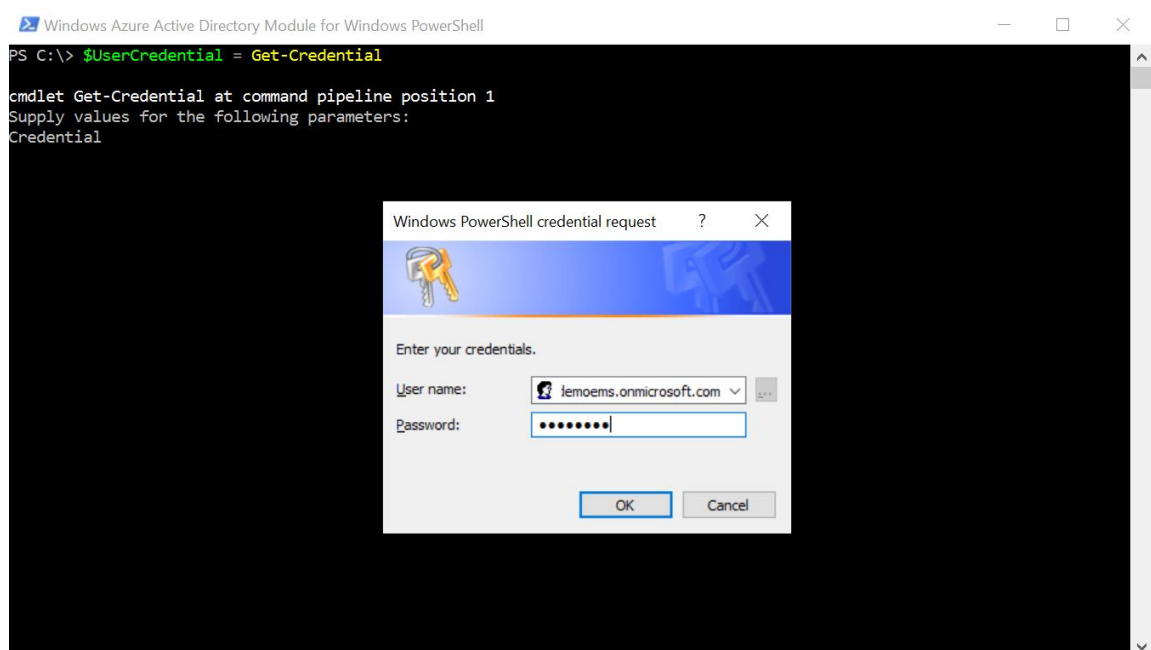# Enabling Multi-Factor Authentication for bulk users via PowerShell

In this **example**, bulk users in the AAD tenant who require MFA enablement will be completed via PowerShell.

1. Edit the Bulk Update CSV file and verify that the usernames requiring MFA enablement are present in the **Username** column.

2. Open **Windows Azure Active Directory for Windows PowerShell** and enter the following command:

   ```
   $UserCredential = Get-Credential
   ```
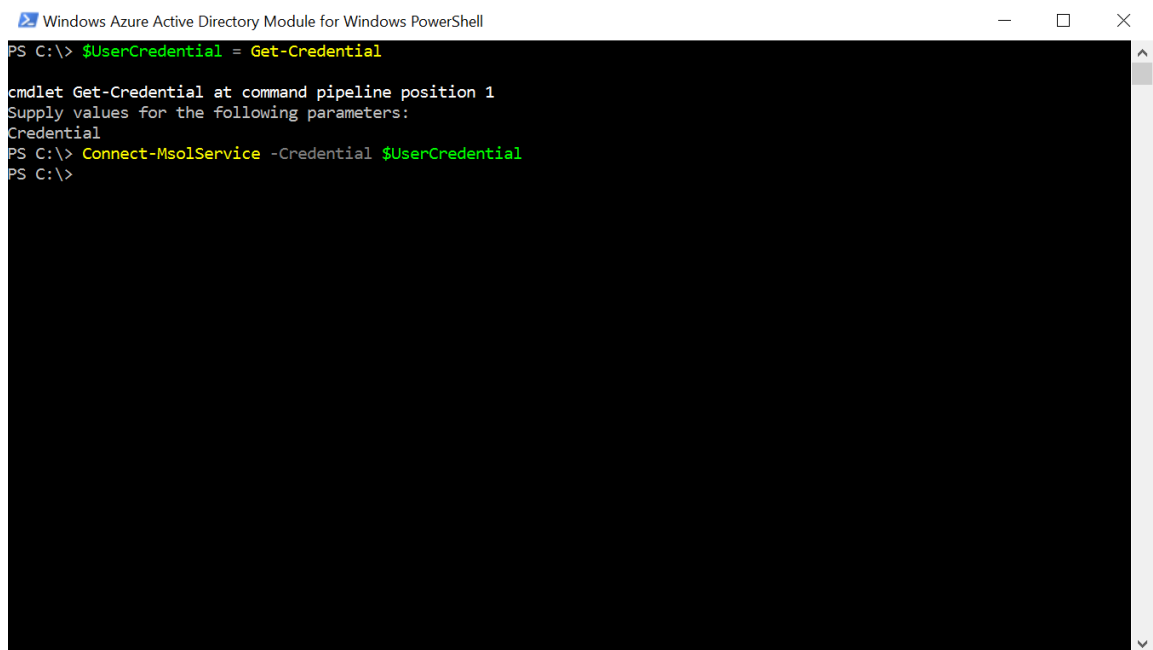
3. When prompted, enter your Office 365 Global Administrator credentials and select **OK**.



