# Quest® Identity Recovery for Active Directory

## Release Notes

### October 22, 2026

These release notes provide information about Identity Recovery for Active Directory deployments.

Topics:


- Release history
- Incident response management
- System requirements
- Product licensing
- More resources
- Third-party contributions
- About us


# About Quest Identity Recovery for Active Directory

Identity Recovery for Active Directory offers off-network abilities to manage on-premises domain controllers, including Active Directory® backups and restore operations, in the case of a disaster. It is essential for any modern business have uninterrupted network and computer systems, which are essential for business continuity. Unforeseen outages, like directory service failures, can significantly disrupt operations. To mitigate such risks, critical infrastructure must be designed for swift recovery from failures.

Identity Recovery for Active Directory leverages advanced technologies to minimize downtime resulting from Active Directory corruption or accidental modifications. This solution automates backups and enables rapid, remote recovery of data stores in Active Directory, dramatically reducing restoration time.

Identity Recovery for Active Directory allows you to perform the following operations:

- Configure and manage backups using Backup Plans.
- Store Active Directory backups in Quest Azure tenant.
- Configure and manage recovery of an Active Directory forest.
- Restore Active Directory using Clean OS method, allowing you to restore the entire forest or any of its parts on a freshly installed Windows machine.
- Schedule backup of domain controllers based on business needs
- Verify recovery configurations to validate your disaster Recovery Plan

**CAUTION:** Microsoft Entra is a dynamic and rapidly evolving platform, which means its APIs may be updated or changed with limited notice. These ongoing changes may occasionally impact features in Identity Recovery for Active Directory. When possible, Quest aims to provide timely notification to customers in cases of such impact. For the latest updates on Entra ID APIs, refer to the Microsoft Entra ID documentation and Microsoft Graph Changelog.

# Release history

The following lists the new features, enhancements, and resolved issues by deployment.

## Current Deployment

**October 22, 2026**

| Resolved issue | ID |
|---|---|
| When a Recovery Plan is switched from the Initial Recovery phase to the Repromotion phase with **Select DNS server automatically** selected, promoting additional domain controllers fails with a DNS server error. | ADO-769385 |
| When switching to the Repromotion phase, if **Enable Install From Media** with automatic backup selection is selected for a domain controller, backups of domain controllers recovered in the Initial Recovery phase are not automatically selected. | ADO-773167 |
| Email notifications are not sent for events configured in notification templates. | ADO-775010 |
| The email notification for the **Recovery Plan Verification Completed** template displays an incorrect number of domain controllers included in the verification. | ADO-763559 |

## Previous Deployments

**October 15, 2026**

| New Feature | ID |
|---|---|
| You can now view reports for a Recovery Plan using **Show Report** in the Recovery Plan configuration. The **Recovery Plan** report summarizes the currently saved configuration. The **Verification Results** or **Recovery Results** report, also available from the progress view, summarizes the outcome of the most recently finished verification or recovery task. | ADO-540227 |

**September 30, 2026**

| New Feature | ID |
| --- | --- |
| Recovery Plans now support a phased approach to forest recovery. During **Initial Recovery**, critical domain controllers are restored to make the forest operational. During **Repromotion**, additional domain controllers are added to the recovered forest. | ADO-387247 |

**September 3, 2026**

| New Feature | ID |
| --- | --- |
| Added support for Microsoft Azure virtual machine (VM) provisioning. You can now define infrastructure and virtual machine settings in VM provisioning templates to automatically provision VMs during Recovery Plan verification and recovery, allowing domain controllers to be restored without manually creating target servers. | ADO-379566 |

| Enhancement | ID |
| --- | --- |
| In the Recovery Plan configuration, you can now select multiple rows and edit supported settings in bulk. Supported settings include **Domain Recovery Method** on the **Domains** tab, and **DC Recovery Method** and **Target Server** on the **Domain Controllers** tab. | ADO-588440 |
| On the **Domain Controllers** tab of the Recovery Plan configuration, you can now use the **Backup Availability** filter option to display domain controllers with or without selected backups. | ADO-597521 |

