

Azure Active Directory Connect Health- Adoption Kit

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For the latest version, please check <https://aka.ms/aadadoptionkits>

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Awareness

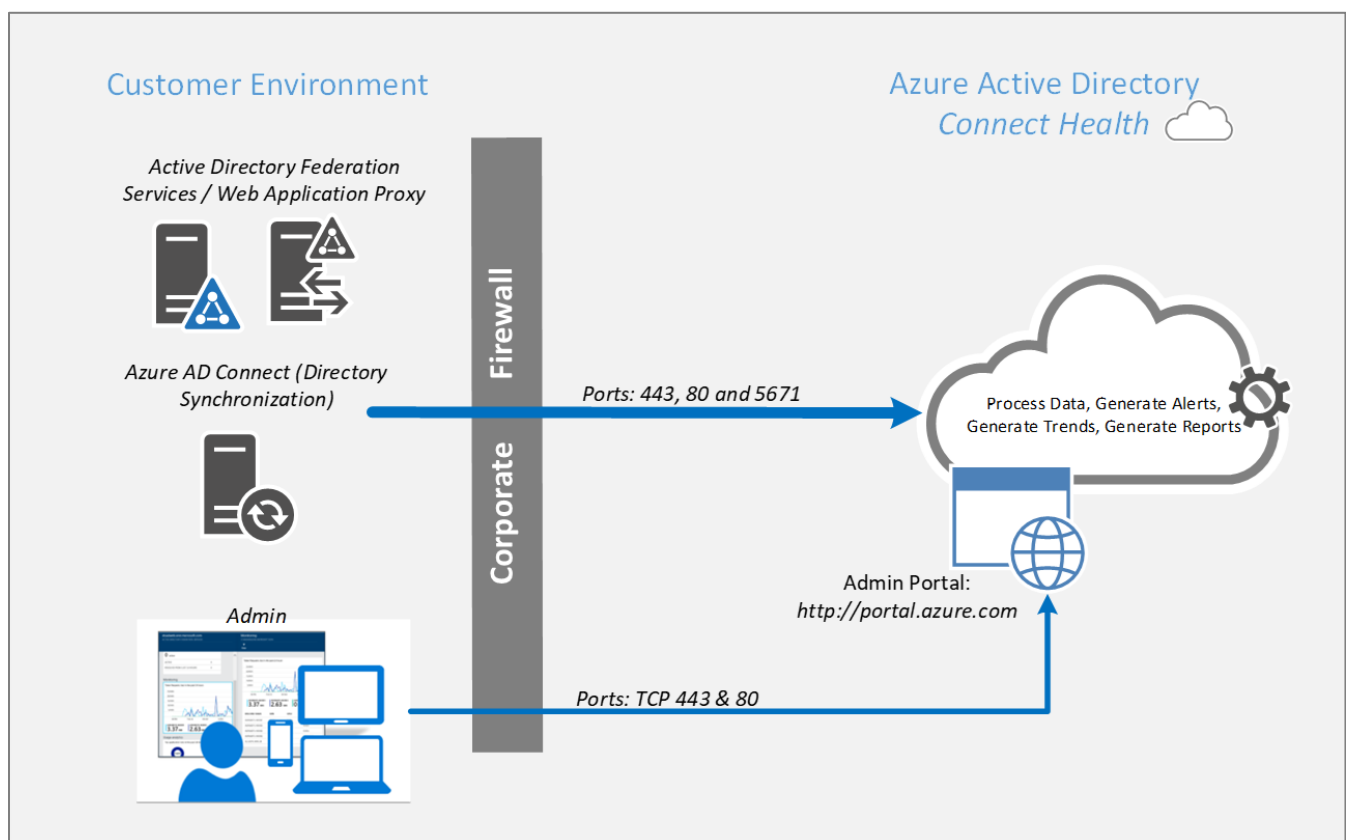
This section helps you to analyze the benefits of Azure AD Connect Health. You will learn about the ease of use, benefits, pricing, and licensing model. You will also receive up-to-date announcements and access to blogs that discuss ongoing improvements.

