

IBM Security Directory Integrator
Version 7.2.0.1

Release Notes



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Note

Before using this information and the product it supports, read the general information under "Notices" on page 9.

Edition notice

Note: This edition applies to version 7.2.0.1 of *IBM Security Directory Integrator* licensed program (5724-K74) and to all subsequent releases and modifications until otherwise indicated in new editions.

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About this publication

This publication contains the information that you require to develop solutions by using components that are part of IBM® Security Directory Integrator.

IBM Security Directory Integrator components are designed for network administrators who are responsible for maintaining user directories and other resources. It is assumed that you have practical experience with installation and usage of both IBM Security Directory Integrator and IBM Security Directory Server.

The information is also intended for users who are responsible for the development, installation, and administration of solutions by using IBM Security Directory Integrator. The reader must be familiar with the concepts and the administration of the systems that the developed solution would connect to. Depending on the solution, these systems might include, but are not limited to, one or more of the following products, systems, and concepts:

- IBM Security Directory Server
- IBM Security Identity Manager
- IBM Java™ runtime environment (JRE) or Oracle Java runtime environment
- Microsoft Active Directory
- Windows and UNIX operating systems
- Security management
- Internet protocols, including HyperText Transfer Protocol (HTTP), HyperText Transfer Protocol Secure (HTTPS) and Transmission Control Protocol/Internet Protocol (TCP/IP)
- Lightweight Directory Access Protocol (LDAP) and directory services
- A supported user registry
- Authentication and authorization concepts
- SAP ABAP Application Server

Access to publications and terminology

Read the descriptions of the IBM Security Directory Integrator Version 7.2.0.1 library and the related publications that you can access online.

This section provides:

- A list of publications in the “IBM Security Directory Integrator library.”
- Links to “Online publications” on page vi.
- A link to the “IBM Terminology website” on page vii.

IBM Security Directory Integrator library

The following documents are available in the IBM Security Directory Integrator library:

- *IBM Security Directory Integrator Version 7.2.0.1 Federated Directory Server Administration Guide*

Contains information about using the Federated Directory Server console to design, implement, and administer data integration solutions. Also contains

information about using the System for Cross-Domain Identity Management (SCIM) protocol and interface for identity management.

- *IBM Security Directory Integrator Version 7.2.0.1 Getting Started Guide*
Contains a brief tutorial and introduction to IBM Security Directory Integrator. Includes examples to create interaction and hands-on learning of IBM Security Directory Integrator.
- *IBM Security Directory Integrator Version 7.2.0.1 Users Guide*
Contains information about using IBM Security Directory Integrator. Contains instructions for designing solutions using the Security Directory Integrator designer tool (the Configuration Editor) or running the ready-made solutions from the command line. Also provides information about interfaces, concepts and AssemblyLine creation.
- *IBM Security Directory Integrator Version 7.2.0.1 Installation and Administrator Guide*
Includes complete information about installing, migrating from a previous version, configuring the logging functionality, and the security model underlying the Remote Server API of IBM Security Directory Integrator. Contains information on how to deploy and manage solutions.
- *IBM Security Directory Integrator Version 7.2.0.1 Reference Guide*
Contains detailed information about the individual components of IBM Security Directory Integrator: Connectors, Function Components, Parsers, Objects and so forth – the building blocks of the AssemblyLine.
- *IBM Security Directory Integrator Version 7.2.0.1 Problem Determination Guide*
Provides information about IBM Security Directory Integrator tools, resources, and techniques that can aid in the identification and resolution of problems.
- *IBM Security Directory Integrator Version 7.2.0.1 Message Guide*
Provides a list of all informational, warning and error messages associated with the IBM Security Directory Integrator.
- *IBM Security Directory Integrator Version 7.2.0.1 Password Synchronization Plug-ins Guide*
Includes complete information for installing and configuring each of the five IBM Password Synchronization Plug-ins: Windows Password Synchronizer, Sun Directory Server Password Synchronizer, IBM Security Directory Server Password Synchronizer, Domino® Password Synchronizer and Password Synchronizer for UNIX and Linux. Also provides configuration instructions for the LDAP Password Store and JMS Password Store.
- *IBM Security Directory Integrator Version 7.2.0.1 Release Notes®*
Describes new features and late-breaking information about IBM Security Directory Integrator that did not get included in the documentation.

Online publications

IBM posts product publications when the product is released and when the publications are updated at the following locations:

IBM Security Directory Integrator Library

The product documentation site (<http://www-01.ibm.com/support/knowledgecenter/SSCQGF/welcome>) displays the welcome page and navigation for this library.

IBM Security Systems Documentation Central

IBM Security Systems Documentation Central provides an alphabetical list of all IBM Security Systems product libraries and links to the online documentation for specific versions of each product.

IBM Publications Center

The IBM Publications Center site (<http://www-05.ibm.com/e-business/linkweb/publications/servlet/pbi.wss>) offers customized search functions to help you find all the IBM publications you need.

