

# Audit Record Repository Manager

## Technical Specifications

Version: 2.0.x

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## About Audit Record Repository Manager technical specifications

Audit Record Repository (ARR) is a system unit that receives and collects audit records from multiple systems and helps to meet the requirements for patient information privacy as prescribed by the Health Insurance Portability and Accountability Act (HIPAA) regulation. Exchanges and access to this information that is outside the scope of regular treatment, planning, or healthcare operations should be registered in an audit trail that can be regularly inspected. Integrating the Healthcare Enterprise (IHE) specifies the exchange protocol between individual devices that collect the audit trail information using a central audit repository to replace multiple audit trails for each individual system.

The IHE initiative defines a set of profiles, actors, and transactions that create common scenarios for particular workflow processes. The Integration Profiles depict security as a fundamental requirement of the framework. Specifically, the Audit Trail and Node Authentication (ATNA) profile defines standards-based mechanisms for securely transmitting and storing audit records in a central repository. The data structure defined by the profile provides a number of record types that capture different audit events.

Acuo Audit Record Repository Manager, a central audit server repository, provides secure (TLS) and non-secure (UDP and TCP) transmission and auditing options for different healthcare application systems. It can receive messages in both RFC-3881 and the new DICOM schemas. It provides a secure web application for efficient searching, viewing, and deletion of ATNA messages, apart from other administrative options. The application provides support for “Filter and Forward” options and also allows viewing of audit messages through the new RESTful ATNA protocol designed by IHE.

The technical specifications in this document are specific to Acuo Audit Record Repository Manager 2.0.x. A required amount of memory and disk space is provided. You must meet these requirements to support your Audit Record Repository Manager system. These requirements specifically list the needs of Audit Record Repository Manager and do not include any amount of memory or disk space you require for the operating system, environment, or other software that runs on the same machine.

## Product requirements

Specification	Description
<b>Hardware</b>	A server-class system is required.
<b>Operating Systems</b>	Microsoft Windows Server 2008 R2 or Microsoft Windows Server 2012 or Microsoft Windows Server 2012 R2
<b>Web Application Servers</b>	Apache Tomcat 8 or higher or IIS 7.5 or higher If using IIS, mime types of file extensions such as .json, .less, .woff, and .woff2 are required.
<b>Software</b>	Microsoft .NET Framework 4.5.1 full package SQL Server 2012 or higher
<b>Accessibility</b>	100 MB network minimum, configured at full duplex, is required and a 1 GB network is recommended.
<b>Memory</b>	300 MB

Specification	Description
<b>Disk Space</b>	Audit Record Repository Manager is a data intensive application. At least 20 to 30 GB of free space should be made available to the database server for efficient backup management.
<b>Internet Browser</b>	Google Chrome (52.0.x.x) Internet Explorer 11 Microsoft Edge Mozilla Firefox