

# Quest<sup>®</sup> Disaster Recovery for Identity for Active Directory

## Release Notes

February 12, 2025

Disaster Recovery for Identity 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.

Disaster Recovery for Identity 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. Disaster Recovery for Identity for Active Directory dramatically reduces the time required to restore Active Directory.

Disaster Recovery for Identity 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

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

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# Technical Preview

Welcome! You are among the first to try Active Directory disaster recovery from the cloud using Disaster Recovery for Identity for Active Directory. With this solution, you can:

- Rapidly recover from Active Directory disasters
- Protect identities and improve security
- Maximize availability
- Reduce footprint and lower cost
- Streamline operations

Disaster Recovery for Identity for Active Directory is currently in Technical Preview, offering use of select features of the product.

After signing up to Quest On Demand, to launch the product, click **Recover** on the left pane, then click **Active Directory**. The Environments screen will open.

For more information about managing your organization, see the [Managing organizations and regions](#) in the *On Demand Global Settings User Guide*.

For more information on assigning roles, see the [Adding users to an organization](#) section in the *On Demand Global Settings User Guide*.

Below are the steps required to successfully utilize Disaster Recovery for Identity for Active Directory:

1. Deploy Hybrid Agents
2. Add the Active Directory forest into the product by creating an environment and selecting Hybrid Agent.
3. Discover Forest Topology and install Domain Controller Agents
4. Create Backup Plans and schedule regular backups.
5. Create a Recovery Plan.
6. Verify the Recovery Plan.

In this topic:

- [Recommendations and requirements](#)
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## **Recommendations and requirements**

- To preview features of Disaster Recovery for Identity for Active Directory, ensure to use a test environment (Active Directory forest/domain/domain controllers).

**!** **CAUTION:** The use of these features should not be used in a production environment.

- The use of Simulation mode is highly recommended (see below). All participants of the Technical Preview will have Simulation mode available for their organizations.

- For customers of Quest Recovery Manager for Active Directory Disaster Recovery Edition (RMAD DRE), the backup agent and forest recovery agent are not supported. New agents will need to be installed and configured using the Disaster Recovery for Identity for Active Directory portal. The minimum supported version of the Domain Controller Agent is 10.3.1.43736.

### Providing feedback

For any questions or issues using the product, please contact [Quest Support](#).

### Simulation mode

Disaster Recovery for Identity for Active Directory allows users to run Recovery Plans and verification/recovery operations via Simulation mode. This mode runs through simulated verification or recovery operations using topology information from the connected Active Directory forest and its backups. This mode successfully completes verification/recovery operations without utilizing target machines, giving users the opportunity to test the workflow of Recovery Plans and identify issues without risk to their data or forest.

To use Simulation mode, users will need to setup their environments and backups as usual through the Disaster Recovery for Identity for Active Directory user interface. See the *Disaster Recovery for Identity for Active Directory User Guide* for more.

To enable Simulation mode for a specific Recovery Plan:

1. After the creation of an environment and backups, go to the Recovery screen and click **Add Recovery Plan**.
2. After naming the Recovery Plan, click the **Enable Simulation mode** toggle. Proceed to create the Recovery Plan as normal.
3. Click **Save**.

To indicate if a Recovery Plan is in Simulation mode, a badge or icon will be displayed in the following locations:

- In the taskbar on the Recovery Plan details screen
- In the taskbar on the Domain Controller Operations screen
- On the Recovery Plan's Recovery card
- On individual tasks on the Tasks screen
- On individual events on the Events screen

## Release History

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

### Current Deployment

Release: February 12, 2025

Feature	Issue ID (ADO)
Support of 'Install Active Directory' method'	ADO-379572
Display time of the last discovery on the Topology tab	ADO-504703
Ability to see when the Hybrid Agent is offline	ADO-517362
Download DC Agent from the Topology tab	ADO-526146

Feature	Issue ID (ADO)
Display the total elapsed time from the Tasks tab	ADO-531124
Increase retention period for backups to 180 days	ADO-535313

### Previous Deployments

Release: January 10, 2025

Feature	Issue ID (ADO)
First deployment of Disaster Recovery for Identity for Active Directory	N/A

## Known issues

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

### General known issues

Known issue	Issue ID (ADO)
Currently, any deployments of Disaster Recovery for Identity for Active Directory will stop ongoing backups, verification and recovery operations. They will need to be restarted manually.	ADO-520301
Minimum supported version of Domain Controller Agent is 10.3.1.43736. Installed agents from Quest Recovery Manager for Active Directory are not supported with the Technical Preview.	ADO-525871

## 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. On Demand 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 On Demand: <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 On Demand:

- 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.

### **Endpoint requirements**

#### **Hybrid Agent requirements**

The Hybrid Agent must be able to access the following endpoints associated with the region where your On Demand organization resides.