**June 10, 2026**

| Enhancement | ID |
| --- | --- |
| The DC Agent is updated to RMAD FE/DRE 10.4.0.48320. For backup tasks, agent versions on the current and two previous RMAD FE/DRE releases are now supported. | ADO-623817 |

**May 14, 2026**

| Enhancement | ID |
| --- | --- |
| Notification templates for email notifications now include forest topology events, including new topology discovery and topology updates. | ADO-550691 |

**April 14, 2026**

| Enhancement | ID |
| --- | --- |
| • On Demand is renamed to **Security Management Platform**.<br>• Disaster Recovery for Identity for Active Directory is renamed to **Identity Recovery for Active Directory** and is now part of Identity Recovery. Other updated UI labels include consents now under **Identity Recovery**, role names prefixed with **Identity Recovery**, and permissions grouped under **Identity Recovery for AD**. | ADO-618446 |

**March 17, 2026**

| New Feature | ID |
|---|---|
| When creating Recovery Plans, you can now choose one of two recovery scenarios. **Prepare for a future recovery** configures the plan to use the forest topology discovered when the plan was created and the latest available backups. **Run recovery using a specific date** configures the plan to use the most recent topology and backups on or before a selected date and time. You can modify this setting on the **Settings** tab of the Recovery Plan configuration. | ADO-529767<br>ADO-590631 |

| Enhancement | ID |
|---|---|
| The domain controller (DC) agent now uses separate minimum supported version requirements for backup and recovery. On the **Topology page**, the DC agent statuses **Outdated** and **Not Supported** indicate when an agent is running an older or unsupported version for backup tasks. On the **Domain Controllers** tab of the Recovery Plan configuration, the same statuses apply to the agent for verification and recovery tasks. | ADO-600988 |
| If a DC agent version is detected as **Outdated** or **Not Supported** when a Backup Plan runs, an email notification is sent to the Recovery Administrator and Recovery for AD Administrator once every 24 hours. | ADO-602545 |
| The DC agent is updated to RMAD FE/DRE 10.4.0.47278. The minimum supported version for backup tasks is 10.3.2.46178; agents running older versions will show an **Outdated** status and need to be updated soon. The minimum supported version for verification and recovery tasks is 10.4.0.47278; agents running older versions will show a **Not Supported** status and will be automatically updated when you run verification or recovery. | ADO-592326 |

**December 4, 2025**

| Enhancement | ID |
|---|---|
| On the **Domain Controllers** tab of the Recovery Plan configuration, you can now edit the target server IP address directly in the table. | ADO-508995 |
| On the **Domain Controllers** tab of the Recovery Plan configuration, you can now change the **DC Recovery Method** directly in the table. | ADO-564327 |
| On the **Domain Controllers** tab of the Recovery Plan configuration, you can apply filter options to the list of domain controllers, including filtering those with errors or warnings. Filtering options are also available in progress view. | ADO-564314 |
| On the **Domains** tab of the Recovery Plan configuration, you can now change the **Domain Recovery Method** directly in the table. You can also apply filter options to the list of domains, including filtering those with errors or warnings. | ADO- 555898 |
| On the **Topology** page, the new column **Last Backup Status** shows the status and time of the most recent backup task. | ADO-563899 |
| The minimum supported version of the DC Agent is updated to RMAD FE/DRE 10.3.2.46178. | ADO-592329 |

**November 12, 2025**

| Resolved issue | ID |
| --- | --- |
| When using the **Restore to Clean OS** recovery method, the restore gets stuck at the operation "Restart domain controller in normal mode," resulting in a blue screen and making the target virtual machine non-functional. | ADO-590266 |

**November 4, 2025**

| Enhancement | ID |
| --- | --- |
| Email notifications now display the date and time (in UTC) of events. | ADO- 576612 |

| Resolved issue | ID |
| --- | --- |
| When filtering domain controllers by the **In Backup Plans** filter, the **Topology** page crashes. | ADO-587545 |

