

One Identity Manager 9.2

Release Notes for CIM Module for Azure Cloud Access Governance

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This document provides information about the One Identity Manager and management of Azure cloud system.

For the most recent documents and product information, see [One Identity Manager documentation](#).

About this release

This release provides the following functionalities:

- Synchronization of data from Azure Cloud System to One Identity Manager.
- Azure Role Assignment to Azure Security Principals (AAD User, AAD Group, AAD Service Principal) through IT Shop.
- Direct Azure Role Assignment to Azure Security Principal (AAD User, AAD Group, AAD Service Principal) by Target System Managers.
- Remove Azure Role Assignment from Azure Security Principal (AAD User, AAD Group, AAD Service Principal) by Target System Managers.

Supported platforms

CIM Module can be configured with One Identity Manager 9.2.

NOTE: The System Requirements applicable to the One Identity Manager applies to CIM module for Azure Cloud Access Governance also.

New features

New features from the integration of One Identity Manager and CIM module for Azure Cloud Access Governance:

- An administrator of One Identity Manager can synchronize the data from Microsoft Azure Cloud system into One Identity Manager.
- Identities can request for Azure Role Assignment at a particular scope (Management Group, Subscription, Resource Group, Resource) for their AAD User account, AAD Groups and AAD Service Principals belonging to the Azure AD tenant through IT Shop.
- Target System Managers can assign Azure Roles to Azure Security Principals (AAD User, AAD Group, AAD Service Principal) directly.
- Target System Managers can remove Azure Roles from Azure Security Principals (AAD User, AAD Group, AAD Service Principal) directly.

Resolved issues

The following is a list of issues addressed in this release.

Table 1: Resolved issues

| Resolved Issue | Issue ID |
|--|-----------------|
| Report update of Role Assignments for Management Group, Subscription, Resource Group and Resource was unable to display direct role assignments along with role assignments at parent level scope. | 410768 |
| Corrected Functionality: User can add/change role Assignment for Groups, Users, and Service Principals Across the Organization. | 408548 |
| Hyperview hierarchy and scope details are not visible | 419865 |
| Azure Role Description Now Displays in Multi-line Format for Enhanced Clarity | 427101 |

Known issues

The following is a list of issues, including those attributed to third-party products, known to exist at the time of release.

Table 2: Known issues

| Known Issue | Issue ID |
|--|-----------------|
| The table CIMAzResourceGroup is defined as non-linear dependent to RMS | 433684 |

System Requirements

Ensure that your system meets the following minimum hardware and system requirements before installing One Identity Manager. For more detailed information about system prerequisites, see the One Identity Manager Installation Guide.

NOTE: When setting up a virtual environment, carefully consider the configuration aspects such as CPU, memory availability, I/O subsystem, and network infrastructure to ensure the virtual layer has the necessary resources available. Please consult [One Identity's Product Support Policies](#) for more information on environment virtualization.

Every One Identity Manager installation can be virtualized. Ensure that performance and resources are available to the respective One Identity Manager component according to system requirements. Ideally, resource assignments for the database server are fixed. Virtualization of a One Identity Manager installation should only be attempted by experts with strong knowledge of virtualization techniques.

Minimum requirements for the database server

A server must meet the following system requirements for installation of a One Identity Manager database. Depending on the number of One Identity Manager modules and the accounts managed in One Identity Manager, the requirements for working memory, hard disk storage, and processors may be significantly greater than the minimum requirements.

Table 3: Database Server Minimum requirements

| Requirement | Details |
|--------------------|--|
| Processor | 8 physical cores with 2.5 GHz+ frequency (non-production) 16 physical cores with 2.5 GHz+ frequency (production) NOTE: 16 physical cores are recommended on the grounds of performance. |
| Memory | 16 GB+ RAM (non-production) 64 GB+ RAM (production) |

| Requirement | Details |
|------------------|--|
| Free disk space | 100 GB |
| Operating system | <p>Windows operating systems</p> <ul style="list-style-type: none"> Note the requirements from Microsoft for the installed SQL Server version. <p>UNIX and Linux operating systems</p> <ul style="list-style-type: none"> Note the minimum requirements given by the operating system manufacturer for SQL Server databases. |
| Software | <p>SQL Server</p> <ul style="list-style-type: none"> SQL Server 2019 Standard Edition (64-bit) with the current cumulative update SQL Server 2022 Standard Edition (64-bit) with the current cumulative update <p>NOTE: For performance reasons, the use of SQL Server Enterprise Edition is recommended for live systems.</p> <ul style="list-style-type: none"> Compatibility level for databases: SQL Server 2019 (150) Default sort schema: case-insensitive, SQL_Latin1_General_CP1_CI_AS (Recommended) SQL Server Management Studio (recommended) |

NOTE: The minimum requirements listed above are considered to be for general use. With each custom One Identity Manager deployment these values may need to be increased to provide ideal performance. To determine production hardware requirements, it is strongly recommended to consult a qualified One Identity Partner or the One Identity Professional Services team. Failure to do so may result in poor database performance.