Business overview

A key capability of Azure Active Directory (AD) is [setting up hybrid identities](#) between on-prem directories and Azure AD. When with Azure AD, your users are more productive because there is a common identity to access both cloud and on-premises resources. For example, your organization can use a single identity to access on-premises applications and cloud services such as Office 365.

Azure AD Connect is an Azure AD tool designed to meet and accomplish your hybrid identity goals. However, ensuring the environment is reliable, so that users can access these resources, becomes a challenge.

[Azure AD Connect Health](#) helps monitor the health of your on-premises identity infrastructure, such as Active Directory Federation Services (AD FS) and synchronization, thus ensuring the reliability of this environment. It provides the ability to view alerts, performance, usage patterns, and configuration settings. This information is presented in the [Azure AD Connect Health portal](#).



Key benefits

Using Azure AD Connect Health gives you the following benefits:



Easy to set up

Azure AD Connect Health is easy to install and configure on target servers. Once deployed, it gathers and analyzes data in the Azure portal within minutes. The agent gets automatically upgraded to its latest version so that you always have up-to-date data analytics for your setup.



Rich usage metrics

The agents analyze the authentication traffic of your federation servers. The dashboard provides a list of active alerts, extensive usage analytics of your applications, and consistently monitors token requests.



Enhanced security

Azure AD Connect Health for AD FS provides the risky IP report of top 50 Users with failed login attempts due to invalid username or password. This report is achieved by processing the audit events generated by all the AD FS servers in the farms.



Intuitive user experience

With Azure AD Connect Health agent installed on your servers, you can conveniently watch your infrastructure health from Azure portal. In case there are any system alerts, you get notification via emails.

Pricing and licensing requirements

Azure AD Connect Health is part of Azure AD Premium P1 and P2 editions. The first monitoring agent requires at least one license. Each added agent requires 25 added incremental licenses. Agents monitoring AD FS, AD Connect, and AD DS are considered as separate agents.

For more information on pricing, refer to [Azure Active Directory pricing](#).

Announcements

Azure AD receives improvements on an ongoing basis. To stay up to date with the most recent developments, refer to [What's new in Azure Active Directory?](#)

Training/learning resources

The following resources would be a good start to learn more about Azure AD Connect Health. These include level 100 concepts, videos by our experts, books and links to online courses.

Level 100 concepts

Microsoft understands that some organizations have unique environment requirements or complexities. If yours is one of these organizations, use these recommendations as a starting point. However, most organizations can implement these recommendations as suggested.

- Find [what is the identity secure score in Azure AD?](#)
- Know the [five steps to securing your identity infrastructure.](#)
- Understand [identity and device access configurations.](#)

Refer to the following links to get started with Azure AD Connect Health:

- Learn [what is hybrid identity with Azure AD?](#)
- Learn [what is Azure AD Connect and Connect Health?](#)
- Know how to [choose the right authentication method for your Azure AD hybrid identity solution](#)
- Know about [user privacy and Azure AD Connect Health](#)
- Read more [Azure AD Connect Health Frequently Asked Questions \(FAQ\)](#)
- Learn [Azure AD Connect Health: Version Release History](#)

Training

Videos

Video	Description
How to get started with identity security	Learn about identity security, why is it important, and what you can do to get it more secure.
How to improve your identity security posture with Secure Score	Get a walk-through of the identity secure score in the Azure AD portal.
How to choose the right authentication option in Azure AD	Learn how to choose the right authentication option when setting up your identity in Azure AD, based on the needs of the organization.
How to get started with hybrid identity in Azure AD	Learn how to get started with hybrid identity in Azure AD. You will also get an overview of Azure AD Connect, the sign-in methods that are available in Azure AD, identity synchronization, custom configuration, and online resources to use.
Azure AD Connect Health for AD FS	Learn how Connect Health monitors your AD FS servers, how to deploy it, and learn about the latest security and health features.