<b>TCP Port</b>	<b>Direction</b>	<b>Endpoints</b>	<b>Description</b>
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	<b>EU</b> odjrs-euprod-eu-iothub.azure-devices.net https://odjrseuprodeugrssto.blob.core.windows.net https://odjrseuprodeusto.blob.core.windows.net  <b>UK</b> odjrs-ukprod-uk-iothub.azure-devices.net https://odjrsukprodukgrssto.blob.core.windows.net https://odjrsukproduksto.blob.core.windows.net  <b>US</b>	Agent connection to Disaster Recovery for Identity for Active Directory backend services (see <a href="#">On Demand Global Settings User Guide</a> for more)

TCP Port	Direction	Endpoints	Description
		odjrs-usprod-us-iothub.azure-devices.net https://odjrsusprodusgrssto.blob.core.windows.net https://odjrsusprodussto.blob.core.windows.net	
80	Outbound	<b>EU</b> odjrseuprodeuiotinst-- odjrseuprodeuiotacct.b.nlu.dl.adu.microsoft.com  <b>UK</b> odjrsukprodukiotinst-- odjrsukprodukiotacct.b.nlu.dl.adu.microsoft.com  <b>US</b> odjrsusprodusiotinst-- odjrsusprodusiotacct.b.nlu.dl.adu.microsoft.com	Agent connection to Disaster Recovery for Identity for Active Directory backend services (see <a href="#">On Demand Global Settings User Guide</a> for more)

### Domain Controller Agent requirements

The Domain Controller Agent must be able to access the following endpoints associated with the region where your On Demand 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	<b>EU</b> https://odradprodeusa.blob.core.windows.net  <b>UK</b> https://odradproduksa.blob.core.windows.net  <b>US</b> https://odradprodussa.blob.core.windows.net	Download and upload backups from Azure Blob Storage accounts.

## Product licensing

Quest On Demand 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](https://quest-on-demand.com).

Use of this software is governed by the Software Transaction Agreement found at [www.quest.com/legal/sta.aspx](http://www.quest.com/legal/sta.aspx) and the SaaS Addendum at [www.quest.com/legal/saas-addendum.aspx](http://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. Click **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, click the desired organization you wish to use.
  - b. To create a new organization, click **Create New Organization** in the top right corner, enter the organization name and click **Create Organization**.
4. Click **Settings** from the left navigation bar, then **Organization**, to view your organization details and copy your organization ID. Provide these organization details to your account manager. A trial subscription for the Technical Preview will then be created on your behalf.

## More resources

Additional information is available from the following:

- Online product documentation: [Disaster Recovery for Identity for Active Directory](#)
- [Quest On Demand community](#)
- [Product trials and subscriptions](#)

## Third-party contributions

**i** | **NOTE:** For third-party contributions specific to On Demand Global Settings, refer to the [On Demand 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**

<b>Component</b>	<b>License or Acknowledgment</b>
@angular/animations 15.2.10	MIT N/A
@angular/common 15.2.10	MIT N/A
@angular/core 15.2.10	MIT N/A
@angular/forms 15.2.10	MIT N/A
@angular/material 15.2.9	MIT N/A



<b>Component</b>	<b>License or Acknowledgment</b>
@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
@angular-eslint/eslint-plugin 15.2.1	MIT Template 2020
@ngrx/router-store 15.4.0	MIT Template 2020
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
AutoBogus 2.13.1	MIT N/A
Azure.Data.Tables 12.8.3	MIT N/A
Azure.Identity 1.12.0	MIT Template 2020
Azure.Messaging.EventGrid 4.24.1	MIT 1.0
Azure.Messaging.ServiceBus 7.17.5	MIT 1.0
Azure.Storage.Blobs 12.20.0	MIT Template 2020
Azure.Storage.Common 12.19.0	MIT Template 2020
Bogus 35.5.4	BSD 3
core-js 2.5.1	MIT N/A
coverlet.collector 6.0.2	MIT Template 2020
Cronos 0.8.4	MIT 1.0
Divergic.Logging.Xunit 4.3.1	MIT N/A
DotSwashbuckle.AspNetCore 3.0.11	MIT N/A
ExpressionTreeToString 3.4.71	MIT 1.0
filesize 10.1.6	BSD 3-Clause Template 2020
hammerjs 2.0.8	MIT N/A
ipaddr.js 2.2.0	MIT Template 2020
Microsoft.ApplicationInsights 2.22.0	MIT Template 2020
Microsoft.Azure.AppConfiguration.AspNetCore 7.2.0	MIT Template 2020
Microsoft.Azure.ServiceBus 5.2.0	MIT Template 2020
Microsoft.Azure.SignalR 1.25.2	MIT Template 2020
Microsoft.CodeCoverage 17.10.0	MIT N/A
Microsoft.Data.SqlClient 5.2.1	MIT Template 2020