For additional hardware recommendations, read the KB article <https://support.oneidentity.com/identity-manager/kb/290330/how-to-configure-settings-as-per-the-system-information-overview>, which outlines the System Information Overview available within One Identity Manager.

| Requirement | Details |
|-------------|---|
| | NOTE: In virtual environments, you must ensure that the VM host provides performance and resources to the database server according to system requirements. Ideally, resource assignments for the database server are fixed. Furthermore, optimal I/O performance must be provided, in particular for the database server. For more information about virtual environments, see Product Support Policies . |

Minimum requirements for the service server

The following system prerequisites must be fulfilled to install the One Identity Manager Service on a server.

Table 4: Service Server Minimum requirements

| Requirement | Details |
|---------------------|--|
| Processor | 8 physical cores with 2.5 GHz+ |
| Memory | 16 GB RAM |
| Free disk space | 40 GB |
| Operating system | <p>Windows operating systems</p> <p>Following versions are supported:</p> <ul style="list-style-type: none"> • Windows Server 2022 • Windows Server 2019 • Windows Server 2016 • Windows Server 2012 R2 • Windows Server 2012 <p>Linux operating systems</p> <ul style="list-style-type: none"> • Linux operation system (64 bit) supported by the Mono project or Docker images provided by the Mono project. |
| Additional Software | <p>Windows operating systems</p> <ul style="list-style-type: none"> • Microsoft .NET Framework version 4.8 or later <p>NOTE:Take the target system manufacturer's recommendations for connecting the target system into account.</p> <p>Linux operating systems</p> <ul style="list-style-type: none"> • Mono 6.10 or later |

Minimum requirements for clients

Table 5: Client Minimum requirements

| Requirement | Details |
|---------------------|--|
| Processor | 4 physical cores with 2.5 GHz |
| Memory | 4 GB+ RAM |
| Free disk space | 1 GB |
| Operating system | Windows operating systems <ul style="list-style-type: none">• Windows 11 (x64)• Windows 10 (32 bit or 64 bit) version 1511 or later |
| Additional Software | Windows operating systems <ul style="list-style-type: none">• Microsoft .NET Framework version 4.8 or later• Microsoft Edge WebView2 |
| Supported browsers | <ul style="list-style-type: none">• Firefox (Release channel)• Chrome (Release channel)• Microsoft Edge (Release channel) |

Minimum requirements for the Web Server

The following system prerequisites must be fulfilled to install web applications on a web server.

Table 6: Web Server Minimum requirements

| Requirement | Details |
|------------------|--|
| Processor | 4 physical cores 1.65 GHz+ |
| Memory | 4 GB RAM |
| Free disk space | 40 GB |
| Operating system | Windows operating systems <ul style="list-style-type: none">• Windows Server 2022• Windows Server 2019• Windows Server 2016• Windows Server 2012 R2• Windows Server 2012 |