**October 16, 2025**

| Enhancement | ID |
| --- | --- |
| Notification templates for email notifications now include completed and failed events for Recovery Plan verification and recovery. | ADO- 559555 |
| The domain configuration is now displayed as a full-page view. | ADO-566918 |

| Resolved issue | ID |
| --- | --- |
| SignalR connection is unstable when switching rapidly between screens and during cross-continent communication. | ADO-584116 |

**October 1, 2025**

| New Feature | ID |
| --- | --- |
| You can now configure a Recovery Plan, along with all domains and domain controllers in the forest, in a centralized location. After creating a Recovery Plan on the **Recovery** tab, select **Open** on the tile to access the Recovery Plan configuration, where you can edit basic details on the **General** tab and configure domains and domain controllers on the **Domains** and **Domain Controllers** tabs, respectively. Monitor the progress of ongoing or recently completed verification and recovery tasks by selecting **View Progress** in the toolbar or on the Recovery Plan tile. | ADO-550106 |

| Enhancement | ID |
|---|---|
| Notification templates for email notifications now include events for Backup Plan, Recovery Plan, and Forest. | ADO-550692 |
| Notification banners for errors in the Recovery Plan configuration now include a link to the relevant tab where the issue needs to be resolved. If multiple issues exist, the banner includes a **View Details** link that opens the **Recovery Plan Validation** flyout, where you can review errors and warnings related to domain or domain controller configurations. Additionally, hovering over the warning icon next to a domain controller on the **Domain Controller** tab displays detailed error information. | ADO-561062 |
| When verification or recovery tasks are in progress, or users do not have the required permission to manage and verify Recovery Plans, Recovery Plan configurations are displayed in read-only mode. | ADO-524082 |
| When creating or editing a forest, the **Use Secure LDAP (LDAPS) for Hybrid Agent Queries** toggle allows you to choose whether Secure LDAP (LDAPS) is used for the hybrid agent when performing topology discovery queries. By default, this toggle is enabled if Secure LDAP is set during hybrid agent installation. | ADO-554911 |

| Resolved issue | ID |
|---|---|
| If the **Domain Controllers** tab of the Recovery Plan configuration is open but users navigate away, a connection error message appears and persists even if connection is re-established. | ADO-581459 |
| Changes to domain credentials cannot be saved unless the recovery method for the domain is also updated. | ADO-582724 |
| Incorrect domain controller name is displayed when manually selecting a backup for the Install from Media (IFM) option. | ADO-582834 |
| If the **Ignore Healthy Domain** recovery method is selected and domain credentials are provided, the **Credentials** column on the **Domains** tab displays **Not Provided**. | ADO-583750 |

**September 11, 2025**

| Feature | ID |
|---|---|
| When the plugin version is outdated, a tooltip on the **Forest** tile under **Hybrid Agent** displays the latest available version and prompts you to restart the hybrid agent to force the update. | ADO-522966 |
| A new button **Manage Notifications** in the toolbar on the **Forests** page navigates you to On Demand global settings, where you can manage email notification templates. | ADO-541863 |
| When enabling a schedule for backups, the time is set using the UTC (Coordinated Universal Time) time zone. The corresponding local time is now displayed below the selected UTC time. | ADO- 551456 |
| Validation for the IP address in the **Target Server** field on the DC Configuration page is enhanced to ensure the IP address is unique. | ADO- 574555 |

| Resolved issue | ID |
|---|---|
| If no environment exists, navigating to another tab displays an empty state page with an option to add a new environment. | ADO-566241 |

# Incident response management

Quest Operations and Quest Support have procedures in place to monitor the health of the system and ensure any degradation of the service is promptly identified and resolved. Security Management Platform relies on Azure and AWS infrastructure and as such, is subject to the possible disruption of these services.