<b>Component</b>	<b>License or Acknowledgment</b>
Microsoft.EntityFrameworkCore 8.0.10	MIT Template 2020
Microsoft.Extensions.Azure 1.7.4	MIT Template 2020
Microsoft.Extensions.Caching.Memory 8.0.1	MIT Template 2020
Microsoft.Extensions.Configuration.AzureAppConfiguration 7.2.0	MIT Template 2020
Microsoft.Extensions.DependencyInjection 8.0.0	MIT Template 2020
Microsoft.Extensions.Diagnostics.HealthChecks 8.0.6	MIT Template 2020
Microsoft.Extensions.Logging 8.0.0	MIT Template 2020
Microsoft.Identity.Client 4.61.3	MIT Template 2020
Microsoft.NET.Test.Sdk 17.10.0	MIT N/A
moment 2.30.1	MIT Template 2020
Moq 4.18.4	New BSD N/A
NetEscapades.EnumGenerators 1.0.0-beta09	MIT 1.0
Newtonsoft.Json 13.0.3	MIT Template 2020
NSubstitute 5.1.0	BSD 3-Clause Template 2020
Polly 8.4.0	BSD 3-Clause for App vNext 1.0 Copyright 2015-2020, App vNext All rights reserved.
PowerShellStandard.Library 5.1.1	MIT Template 2020
RichardSzalay.MockHttp 7.0.0	MIT Template 2020
Serilog.Enrichers.CorrelationId 3.0.1	MIT N/A
Serilog.Settings.Configuration 8.0.1	MIT Template 2020
StackExchange.Redis 2.7.33	MIT Template 2020
Swashbuckle.AspNetCore 6.7.3	MIT Template 2020
System.ComponentModel.Annotations 5.0.0	MIT Template 2020
System.Diagnostics.EventLog 8.0.0	MIT 1.0
System.DirectoryServices 8.0.0	MIT Template 2020
System.Formats.Asn1 8.0.1	MIT Template 2020
System.IdentityModel.Tokens.Jwt 7.6.2	MIT Template 2020
System.Linq.Async 6.0.1	MIT Template 2020
System.Security.Cryptography.ProtectedData 8.0.0	MIT Template 2020
System.ServiceProcess.ServiceController 8.0.0	MIT Template 2020
System.Text.Json 8.0.5	MIT Template 2020
System.Text.RegularExpressions 4.3.1	MIT N/A

Component	License or Acknowledgment
System.Threading.Tasks.Dataflow 8.0.0	MIT N/A
TableStorage.Abstractions 3.3.10	MIT 1.0
TimeZoneConverter 6.1.0	MIT Template 2020
ts-retry-promise 0.8.1	MIT N/A
zone.js 0.11.8	MIT Template 2020

## Domain Controller Agent

This product 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 19.0	Copyright 1999-2019 Igor Pavlov Copyright 2015-2016 Apple Inc. All rights reserved.
AeroWizard 2.2.3	MIT 1.0
AWSSDK.Core 3.7.9.2	Apache 2.0
AWSSDK.S3 3.7.8.12	Apache 2.0
Azure SDK for C++ 10.8.0	MIT Template 2020
Azure.Storage.Common 11.2.3	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 Copyright Notice - Group Controls 1.5.3
Microsoft .Net Framework 4.8	Microsoft .Net Framework 4.8
Microsoft SQL server 2016 Express 13.0.5026.0	Microsoft SQL server 2016 Express 13.0.5026.0
Microsoft.Azure.KeyVault.Core 1.0.0	Apache 2.0
Microsoft.Azure.Storage.Blob 11.2.3	MIT Template 2020
Microsoft.Dism 2.0.20	MIT N/A
Microsoft.PowerShell.3.ReferenceAssemblies 1.0.0	MIT N/A
Microsoft.SqlServer.Types 12.0.5000.0	MIT

<b>Component</b>	<b>License or Acknowledgment</b>
Microsoft.Xaml.Behaviors.Wpf 1.1.19	MIT N/A
MinHook 1.3.2.1	BSD - MinHook 1.0 Copyright 2009 Tsuda Kageyu All rights reserved.
MinHook 1.3.3	BSD - MinHook 1.0 Copyright 2009 Tsuda Kageyu All rights reserved.
Moq 4.18.4	New BSD N/A
MSTest.TestAdapter 2.1.0	MIT Template 2020
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
SSH.Net 2024.0.0 2024.0.0	MIT N/A
System.Management.Automation 6.2.2	MIT Template 2020
System.ValueTuple 4.5.0	MIT 1.0
TaskScheduler 2.8.18	MIT
Task Scheduler Managed Wrapper 2.8.18	MIT N/A
TaskScheduler 2.8.18	MIT
TimeSpan Helper Library 2.2.2.0	New BSD N/A
Windows Imaging Component 1.0	Windows Imaging Component 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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## Technical support resources

Technical support is available to Quest customers with a valid maintenance contract and customers who have trial versions. You can access the Quest Support Portal at <https://support.quest.com>.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- 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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**Legend**

-  **CAUTION:** A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.
-  **IMPORTANT, NOTE, TIP, MOBILE, or VIDEO:** An information icon indicates supporting information.

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