| Requirement | Details |
|---------------------|---|
| Additional Software | <p data-bbox="443 264 770 293">Linux operating systems</p> <ul data-bbox="496 320 1396 450" style="list-style-type: none"> <li data-bbox="496 320 1396 450">• Linux operation system (64 bit) supported by the Mono project or Docker images provided by the Mono project. Please note the operating system manufacturer's minimum requirements for Apache HTTP Server. <hr/> <p data-bbox="443 477 818 506">Windows operating systems</p> <ul data-bbox="496 533 1377 1261" style="list-style-type: none"> <li data-bbox="496 533 1137 562">• Microsoft .NET Framework version 4.8 or later <li data-bbox="496 589 1377 1261">• Microsoft Internet Information Service 10 or 8.5 or 8 or 7.5 or 7 with ASP.NET 4.8 and Role Services: <ul data-bbox="576 667 1377 1261" style="list-style-type: none"> <li data-bbox="576 667 1345 696">• Web Server > Common HTTP Features > Static Content <li data-bbox="576 723 1254 775">• Web Server > Common HTTP Features > Default Document <li data-bbox="576 801 1286 831">• Web Server > Application Development > ASP.NET <li data-bbox="576 857 1342 909">• Web Server > Application Development > .NET Extensibility <li data-bbox="576 936 1246 987">• Web Server > Application Development > ISAPI Extensions <li data-bbox="576 1014 1334 1043">• Web Server > Application Development > ISAPI Filters <li data-bbox="576 1070 1217 1099">• Web Server > Security > Basic Authentication <li data-bbox="576 1126 1270 1155">• Web Server > Security > Windows Authentication <li data-bbox="576 1182 1377 1211">• Web Server > Performance > Static Content Compression <li data-bbox="576 1238 1238 1267">• Web Server > Performance > Dynamic Content Compression <p data-bbox="443 1288 815 1317">Linux operating systems</p> <ul data-bbox="496 1344 1257 1610" style="list-style-type: none"> <li data-bbox="496 1344 663 1373">• NTP Client <li data-bbox="496 1400 770 1429">• Mono 6.10 or later <li data-bbox="496 1456 1257 1610">• Apache HTTP Server 2.0 or 2.2 with following modules: <ul data-bbox="576 1489 778 1610" style="list-style-type: none"> <li data-bbox="576 1489 759 1518">• mod_mono <li data-bbox="576 1545 699 1574">• rewrite <li data-bbox="576 1601 778 1630">• ssl (optional) |

Minimum requirements for the Application Server

The following system prerequisites must be fulfilled for installation of the application server.

Table 7: Application Server Minimum requirements

| Requirement | Details |
|---------------------|---|
| Processor | 8 physical cores with 2.5 GHz+ |
| Memory | 8 GB RAM |
| Free disk space | 40 GB |
| Operating system | Windows operating systems <ul style="list-style-type: none">• Windows Server 2022• Windows Server 2019• Windows Server 2016• Windows Server 2012 R2• Windows Server 2012 Linux operating systems <ul style="list-style-type: none">• Linux operation system (64 bit) supported by the Mono project or Docker images provided by the Mono project. Please note the operating system manufacturer's minimum requirements for Apache HTTP Server. |
| Additional Software | Windows operating systems <ul style="list-style-type: none">• Microsoft .NET Framework version 4.8 or later Linux operating systems <ul style="list-style-type: none">• Microsoft Internet Information Service 10 or 8.5 or 8 or 7.5 or 7 with ASP.NET 4.8 and Role Services:<ul style="list-style-type: none">• Web Server > Common HTTP Features > Static Content• Web Server > Common HTTP Features > Default Document• Web Server > Application Development > ASP.NET• Web Server > Application Development > .NET Extensibility• Web Server > Application Development > ISAPI Extensions• Web Server > Application Development > ISAPI Filters• Web Server > Security > Basic Authentication |

| Requirement | Details |
|-------------|---------|
|-------------|---------|

- Web Server > Security > Windows Authentication
- Web Server > Performance > Static Content Compression
- Web Server > Performance > Dynamic Content Compression

Linux operating systems

- NTP Client
- Mono 6.10 or later
- Apache HTTP Server 2.0 or 2.2 with following modules:
 - mod_mono
 - rewrite
 - ssl (optional)

Product licensing

Use of this software is governed by the Software Transaction Agreement found at www.oneidentity.com/legal/sta.aspx. This software does not require an activation or license key to operate.

Upgrade and installation instructions

The procedure to install the CIM module is similar to the procedures involved in installation of other One Identity Manager modules. For information on the installation of CIM module, refer the *Installing One Identity Manager Components* section of the *One Identity Manager Installation Guide*.

More resources

Additional information is available from the following:

- [One Identity Manager support](#)
- [One Identity Manager online documentation](#)
- [Identity and Access Management community](#)
- [One Identity Manager training portal](#)

Globalization

This section contains information about installing and operating this product in non-English configurations, such as those needed by customers outside of North America. This section does not replace the materials about supported platforms and configurations found elsewhere in the product documentation. This release is Unicode-enabled and supports any character set. It supports simultaneous operation with multilingual data. This release is targeted to support operations in the following regions: North America, Western Europe and Latin America, Central and Eastern Europe. The release is localized in the following languages: German. This version has the following capabilities or constraints: Other languages, designated for the Web UI, are provided in the product One Identity Manager Language Pack.