You can view the following status pages:

- Quest Security Management Platform services: https://status.quest-on-demand.com/
- Azure Services: https://azure.microsoft.com/en-ca/status/
- AWS Services: https://status.aws.amazon.com/

# System requirements

The following web browsers are supported with Security Management Platform:

- Microsoft Edge
- Google Chrome (latest version)
- Mozilla Firefox (latest version)

### *Hybrid agent requirements*

- A standalone or domain-joined server (standalone server is highly recommended).
- Ensure that the hybrid agent server has a stable internet connection and uses a DNS server that is not affected by a forest failure.
- A service account used to run the hybrid agent must be a local administrator account on the computer where the hybrid agent is installed.
- The domain FQDN\username should at least have forest-wide read permissions.

### *Domain Controller Agent requirements*

- A service account used to run the domain controller agent is always a Local System account.
- An account used to install the domain controller agent remotely must be a member of the Local Administrators group.
- The minimum supported version for the domain controller agent is 10.3.2.44484.

### *Endpoint requirements*

#### Hybrid agent requirements

The hybrid agent must be able to access the following endpoints associated with the region where your Security Management Platform organization resides.

| TCP Port | Direction | Endpoints | Description |
|---|---|---|---|
| 389 | Outbound | Domain Controllers | LDAP port to domain controllers to discover environment. |
| 445 | Outbound | Domain Controllers | SMB port to domain controllers to install domain controller agents. |
| 443 | Outbound | **AU**<br>odjrs-auprod-au-iothub.azure-devices.net<br>https://odjrsauprodaugrssto.blob.core.windows.net<br>https://odrjsauprodausto.blob.core.windows.net<br><br>**CA**<br>odjrs-caprod-ca-iothub.azure-devices.net<br>https://odjrscaprodcagrssto.blob.core.windows.net<br>https://odrjscaprodcasto.blob.core.windows.net<br><br>**EU**<br>odjrs-euprod-eu-iothub.azure-devices.net<br>https://odjrseuprodeugrssto.blob.core.windows.net<br>https://odjrseuprodeusto.blob.core.windows.net<br><br>**UK**<br>odjrs-ukprod-uk-iothub.azure-devices.net<br>https://odjrsukprodukgrssto.blob.core.windows.net<br>https://odjrsukproduksto.blob.core.windows.net<br><br>**US**<br>odjrs-usprod-us-iothub.azure-devices.net<br>https://odjrsusprodusgrssto.blob.core.windows.net<br>https://odjrsusprodussto.blob.core.windows.net | Agent connection to Identity Recovery for Active Directory backend services (see Security Management Platform Global Settings User Guide for more) |
| 80 | Outbound | **AU**<br>odjrsauprodauiotinst-odjrsauprodauiotacct.b.nlu.dl.adu.microsoft.com<br><br>**CA**<br>odjrscaprodcaiotinst-odjrscaprodcaiotacct.b.nlu.dl.adu.microsoft.com<br><br>**EU**<br>odjrseuprodeuiotinst--odjrseuprodeuiotacct.b.nlu.dl.adu.microsoft.com | Agent connection to Identity Recovery for Active Directory backend services (see Security Management Platform Global Settings User Guide for more) |

| TCP Port | Direction | Endpoints | Description |
|---|---|---|---|
| | | **UK**<br>odjrsukprodukiotinst--odjrsukprodukiotacct.b.nlu.dl.adu.microsoft.com<br><br>**US**<br>odjrsusprodusiotinst--odjrsusprodusiotacct.b.nlu.dl.adu.microsoft.com | |

**Domain controller agent requirements**

The domain controller agent must be able to access the following endpoints associated with the region where your Security Management Platform organization resides.

| TCP Port | Direction | Endpoints | Description |
|---|---|---|---|
| 445 | Inbound | | SMB port to allow automatic agent installation. |
| 135 | Inbound | | RPC Endpoint Mapper port used by the RPC runtime. |
| 49152-65535 | Inbound | | RPC dynamic port range to accept RPC connection from hybrid agent. |
| 443 or proxy server port | Outbound | **AU**<br>https://odradprodausa.blob.core.windows.net<br><br>**CA**<br>https://odradprodcasa.blob.core.windows.net<br><br>**EU**<br>https://odradprodeusa.blob.core.windows.net<br><br>**UK**<br>https://odradproduksa.blob.core.windows.net<br><br>**US**<br>https://odradprodussa.blob.core.windows.net | Download and upload backups from Azure Blob Storage accounts. |

# Product licensing

Security Management Platform is a Software as a Service (SaaS) application where application software is hosted in the cloud and made available to users through quest-on-demand.com.

