

AD (Active Directory) integration and Trust

Active Directory

Users

Groups

Devices (servers, laptops, printers,...)

Grant access to applications, servers, databases, and other resources for active directory user credentials.

LDAP – Light weight Directory Access Protocol

AWS Directory Service Options

- AWS Directory Service for Microsoft AD
- AD Connector
- Simple AD

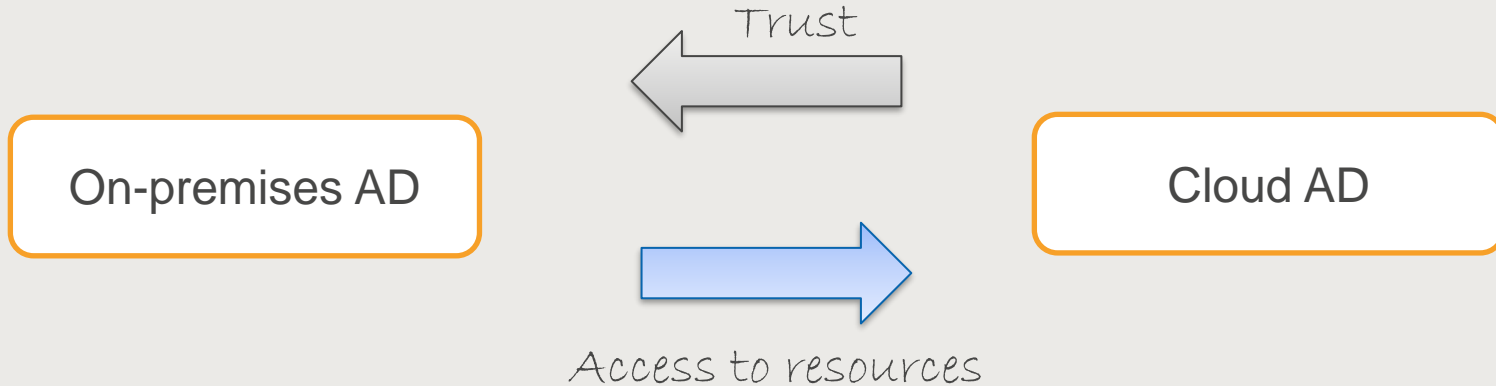
Users access AWS using Active Directory credentials

AWS Directory Service for Microsoft AD

- Managed Microsoft Active Directory in the Cloud
- Migrate your on-premises AD to Cloud
- Extend existing on-premises AD to cloud (hybrid)
- Works with Sharepoint, SQL Server, EC2, Workspaces, WorkDocs, QuickSight, RDS-SQL Server, RDS-Oracle, RDS-PostgreSQL, Linux applications
- Support for Azure AD Connect and Federation - Office 365 and Azure cloud integration
- MFA Support, HIPAA and PCI Compliance
- Standard Edition (up to 5,000 employees and 30,000 directory objects)
- Enterprise Edition (Large enterprises up to 500,000 directory objects)

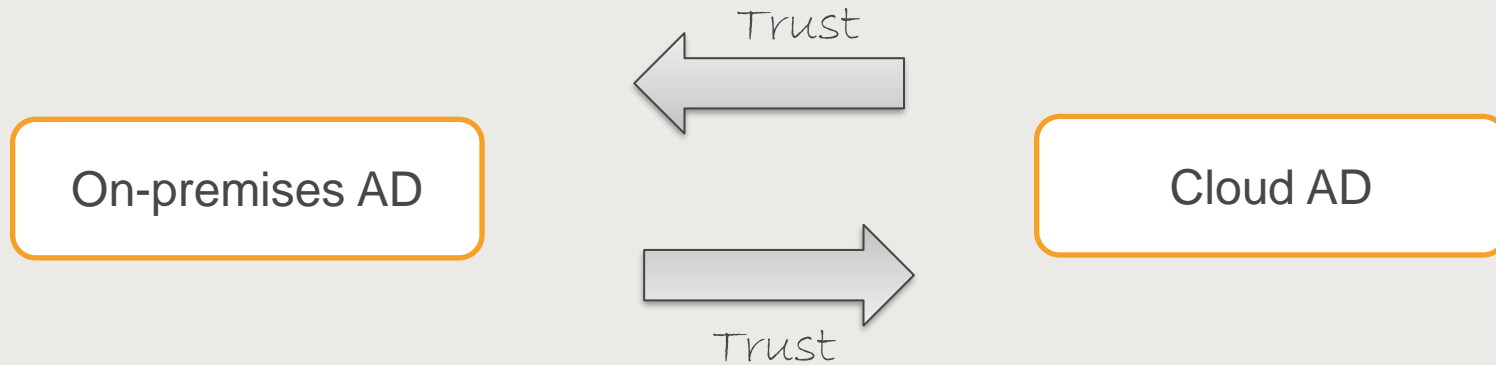
Trust Setup – One Way Trust

Cloud AD trusts On-premises AD (one-way)