Related information

Information related to IBM Security Directory Integrator is available at the following locations:

- IBM Security Directory Integrator uses the JNDI client from Oracle. For information about the JNDI client, see the *Java Naming and Directory Interface™ Specification* at <http://download.oracle.com/javase/7/docs/technotes/guides/jndi/index.html> .
- Information that might help to answer your questions related to IBM Security Directory Integrator can be found at https://www-947.ibm.com/support/entry/myportal/over-accesspubsview/software/security_systems/tivoli_directory_integrator.

IBM Terminology website

The IBM Terminology website consolidates terminology for product libraries in one location. You can access the Terminology website at <http://www.ibm.com/software/globalization/terminology>.

Accessibility

Accessibility features help users with a physical disability, such as restricted mobility or limited vision, to use software products successfully. With this product, you can use assistive technologies to hear and navigate the interface. You can also use the keyboard instead of the mouse to operate all features of the graphical user interface.

For additional information, see the Accessibility Appendix in *Configuring Directory Integrator*.

Technical training

For technical training information, see the following IBM Education website at <http://www.ibm.com/software/tivoli/education>.

Support information

IBM Support provides assistance with code-related problems and routine, short duration installation or usage questions. You can directly access the IBM Software Support site at <http://www.ibm.com/software/support/probsub.html>.

Troubleshooting provides details about:

- What information to collect before contacting IBM Support.
- The various methods for contacting IBM Support.
- How to use IBM Support Assistant.
- Instructions and problem-determination resources to isolate and fix the problem yourself.

Statement of Good Security Practices

IT system security involves protecting systems and information through prevention, detection and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, misappropriated or misused or can result in damage to or misuse of your systems, including for use in attacks on others. No IT system or product should be considered completely secure and no single product, service or security measure can be completely effective in preventing improper use or access. IBM systems, products and services are designed to be part of a comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products or services to be most effective. IBM DOES NOT WARRANT THAT ANY SYSTEMS, PRODUCTS OR SERVICES ARE IMMUNE FROM, OR WILL MAKE YOUR ENTERPRISE IMMUNE FROM, THE MALICIOUS OR ILLEGAL CONDUCT OF ANY PARTY.

Chapter 1. Release Notes

IBM Security Directory Integrator Version 7.2 and the service stream enhancement version 7.2.0.1 is available. Read the release notes to find important installation information. You can also learn about new features, deprecated functionality and components, and compatibility issues.

What's new in this release

The Federated Directory Server and the System for Cross-Domain Identity Management (SCIM) service are the key new features in IBM Security Directory Integrator Version 7.2. Several enhancements to these new features are included in the service stream enhancement version 7.2.0.1.

What's new in IBM Security Directory Server Version 7.2

Federated Directory Server

Federated Directory Server is a service that simplifies the integration of directories with IBM Security Directory Server. It automatically synchronizes information about users and groups in the source endpoints with IBM Security Directory Server. You can use the Federated Directory Server console, which is a web-based user interface to configure the connection settings, endpoints, and synchronization schedules. You can also configure pass-through authentication. When a user logs in to IBM Security Directory Server, the login credentials are verified by the password that is stored in the endpoint. Thus, the need for password migration and management are eliminated. See Federated Directory Server.

System for Cross-Domain Identity Management (SCIM) service

SCIM is a standard that defines schema and protocol for identity management. IBM Security Directory Integrator Version 7.2 provides a SCIM service to connect to IBM Security Directory Server. The SCIM standard was created to simplify user management in the cloud by defining a schema for representing users and groups. It also defines a REST API for all other basic operations. See System for Cross-Domain Identity Management.

SCIM client connector

The SCIM connector works like other IBM Security Directory Integrator connectors, but behind the scenes it passes REST calls and uses SCIM operations. You can use the SCIM connector to allow IBM Security Directory Integrator solutions to read and write to servers that support the SCIM protocol. For more information, see SCIM Connector.

What's new in service stream enhancement Version 7.2.0.1

LDAP browser in Federated Directory Server

Use this feature to browse through data in the connected LDAP endpoints and the target IBM Security Directory Server. See Browsing the entries in an LDAP directory.

Federated Directory Server custom target

The framework for custom targets enables developers to replace IBM

Security Directory Server as the target of the flows. Federated Directory Server can be configured to write to a different target. See Custom target configuration.

QRadar Connector

The IBM Security Directory Integrator QRadar Connector simplifies the integration of unsupported event sources with QRadar. The QRadar Connector produces the required LEEF output. See QRadar Connector.

Federated Directory Server monitoring

Federated Directory Server can send messages to QRadar, SNMP, and a custom AssemblyLine. See Monitoring.

IBM Security Access Manager v2 Connector

This new connector uses the IBM Security Access Manager's Registry Direct API. It is faster than the existing IBM Security Access Manager Connector (previously called TAM Connector). It can be used in any IBM Security Directory Integrator solution just like all other connectors. It also plays a key role in the Federated Directory Server plug-in for IBM Security Access Manager. See IBM Security Access Manager v2 Connector.