Use of this software is governed by the Software Transaction Agreement found at www.quest.com/legal/sta.aspx and the SaaS Addendum at www.quest.com/legal/saas-addendum.aspx. This software does not require an activation or license key to operate.

***To obtain a trial license with an Entra ID account***

1. Go to https://quest-on-demand.com/.
2. Select **Sign in with Microsoft** and select the desired account.
3. You can either use an existing organization or create a new organization:
    a. To use an existing organization, select the desired organization you wish to use.
    b. To create a new organization, select **Create New Organization** in the top right corner, enter the organization name and select **Create Organization**.
4. To view your organization details and copy your organization ID, from the left navigation bar, select **Settings | Organization**. Provide these organization details to your account manager. A trial subscription will then be created on your behalf.

# More resources

Additional information is available from the following:

- Identity Recovery product documentation
- Quest On Demand community
- Product trials and subscriptions

# Third-party contributions

**NOTE:** For third-party contributions specific to Security Management Platform Global Settings, see Security Management Platform Global Settings Release Notes.

This product contains the following third-party components. For third-party license information, go to https://www.quest.com/legal/license-agreements.aspx. Source code for components marked with an asterisk (*) is available at https://opensource.quest.com.

**Table 1: List of Third-Party Contributions**

| Component | License or Acknowledgment |
|---|---|
| @angular/animations 15.2.10 | MIT N/A |
| @angular/cdk 15.2.9 | MIT N/A |
| @angular/common 15.2.10 | MIT N/A |
| @angular/core 15.2.10 | MIT N/A |

| Component | License or Acknowledgment |
| --- | --- |
| @angular/forms 15.2.10 | MIT N/A |
| @angular/material 15.2.9 | MIT N/A |
| @angular/platform-browser 15.2.10 | MIT N/A |
| @angular/platform-browser-dynamic 15.2.10 | MIT N/A |
| @angular/router 15.2.10 | MIT N/A |
| @angular/signalr 8.0.7 | MIT N/A |
| @apollo/client 3.7.17 | MIT Template 2020<br>Copyright (c) 2022 Apollo Graph, Inc. (Formerly Meteor Development Group, Inc.) |
| @azure/msal-angular 2.5.13 | MIT N/A |
| @azure/msal-browser 2.39.0 | MIT N/A |
| @ngrx/effects 15.4.0 | MIT N/A |
| @ngrx/entity 15.4.0 | MIT N/A |
| @ngrx/router-store 15.4.0 | MIT Template 2020<br>Copyright (c) 2017-2023 Brandon Roberts, Mike Ryan, Victor Savkin, Rob Wormald |
| @swimlane/ngx-datatable 20.1.0 | MIT N/A |
| ag-grid-angular 31.3.4 | MIT N/A |
| ag-grid-community 31.3.4 | MIT N/A |
| angular2-hotkeys 2.3.1 | MIT N/A |
| angular2-materlize 10.0.0 | MIT N/A |
| apollo-angular 4.2.1 | MIT Template 2020<br>Copyright (c) 2015 - 2020 Kamil Kisiela |
| apollo-upload-client 14.1.3 | MIT N/A |
| Asp.Versioning.Http 10.0.0 | MIT Template 2020<br>Copyright (c) .NET Foundation and contributors. All rights reserved. |
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| Azure.Data.Tables 12.11.0 | MIT N/A |
| Azure.Identity 1.21.0 | MIT Template 2020<br>Copyright (c) Microsoft Corporation. |