Online courses

Refer to the following Azure AD Connect and Azure AD Connect Health courses:

Course	Description
PluralSight.com- Design a Monitoring Strategy for Identity and Security in Microsoft Azure.	Learn how to monitor AD, Azure AD, and other components used in a hybrid identity solution.
LinkedIn Learning – Azure AD Connect Health	Learn how to navigate the Azure AD Connect Health portal to review the status of the health of the on-premises Active Directory Domain Services.

Deployment

This section provides the resource links to deploy, register, and configure Azure AD Connect Health agents, and test their connectivity.

Installation roadmap

See [Azure AD Connect Health Installation](#). This article includes:

- [List of requirements](#) for using Azure AD Connect Health
- [Steps to download and install](#) the Azure AD Connect Health agents
- [Installation instructions](#) for Azure AD Connect Health agent for AD FS
- [Guidance to install](#) Azure AD Connect Health agent for sync
- [Method to manually register](#) Azure AD Connect Health agent for sync
- [Installation instructions](#) for Azure AD Connect Health agent for AD DS
- [Instructions to register the agent](#) using PowerShell
- [Steps to configure agents](#) to use HTTP Proxy
- [Steps to test connectivity](#) to Azure AD Connect Health Service

For more installation related questions, refer to [Azure AD Connect Health FAQs](#).

Operations

In this section, you learn how to manage Azure AD Connect Health, monitor the agents, and act on triggered alerts.

Operations

Topics	Description
Enable email notifications	Send email notifications when alerts indicate that your identity infrastructure is not healthy. This occurs when an alert is generated, and when it is resolved.
Delete a server or service instance	Remove the server from the monitoring service. After this action, you are not able to view new alerts, monitoring, or usage analytics data for this server.
Manage access with Role-Based Access Control	Provide access to Azure AD Connect Health for users and groups other than global administrators.
Diagnose and remediate duplicated attribute sync errors	Troubleshoot duplicated attribute sync errors and fix objects that are orphaned from Azure AD.
Disable data collection and monitoring in Azure AD Connect Health	Stop data collection for each individual monitored server or for an instance of a monitored service
Re-enable data collection and monitoring in Azure AD Connect Health	Re-enable monitoring in Azure AD Connect Health for a previously deleted monitored service

For more operations related questions, refer to [Azure AD Connect Health FAQs](#).

Monitoring

Topics	Description
Monitoring Azure AD Connect Health with AD FS	View the list of active alerts, usage analytics on the authentication traffic of your servers, and monitor performance on metrics. You also get the Risky IP report of top 50 users that have exceeded the threshold of failed password-based logins.
Using Azure AD Connect Health with AD DS	View the list of active and resolved alerts. Follow the dashboards for a topological view of your environment, and key operational metrics and health status of each of your monitored domain controllers. Monitor the graphical trends of different performance counters, which are continuously collected from each of the monitored domain controllers.
Monitoring Azure AD Connect Health for sync	View the list of active alerts and sync insights including sync latency and object change trends. You also get the Object Level synchronization error report if that occurs when identity data is synchronized in between Active Directory and Azure AD.

Alerts

Azure AD Connect Health service send alerts indicate that your identity infrastructure is not healthy. Error, Warning, and Prewarning are three stages of alerts that are generated from Connect Health service. We highly recommend you take immediate actions on triggered alerts. See [Azure AD Connect Health Alert Catalog](#).

Support and feedback

How can we improve Azure AD Connect Health? This section provides links to discussion forums and technical community support email IDs.

We encourage you to join our [Technical Community](#), a platform to Microsoft Azure Active Directory users and Microsoft to interact. It is a central destination for education and thought leadership on best practices, product news, live events, and roadmap.

If you have technical questions or need help with Azure, please try [StackOverflow](#) or visit the MSDN [Azure AD forums](#).

Tell us what you think of Azure and what you want to see in the future. If you have suggestions, please submit an idea or vote up an idea at our User Voice Channel - feedback.azure.com or send us a note at askaadconnecthealth@microsoft.com.