digitalPersona

SSO for Office 365

On Premise DigitalPersona Single Sign-on

AD Solution Deployment Guide

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Table of Contents

Scope

This document covers deployment and configuration of DigitalPersona STS with an Office 365 Federated Domain, and connection to an on-premise DigitalPersona AD Server. Active Directory users will be synchronized to Azure AD via Azure AD Connect, and users will gain access to the enterprise's SaaS applications.

Prerequisites

The following prerequisites should be satisfied prior to continuing with deployment.

- Public domain name – This must be the same domain name registered with Office 365 tenant.
- SSL certificate – Either a wildcard certificate for the public domain name, or one for the specific host name that will be used for STS.
- Office 365 Tenant – An Office 365 subscription with at least the Pro Plus plan.
- Administrator Account – An Office 365 Global Administrator account is required in order to change the tenant from Manage mode to Federation mode.
- Azure Active Directory Sync tool – The AAD Sync tool must be configured to use UPN as the On premise attribute to Azure AD username, and the source Anchor should be objectGUID.
- DigitalPersona Server – A DigitalPersona AD Server must be installed and licensed.
- Users – Users need to be enrolled with the DigitalPersona Server.
- STS – Preconfigured DigitalPersona STS and all required components for STS. Ensure that you are able to open the STS Metadata page by navigating to the following URL: https://<External_Host_Name>/dpsts/wsfed/metadata

Configure Federation for Office 365 tenant

WARNING: Federation generally takes between 15 and 90 minutes. During this time access to all Office 365 apps will be unavailable.

On the system which has AAD *Sync* installed, install the *Azure AD PowerShell Module*. You can download the *Azure Active Directory Module for Windows PowerShell (64-bit***)** from (http://go.microsoft.com/fwlink/p/?linkid=236297), and click *Run* to launch the installer package.

1. In a PowerShell session, perform the following steps to configure your Azure AD domain as a Federated domain:
2. Start a Windows PowerShell session.
3. Import the MSOnline mode by entering the following cmdlet.

   Import-Module MSOnline

4. Connect to the online service by executing the following cmdlet.

   Connect-MSolService

5. Enter the Office 365 administrator username and password.
6. Verify that the domain name is listed by executing the following cmdlet.

   Get-MsolDomain -domain <*domainname*>

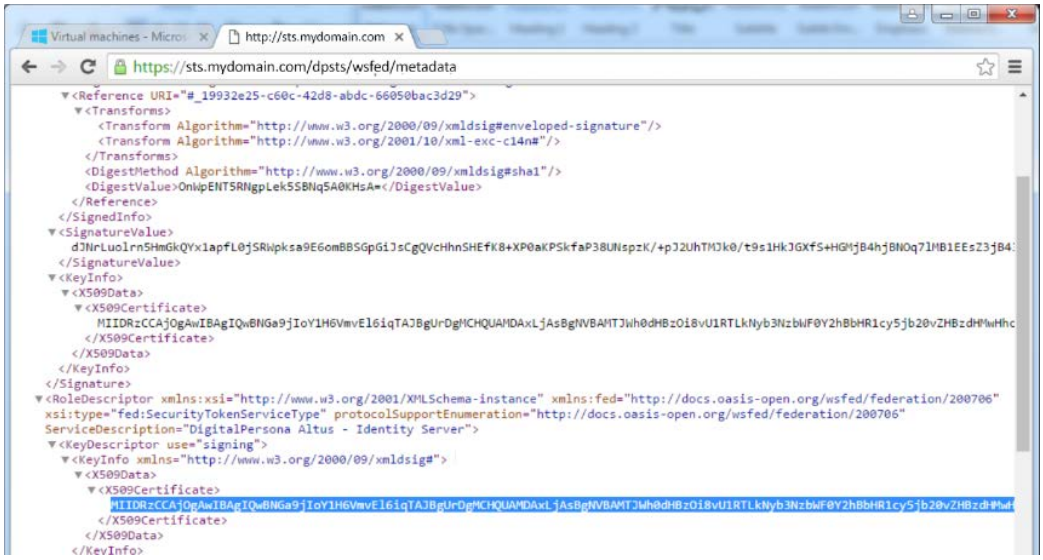
   You should be able to see the name of the domain that you will be federating.

```
Name                                Status      Authentication
----                                ------      --------------
mydomain.com                        Verified    Managed
qamfacom.onmicrosoft.com            Verified    Managed
qamfacom.mail.onmicrosoft.com       Verified    Managed
```

7. Convert the domain to a federated domain by executing the *Set-MsolDomainAuthentication* cmdlet with the parameters shown below, replacing the highlighted elements with your domain name and STS FQDN.

   Also specify the signing certificate value, which you can find by navigating to your STS metadata page and copying the string representation of the signing certificate.