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| Azure.Messaging.EventGrid 5.0.0 | MIT 1.0<br>Copyright (c) Microsoft Corporation. All rights reserved. |
| Azure.Messaging.Eventhubs 5.12.2 | MIT N/A |
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| core-js 2.5.1 | MIT N/A |
| coverlet.collector 10.0.1 | MIT Template 2020<br>Copyright (c) 2018 Toni Solarin-Sodara |
| CronExpressionDescriptor 2.50.0 | MIT N/A |
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| ExpressionTreeToString 3.4.71 | MIT 1.0<br>Copyright (c) 2019 Zev Spitz |
| filesize 10.1.6 | BSD 3-Clause Template 2020<br>Copyright (c) 2025, Jason Mulligan<br>All rights reserved. |
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| ipaddr.js 2.2.0 | MIT Template 2020<br>Copyright 2011-2017 whitequark |
| jQuery 2.2.4 | MIT N/A |
| jwt-decode 2.2.0 | MIT Template 2020 |
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| lodash.ismatch 4.4.0 | MIT 1.0<br>Copyright OpenJS Foundation and other contributors |
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| Microsoft.NET.Test.Sdk 17.10.0 | MIT N/A |
| NetEscapades.EnumGenerators 1.0.0-beta12 | MIT 1.0<br>Copyright © AndrewLock |

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| ng2-charts 2.3.3 | MIT N/A |
| ng2-dragula 2.1.1 | MIT N/A |
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| System.Text.Json 10.0.9 | MIT Template 2020<br>Copyright (c) .NET Foundation and Contributors. All rights reserved. |
| System.Text.RegularExpressions 4.3.1 | MIT N/A |
| System.Threading.Tasks.Dataflow 10.0.9 | MIT N/A |
| TableStorage.Abstractions 3.3.10 | MIT 1.0<br>Copyright (c) 2016 - 2020 Mark Johnson |
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| zone.js 0.12.0 | MIT Template 2020<br>Copyright (c) 2016-2018 Google, Inc. |

# Domain Controller agent

Identity Recovery for Active Directory also contains a list of third-party components for the domain controller (DC) agent. For third-party license information, go to https://www.quest.com/legal/license-agreements.aspx.

**Table 2: List of Third-Party Components for Domain Controller Agent**

| Component | License or Acknowledgment |
|---|---|
| 7-ZIP 19.00 | 7Zip 19.0<br>Copyright 1999-2019 Igor Pavlov<br>Copyright 2015-2016 Apple Inc. All rights reserved. |
| AeroWizard 2.2.3 | MIT 1.0<br>MIT<br>Copyright (c) 2013 David Hall<br>Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:<br>The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.<br>THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. |
| AWSSDK.Core 3.7.9.2 | Apache 2.0 |
| AWSSDK.S3 3.7.8.12 | Apache 2.0 |
| Azure.Core 1.45.0 | MIT Template 2020 |
| Azure.Core.Amqp 1.3.1 | MIT Template 2020<br>Licensed under MIT<br>License terms can be found at: |