- *On-premises users are trusted and can access Cloud resources*
- *However, Cloud users cannot access on-premise resources*

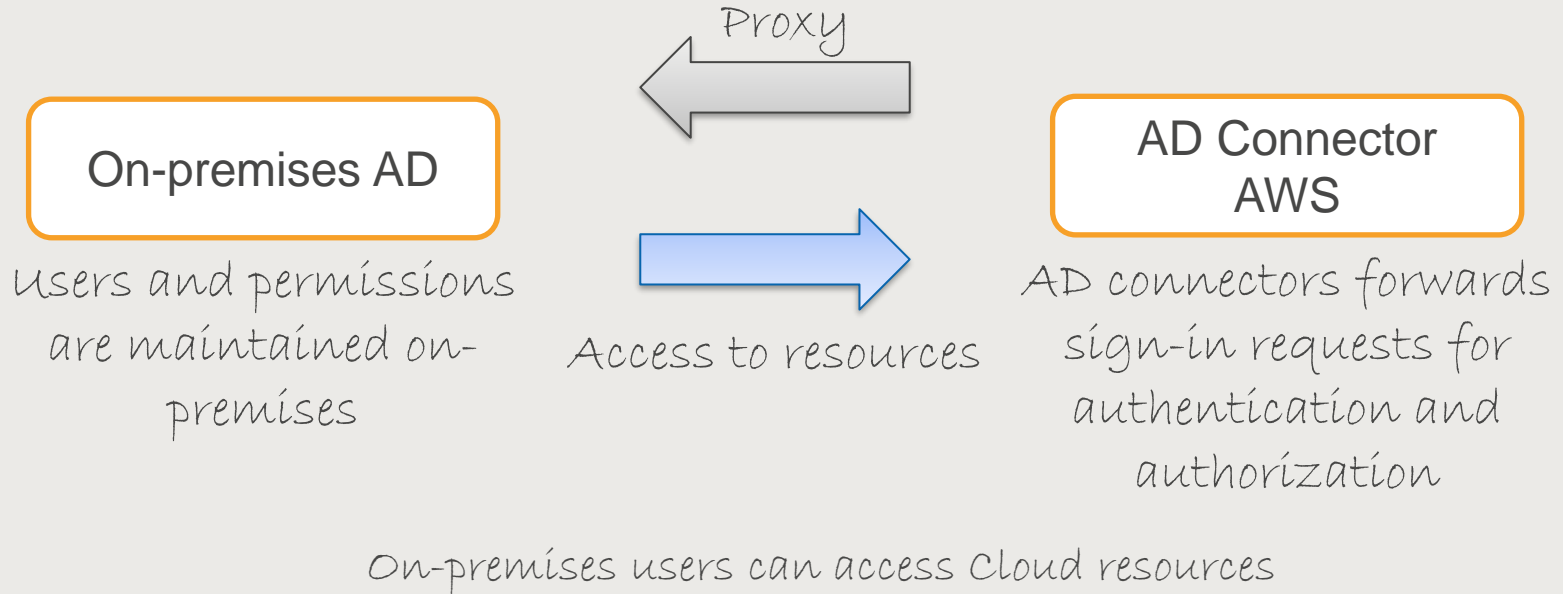
Trust Setup – Two Way Trust



On-premises and Cloud AD trust each other (two-way)

- *On-premises users can access Cloud resources*
- *Cloud users can access on-premise resources*

AD Connector – Proxy Service



AD Connector

- AD Proxy - Easy setup and eliminates need for complex hosting infrastructure
- Not compatible with RDS-SQL Server
- Supports MFA
- Small (up to 500 users)
- Large (up to 5000 users)

Simple AD

- Microsoft AD compatible – powered by Samba 4
- Basic AD features – users, group membership
- Standalone directory
- Does not support trust relationships, RDS SQL Server, MFA

“Customers who require the features of an actual Microsoft Active Directory, or who envision using their directory with RDS SQL Server should use AWS Managed Microsoft AD instead. Please verify your required applications are fully compatible with Samba 4 before using Simple AD. “

AWS Directory Service Options

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AD Connector

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