   The STS Medata data URL is *https://sts.<domainname>/dppassivests/wsfed/metadata*



Set-MsolDomainAuthentication

-DomainName <domainname>.com

-Authentication Federated

-ActiveLogOnUri

https://sts.mydomain.com/DPActiveSTS/ActiveSecurityTokenService.svc/mixed/username/

-IssuerUri https://sts.<domainname>/dpsts

-LogOffUri https://sts.<domainname>/dpsts/wsfed

-MetadataExchangeUri https://sts.<domainname>/DPActiveSTS/ActiveSecurityTokenService.svc/mex

-PassiveLogOnUri https://sts.<domainname>/dpsts/wsfed

-PreferredAuthenticationProtocol WSFED

-SigningCertificate CertficateValue ''

Example

Set-MsolDomainAuthentication -DomainName <domainname> -Authentication Federated -ActiveLogOnUri https://sts.<domainname>/DPActiveSTS/ActiveSecurityTokenService.svc/mixed/username/ -

IssuerUri https://sts.<domainname>/dpsts -LogOffUri https://sts.<domainname>/dpsts/wsfed -MetadataExchangeUri https://sts.<domainname>/DPActiveSTS/ActiveSecurityTokenService.svc/mex -PassiveLogOnUri https://sts.<domainname>/dpsts/wsfed -PreferredAuthenticationProtocol WSFED -SigningCertificate MIIDADCCAeigAwIBAgIQQCbMQ9s9YYRHa3UFMY/1CDANBgkqhkiG9w0BAQ0FADAYMRYwFAYDVQQDDA1zdHMucWFtZmEuY29tMB4XDTE3MDMwNjIyMjAzMVoXDTE4MDMwNjIyMjAzMVowGDEWMBQGA1UEAwwNc3RzLnFhbWZhLmNvbTCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAOceGDySSTdtYAw26oGfWXB1sapJ0xi1OTnHIZiwtzgpgRu9vwpTxRE/SI5NqE53T+txba+bS2tsy80mCnPFMUqnAZ70CFrqkFgaxDid1Sx4APXNFwCyUgKBQ8aGIPz79WVzwCEvnIofXbS6GC6YJm3tj0F7RBU3P0Q5MCdHe6FNn9XtKq9vHbA3Oq+jW+xdoAn/kbBxbBBXOpiNuDs1dW932Rk3KP1wvz1Uz46UZ0w5tT6dPYclstaLdaikdhqNY35/Bz6bA9xUFIju5HKv75n/5jlTaOcHfMybb7D4rSHUVaCk6a7FnCOAfycNQ5XqPeentcCYYxm+LLgGGoWbhscCAwEAAaNGMEQwEwYDVR0lBAwwCgYIKwYBBQUHAwEwHQYDVR0OBBYEFJyTuGnlHjsMWCDNQ4hKBRwq5QUlMA4GA1UdDwEB/wQEAwIFIDANBgkqhkiG9w0BAQ0FAAOCAQEA47qrxXZIIfyufs1aTEAQeMXVeGGnDUv22b5TpXl4aUsjP8D4fIguXQrzw3Zz7UcS+tvt+k0nkPKOtAINdc33LJUcThv11wkZwrB0Y5WZ/1tXW4qntYwpVsAIXeb/PEQhsx02NHgVopbXINh10RNzg5HxCLBqgIWL4WkMv+HDb/7lTwQdgPFmRS7LeeuDkrVmWqzWDaHlmlpnM2N7ZK7SnScVgppxtEsjyxFryimf9kyzeJrYggOvbJCGvf/IkFg35IS2F+mgqKEvsQO4+F1kIqOspZZgWBHNDdQv0iSRLn2EXp4Oi0NWdAd7J8Mp7KtBibID5To0vhRj+F8YARGZOQ==

To Turn off Federation

If at some point, it is necessary to turn off the federation and switch back to a Managed domain, you can run the following cmdlet with the option *Managed.*

Set-MsolDomainAuthentication -DomainName <domainname> -Authentication Managed

Troubleshooting

Identity Provider login page doesn't display

1. If the Identity Provider (STS) login page displays on the server hosting STS, but not externally, the bindings need to be verified on IIS to make sure they contain the correct certificate. The STS certificate needs to be selected.
2. Logging can be enabled on the DPActiveSTS website by including the following in its web.config file

   <sharedListeners>

   <add initializeData="C:\dptrace\TracingAndLogging-server.svclog" type="System.Diagnostics.XmlWriterTraceListener" name="xml" />

   </sharedListeners>
3. For troubleshooting any application connectivity issues after federation, you can use the *Remote Connectivity Analyzer* at https://testconnectivity.microsoft.com/.
4. You should clear out any previous tokens or sessions and start fresh after Federation. For example, sign out of any MS-Office applications and delete user sign-in information from Skype.

Uninstalling Web Management Components

The DigitalPersona Web Management Components can be uninstalled using the Windows Control Panel.

During uninstallation, a dialog displays that allows you to remove any certificates that were created automatically by the DigitalPersona Configuration wizard.

If you choose to remove the certificates created by DigitalPersona

- When upgrading the Web Management Components, new certificates will have to be created (either automatically or manually) and you will need to update the federation setting to Azure.

If you choose to keep the certificates created by DigitalPersona

- When upgrading, the saved certificates will be used and no changes will need to be made.