| Component | License or Acknowledgment |
| --- | --- |
| | https://index.whitesourcesoftware.com/gri/app/reader/resource/content/asString/052119a4-a5c8-481e-b50f-3f3727c0385d<br>Copyright Microsoft Corporation |
| Azure.Messaging.ServiceBus 7.18.4 | MIT Template 2020 |
| Azure.Storage.Blobs 12.23.0 | MIT Template 2020 |
| Azure.Storage.Common 12.22.0 | MIT Template 2020 |
| Boost 1.72.0 | Boost 1.0 |
| EntityFramework 6.4.4 | Apache 2.0 |
| Fody 4.2.1 | MIT N/A |
| FontAwesome.WPF 4.7.0.9 | MIT N/A |
| Group Controls 1.8 | Apache 2.0<br>Copyright Notice - Group Controls 1.5.3 |
| Microsoft .Net Framework 4.8 | Microsoft .Net Framework 4.8 |
| Microsoft.Azure.Amqp 2.6.9 | MIT Template 2020 |
| Microsoft.Bcl.AsyncInterfaces 9.0.2 | MIT Template 2020 |
| Microsoft.Dism 2.0.20 | MIT N/A |
| Microsoft.Extensions.DependencyInjection.Abstractions 9.0.2 | MIT Template 2020 |
| Microsoft.Extensions.Logging.Abstractions 9.0.2 | MIT Template 2020 |
| Microsoft.PowerShell.3.ReferenceAssemblies 1.0.0 | MIT N/A |
| Microsoft.PowerShell.5.ReferenceAssemblies 1.1.0 | MIT N/A |
| Microsoft.SqlServer.TransactSql.ScriptDom.dll 12.0.1 | Microsoft Component Copyright 2002 |
| Microsoft.SqlServer.Types 12.0.5000.0 | MIT |
| Microsoft.Xaml.Behaviors.Wpf 1.1.19 | MIT N/A |
| MinHook 1.3.2.1 | BSD - MinHook 1.0 |
| MinHook 1.3.3 | BSD - MinHook 1.0<br>Copyright 2009 Tsuda Kageyu All rights reserved. |
| Newtonsoft.Json 13.0.3 | MIT Template 2020 |
| PropertyChanged.Fody 2.6.1 | MIT N/A |
| RazorEngine 3.10.0 | Apache 2.0 |
| SQLiteCodeFirst 1.7.0.34 | Apache 2.0 |

| Component | License or Acknowledgment |
| --- | --- |
| SSH.Net 2024.0.0 2024.0.0 | MIT N/A |
| System.Buffers 4.6.0 | MIT N/A |
| System.ClientModel 1.3.0 | MIT Template 2020 |
| System.Diagnostics.DiagnosticSource 9.0.2 | MIT Template 2020 |
| System.IO.Hashing 6.0.0 | MIT Template 2020<br>The MIT License (MIT)<br>Copyright (c) .NET Foundation and Contributors<br>All rights reserved.<br>Permission is hereby granted, free of charge, to any person obtaining a copy<br>of this software and associated documentation files (the "Software"), to deal<br>in the Software without restriction, including without limitation the rights<br>to use, copy, modify, merge, publish, distribute, sublicense, and/or sell<br>copies of the Software, and to permit persons to whom the Software is<br>furnished to do so, subject to the following conditions:<br>The above copyright notice and this permission notice shall be included in all<br>copies or substantial portions of the Software.<br>THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR<br>IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,<br>FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE<br>AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER<br>LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,<br>OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE<br>SOFTWARE. |
| System.IO.Pipelines 9.0.2 | MIT Template 2020 |
| System.Management.Automation 6.2.3 | MIT Template 2020 |
| System.Memory 4.5.5 | MIT 1.0 |
| System.Memory.Data 9.0.2 | MIT Template 2020 |

| Component | License or Acknowledgment |
| --- | --- |
| System.Numerics.Vectors 4.6.0 | MIT 1.0 |
| System.Runtime.CompilerServices.Unsafe 6.1.0 | MIT Template 2020 |
| System.Text.Encodings.Web 9.0.2 | MIT Template 2020 |
| System.Text.Json 9.0.2 | MIT Template 2020 |
| System.Threading.Channels 9.0.2 | MIT Template 2020 |
| System.Threading.Tasks.Extensions 4.6.0 | MIT 1.0 |
| System.ValueTuple 4.5.0 | MIT 1.0<br>Copyright (c) .NET Foundation and Contributors |
| Task Scheduler Managed Wrapper 2.8.18 | MIT N/A |
| TaskScheduler 2.8.18 | MIT |
| TimeSpan Helper Library 2.2 | New BSD N/A |
| Windows Installer XML Toolset (aka WiX) 3.14 | Microsoft Reciprocal License (MS-RL) N/A |
| ZLib 1.1.4 | zlib 1.2.3 Copyright (C) 1995-2005 Jean-loup Gailly and Mark Adler |

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- Submit and manage a Service Request
- View Knowledge Base articles
- Sign up for product notifications
- Download software and technical documentation
- View how-to-videos
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product

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Identity Recovery for Active Directory Release Notes
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