

# DigitalPersona® SSO for Office 365

*On Premise DigitalPersona SSO for Office 365*

AD Solution Deployment Guide

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# Table of Contents

- Scope..... 4
- Prerequisites..... 4
- Configure Federation for Office 365 tenant..... 4
- Turn off Federation..... 5
- Troubleshooting..... 6

## Scope

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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

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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](https://<External_Host_Name>/dpsts/wsfed/metadata)

## Configure Federation for Office 365 tenant

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**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.

In a PowerShell session, perform the following steps to configure your Azure AD domain as a Federated domain:

1. Start a Windows PowerShell session.
2. Import the MSOnline mode by entering the following cmdlet.  
  
*Import-Module MSOnline*
3. Connect to the online service by executing the following cmdlet.

### Connect-MSolService

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

```
Get-MsolDomain -domain <domainname>
```

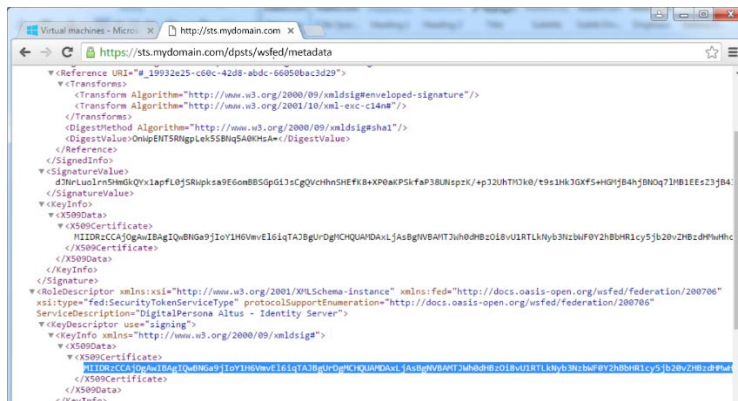
You should be able to see the name of the domain that you will be federating.

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

6. 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 Metadata 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 CertificateValue "

### 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
MIIDADCCAeigAwIBAgIQQCbMQ9s9YYRH3UFMY/1CDANBgkqhkiG9w0BAQ0F
ADAYMRYwFAyDVQDDA1zdhMucWFtZmEuY29tMB4XDTE3MDMwNjIyMjAz
MVoXDTE4MDMwNjIyMjAzMVowGDEWMBQGA1UEAwNc3RzLnFhbWZlLnNv
bTCCASIWdQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAOceGDySSTdtYAw
26oGfWXB1sapJ0xi1OTnHIZiwtzgpgru9vwpTxRE/SI5NqE53T+txba+bS2tsy80mCnPF
MUqnAZ70CFrqkFgaxDid1Sx4APXNFWCyUgKBQ8aGIPz79VWzwCEvnIofXbS6GC6
YJm3tj0F7RBU3P0Q5MCdHe6FNn9XtKq9vHbA3Oq+jW+xdoAn/kbBxbBBXOpiNuDs
1dW932Rk3KP1wvz1Uz46UZ0w5tT6dPYclstaLdaikdhqNY35/Bz6bA9xUFIju5HKv75n/
5jITaOcHfMybb7D4rSHUVaCk6a7FnCOAfycNQ5XqPeentcCYYxm+LLGGGoWbhscC
AwEAAaNGMEQwEwYDVR0IBAwcGyYIKwYBBQUHAWewHQYDVR0OBBYEFJ
yTuGnlHjsMWCDNQ4hKBRwq5QUIMA4GA1UdDwEB/wQEAwIFIDANBgkqhkiG9w
0BAQ0FAAOCAQEAA47qrxXZIfyufs1aTEAQeMXVeGGnDUv22b5TpXl4aUsjP8D4fIg
uXQrzW3Zz7UcS+tvvt+k0nkPKOtAINdc33LJUcThv11wkZwrB0Y5WZ/1tXW4qntYwpV
sAIXeb/PEQhsx02NHgVopbXINh10RNzg5HxCLBqgIWL4WkMv+HDb/7ITwQdgPFm
RS7LeeuDkrVmWqzWDaHlmlpnM2N7ZK7SnScVgppxtEsjyxFryimf9kyzeJrYggOvbJC
Gvf/IkFg35IS2F+mgqKEvsQO4+F1kIqOspZZgWBHNDdQv0iSRLn2EXp4O0i0NWdAd7
J8Mp7KtBibID5To0vhRj+F8YARGZOQ==

```

## To Turn off Federation

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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

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1. If the 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.