive Content 7.0.x)
```

If upgrading from ImageNow 6.1-6.6:

```
inUpgradeUtil upgrade-context-maps
```

If upgrading from ImageNow 6.5:

```
inUpgradeUtil upgrade-policies --level 3
```

If upgrading from ImageNow 6.1-6.4:

```
inUpgradeUtil import-all-audit-templates
```

If upgrading from ImageNow 6.2 or newer:

```
intool --cmd create-default-view
```

Perceptive Content 7.0.5

```
intool --cmd  expire-digital-ids
intool --cmd create-output-profiles
inUpgradeUtil upgrade-default-osm-sets
inUpgradeUtil clean-audit-templates
inUpgradeUtil upgrade-audit-templates
inUpgradeUtil upgrade-custom-properties
inUpgradeUtil upgrade-approval-task-templates
inUpgradeUtil upgrade-policy-queues
inUpgradeUtil upgrade-type-holds
inUpgradeUtil upgrade-workflow-routes
intool --cmd reset-queue-user-count
inUpgradeUtil upgrade-views
```

```
inUpgradeUtil upgrade-view-columns
inUpgradeUtil upgrade-users
inUpgradeUtil upgrade-osm --level 3
inUpgradeUtil upgrade-digsig-version
inUpgradeUtil update-rules --level 3
inUpgradeUtil upgrade-privs --from (ImageNow 6.3-6.8, Perceptive Content 7.0.x)
```

If upgrading from ImageNow 6.1-6.6:

```
inUpgradeUtil upgrade-context-maps
```

If upgrading from ImageNow 6.5:

```
inUpgradeUtil upgrade-policies --level 3
```

If upgrading from ImageNow 6.1-6.4:

```
inUpgradeUtil import-all-audit-templates
```

If upgrading from ImageNow 6.2 or newer:

```
intool --cmd create-default-view
```

ImageNow 6.8.0

```
intool --cmd create-output-profiles
inUpgradeUtil upgrade-workflow-routes
intool --cmd reset-queue-user-count
inUpgradeUtil upgrade-views
inUpgradeUtil upgrade-users
inUpgradeUtil upgrade-osm --level 3
inUpgradeUtil update-rules --level 3
inUpgradeUtil upgrade-privs --from (ImageNow 6.3-6.7)
```

If upgrading from ImageNow 6.1-6.6.x:

```
inUpgradeUtil upgrade-context-maps
```

If upgrading from ImageNow 6.5:

```
inUpgradeUtil upgrade-policies --level 3
```

If upgrading from ImageNow 6.1-6.4:

```
inUpgradeUtil import-all-audit-templates
```

If upgrading from ImageNow 6.2 or newer:

```
intool --cmd create-default-view
```

ImageNow 6.7

```
intool.exe --cmd create-default-view --replace
intool.exe --cmd create-output-profiles
inUpgradeUtil upgrade-workflow-routes
intool --cmd reset-queue-user-count
inUpgradeUtil upgrade-views
inUpgradeUtil upgrade-users
inUpgradeUtil upgrade-osm --level 3
inUpgradeUtil update-rules --level 3
inUpgradeUtil upgrade-privs --from (ImageNow 6.1-6.6)
```

If upgrading from ImageNow 6.1-6.6:

```
inUpgradeUtil upgrade-context-maps
```

If upgrading from Imagenow 6.5:

```
inUpgradeUtil upgrade-policies --level 3
```

If upgrading from ImageNow 6.1-6.4:

```
inUpgradeUtil import-all-audit-templates
```

If upgrading from ImageNow 6.2 or newer:

```
intool --cmd create-default-view
```

If upgrading from ImageNow 6.1 or earlier:

```
inUpgradeUtil upgrade-digsig-reasons --level 3
inUpgradeUtil upgrade-learn-mode --convert --level 3
inUpgradeUtil upgrade-server-queries --level 3
```

Appendix D: Perceptive iScript Standard Template Library

iScript Standard Template Library

The iScript Standard Template Library (STL) is a library of functions created to increase the speed and effectiveness of iScript development. The library is available to any Enterprise Software customer with a current iScript license. The STL is updated for new releases of Perceptive Content. If you use the STL, you should upgrade the library when upgrading to a new version of Perceptive Content. You can download the iScript STL from the Downloads tab through the Customer Portal.