

(Cloud) Tip of the Day: Advanced way to check domain availability for Office 365 and Azure

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Archived: 2026-04-05 13:24:49 UTC



Today's Tip...

This is an extension of a [previous tip](#).

Another way to check if domain is available by copying and pasting the following URL string to a web browser:

<https://login.microsoftonline.com/getuserrealm.srf?login=user@contoso.com&xml=1>

Note - Replace the "bolded" part with the domain you want to check.

Review the results and really pay attention to the NameSpaceType value.

Scenario: If the domain does not exist in Office 365/Azure AD...

```
<?xml version="1.0"?>
<u>RealmInfo Success="true"</u>
<State>4</State>
<UserState>1</UserState>
<Login>user@fakedomain.com</Login>
<NameSpaceType>Unknown</NameSpaceType>
</RealmInfo>
```

Scenario: Domain is verified and not federated...

```
<?xml version="1.0"?>
<u>RealmInfo Success="true"</u>
<State>4</State>
<UserState>1</UserState>
<Login>user@williamfiddes.com</Login>
<NameSpaceType>Managed</NameSpaceType>
<FederationBrandName>WILLIAMFIDDES.COM</FederationBrandName>
</RealmInfo>
```

Scenario: Domain is verified and federated...

```
<?xml version="1.0"?>
<u>RealmInfo Success="true"</u>
<State>1</State>
<UserState>2</UserState>
<Login>user@willfid.msftonlinerepro.com</Login>
<NameSpaceType>Federated</NameSpaceType>
<DomainName>WILLFID.MSFTONLINEREPRO.COM</DomainName>
<FederationGlobalVersion>-1</FederationGlobalVersion>
<AuthURL>https://sts.willfid.msftonlinerepro.com/adfs/ls/</AuthURL>
```

```
<IsFederatedNS>true</IsFederatedNS>  
  
<STSAuthURL>https://sts.willfid.msftonlinerepro.com/adfs/services/trust/2005/usernamemixed</STSAuthURL>  
<FederationTier>0</FederationTier>  
  
<FederationBrandName>WILLFID.MSFTONLINEREPRO.COM</FederationBrandName>  
  
<AllowFedUsersWLIDSignIn>>false</AllowFedUsersWLIDSignIn>  
  
<Certificate>MIIC+jCCAeKgAwIBAgIQFnePUJ582Y9I6SQvgH5UgDANBgkqhkiG9w0BAQsFADA5MTcwNQYDVQQDEy5BREZTIFNpZ25pbmcgI  
</Certificate>  
  
<MEXURL>https://sts.willfid.msftonlinerepro.com/adfs/services/trust/mex</MEXURL>  
  
<SAML_AuthURL/>  
  
<PreferredProtocol>1</PreferredProtocol>  
  
<EDUDomainFlags>0</EDUDomainFlags>  
  
</RealmInfo>
```

- **Anonymous**

March 30, 2017

Thanks for this. interestingly I have users in the same OU, with the same UPN suffix, some are as scenario 1 (so not working) and others are state 3, userstate2 and working as expected.

Source: https://docs.microsoft.com/en-us/archive/blogs/tip_of_the_day/cloud-tip-of-the-day-advanced-way-to-check-domain-availability-for-office-365-and-azure