4. Enter the following command:

   ```
   Connect-MsolService -Credential $UserCredential
   ```

5. PowerShell will now initiate a connection to the Office 365 subscription.



6. Run the following commands to automatically enable MFA for all usernames listed in **Username** column in the Bulk Update CSV file.

```
$st = New-Object -TypeName
Microsoft.Online.Administration.StrongAuthenticationRequirement

$st.RelyingParty = "*"

$st.State = "Enabled"

$sta = @($st)

$csvpath = "C:\cspdemoems MFA Users.csv"

$MFAUsers = Import-csv $csvpath

ForEach ($user in $MFAUsers.username) {

Set-MsolUser -UserPrincipalName $User -StrongAuthenticationRequirements $sta

}
```
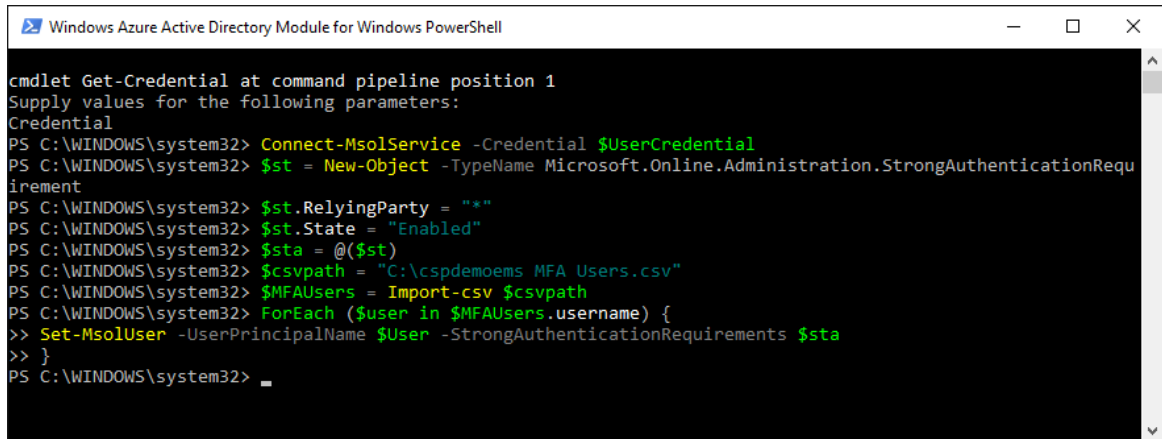
7. Using this example CSV bulk update file, the **Windows Azure Active Directory for Windows PowerShell** window will look like this.

```
cmdlet Get-Credential at command pipeline position 1
Supply values for the following parameters:
Credential
PS C:\WINDOWS\system32> Connect-MsolService -Credential $UserCredential
PS C:\WINDOWS\system32> $st = New-Object -TypeName Microsoft.Online.Administration.StrongAuthenticationRequ
irement
PS C:\WINDOWS\system32> $st.RelyingParty = "*"
PS C:\WINDOWS\system32> $st.State = "Enabled"
PS C:\WINDOWS\system32> $sta = @($st)
PS C:\WINDOWS\system32> $csvpath = "C:\cspdemoems MFA Users.csv"
PS C:\WINDOWS\system32> $MFAUsers = Import-csv $csvpath
PS C:\WINDOWS\system32> ForEach ($user in $MFAUsers.username) {
>> Set-MsolUser -UserPrincipalName $User -StrongAuthenticationRequirements $sta
>> }
PS C:\WINDOWS\system32>
```