IBM Security Access Manager provisioning

This plug-in provides a ready-to-use solution that can be used with pass-through authentication to provision users into IBM Security Access Manager registries from one or more existing LDAP directories. It uses the IBM Security Access Manager v2 Connector to automatically add and remove IBM Security Access Manager entries whenever similar changes are made in IBM Security Directory Server. See Federated Directory Server plug-in for IBM Security Access Manager.

Pass-through authentication enhancements

The pass-through authentication administration page is now moved from the individual flow pages to a common location where all configurations for the directory server are seen in one place. Another enhancement is that manual restart or reload of IBM Security Directory Server is no longer required. See Configuring pass-through authentication.

Federated Directory Server flow hooks

Flow hooks are custom extension points that enable additional logic to be included in Federated Directory Server flows. For example, you can configure flow hooks to call IBM Security Directory Integrator AssemblyLines for entry and attribute filtering, pre-flow and post-flow processing, auditing, and alerting. See Customizing flows by using flow hooks.

SCIM authentication and multi-user support

- The SCIM authentication service extends the SCIM standard to enable authentication calls along with user and group management.
- SCIM multi-user support allows an enterprise to segment users, such as Business Partners and customer, into separate parts of the SCIM repository.

See SCIM Authentication.

Other Federated Directory Server enhancements

The following features or user interface screens are enhanced in this version:

- Top-level menu structure
- LDAP URL configuration fields

- Attribute mapping fields
- Browsing for tables in the JDBC endpoint configuration page
- Browsing for available AssemblyLines in flow hooks
- Option to use same AssemblyLine for both groups and user hooks

Support for previous versions of IBM Security Directory Server

IBM Security Directory Integrator Version 7.2.0.1 supports IBM Security Directory Server Version 6.3 and later.

New documentation

In IBM Security Directory Integrator Version 7.2 and service stream enhancement 7.2.01, new documentation is added for Federated Directory Server, SCIM, IBM Security Access Manager plug- and new connectors.

- Federated Directory Server
- System for Cross-Domain Identity Management
- Federated Directory Server plug-in for IBM Security Access Manager
- SCIM Connector
- IBM Security Access Manager v2 Connector
- QRadar Connector

Deprecated or removed functionality and components

Read about the features that are deprecated from IBM Security Directory Integrator Version 7.2 onwards.

The term *deprecated* indicates that the item is marked for removal in a future version of IBM Security Directory Integrator.

The following items are deprecated in Version 7.2:

- Administration and Monitoring Console (AMC) feature
- Generic Log Adapter (GLA) Connector
- Remote Agent Controller (RAC) Connector
- CCMDB Connector
- The following components of Asset Integration Suite:
 - Data Cleanser Function Component
 - Init IT Registry Function Component
 - IT Registry CI and Relationship Connector

The following items are removed in Version 7.2:

- Old HTTP Client Connector
- Old HTTP Server Connector

The following items were deprecated in version 7.0 and continue to be deprecated in the current version:

- **ListenMode=true** in the TCP Connector. Use TCP Server Connector instead.
- **Need Client Authentication over SSL** parameter in TCP Connector.
- **Connection Backlog** parameter in TCP Connector.
- XMLToSDO Function Component
- SDOToXML Function Component

- Direct usage of the Memory Queue Function Component. Use the Memory Queue Connector, or use the system object directly to create a new pipe.

The following item was deprecated in version 7.1 and continues to be deprecated in the current version:

- IBM WebSphere® MQ Everyplace® (MQe). This lightweight message queue will be removed from the future version of IBM Security Directory Integrator, and a suitable replacement will be bundled.

Operating systems not supported

Read about the operating systems that are not supported any longer from IBM Security Directory Integrator Version 7.2 onwards.

The following operating systems are no longer supported in Version 7.2:

- i5/OS™
- z/OS®
- HP-UX
- Solaris AMD 64 (Opteron)
- Linux x86 32-bit

Support for the following operating system was discontinued in version 7.1 and continues to be unsupported in the current version:

- HP-UX v11 PA-RISC

Known issues

For a list of known issues with IBM Security Integrator service stream enhancement 7.2.0.1, see the technical note.

The technical note at <http://www-01.ibm.com/support/docview.wss?uid=swg21674563> lists all of the known issues.

Also see the section, Known issues, limitations, and workarounds in the Federated Directory Server documentation.

Chapter 2. System requirements

For information about hardware and software requirements and details about supported operating systems, see the detailed system requirements.

The detail system requirements include information about the supported versions of operating systems, virtualization support, supported web browsers, required disk space and memory, and other requirements. You can access the requirements for each operating system family at the following locations:

- AIX
- Linux
- Solaris
- Windows

You can also do a custom search for system requirements:

1. Go to the following location: <https://pic.dhe.ibm.com/infocenter/prodguid/v1r0/clarity/index.html>.
2. Search for the product that you are interested in.
3. Select the product version.
4. Select the operating system.
5. Click Submit.

Chapter 3. Installation instructions

See the documentation for downloading and installing IBM Security Directory Integrator Version 7.2 and service stream enhancement V7.2.0.1.

- Quick start guide
- Instructions for downloading Version 7.2
- Download location for fix packs and service stream enhancements
- Installation procedure for product
- Installation procedure for fix packs and service stream enhancements

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