

Disabling Office 365 Services for Some, or All Users



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Overview



How is this useful?

The PowerShell script to do it

Other tips and tricks



How Is This Useful?



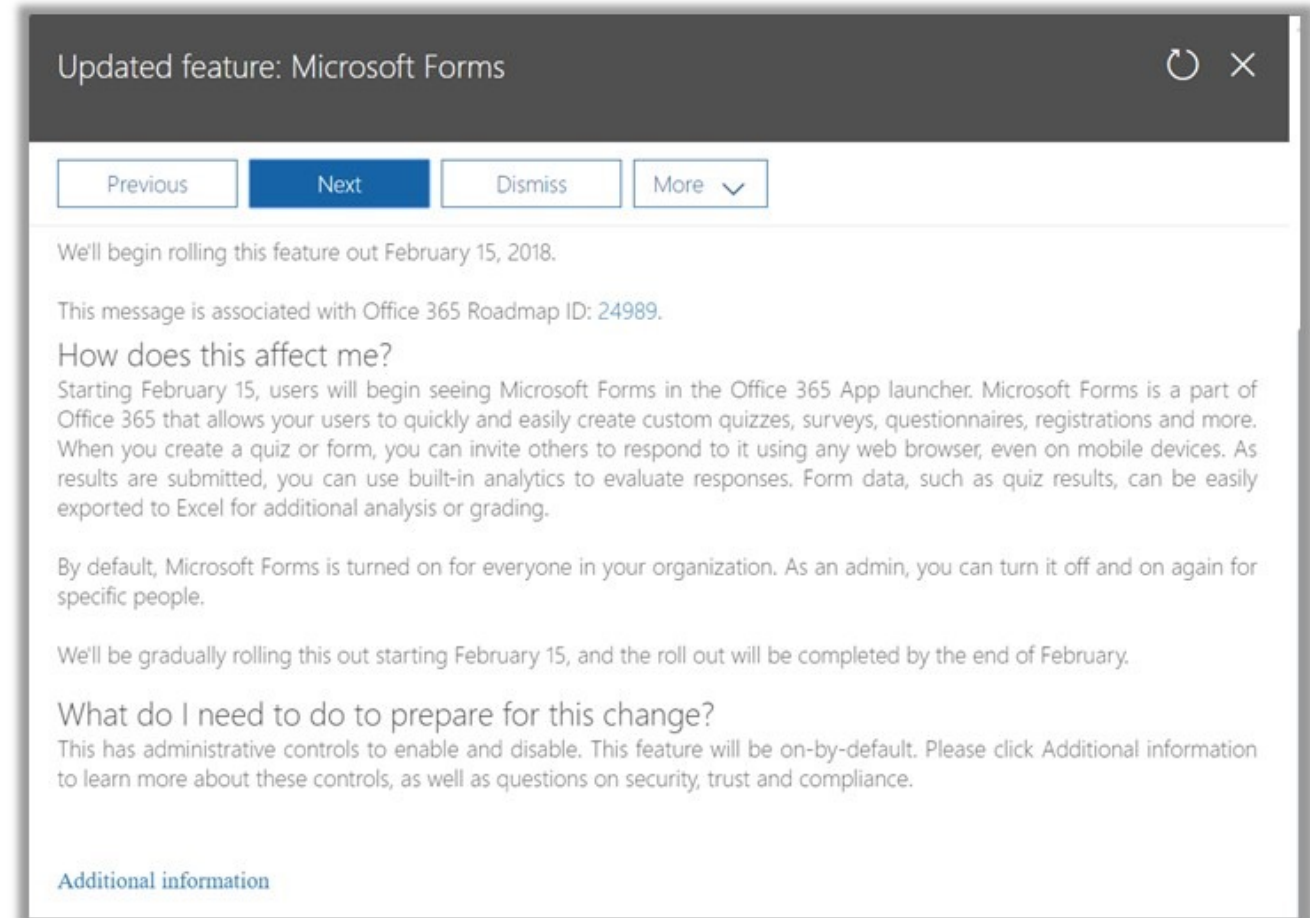
Microsoft is adding new stuff to Office 365 every month

And that's a good thing!

We might not want some apps enabled in our organization

There are multiple valid reasons for that!

Compliance
Training



To turn off services,
we need to disable
the license for specific
users

Easy for a few users,
impossible to do
manually for an
organization

We can automate this
with PowerShell

JC

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CTO, IT

×

Product licenses

Location *
United States

⚠ NOTE: Once new users are set up for Skype for Business PSTN Calling, assign them a phone number in the [Skype for Business admin center](#). (If you don't see them there, check back in a few minutes.)

✓ Office 365 Enterprise E5
49 of 50 licenses available

✓ PowerApps and Logic Flows
9999 of 10000 licenses available

^ Office 365 Enterprise E3
17 of 25 licenses available

To-Do (Plan 2)

Microsoft Forms (Plan E3)

Stream for Office 365

Microsoft StaffHub

Flow for Office 365

PowerApps for Office 365

Microsoft Teams

Microsoft Planner

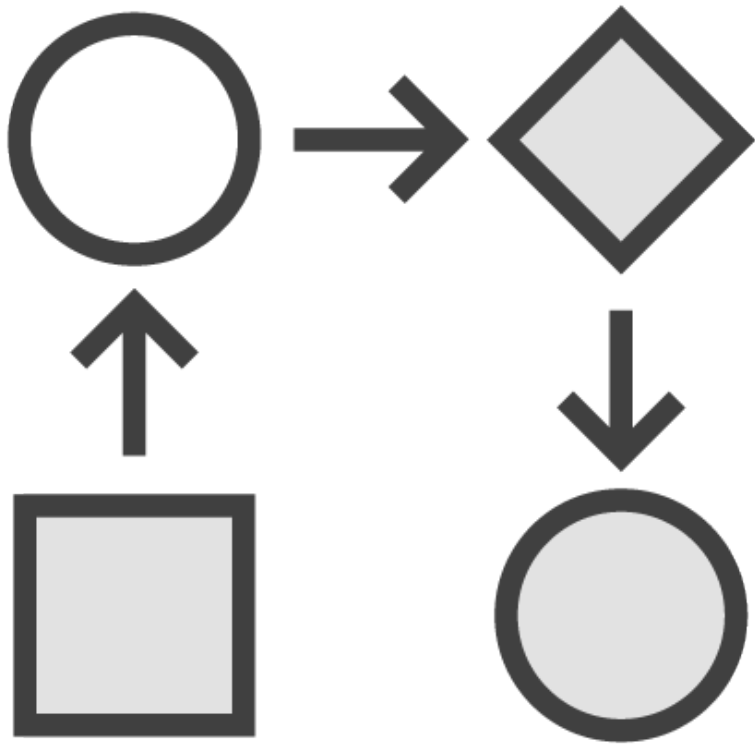
Sway

A circular button with a right-pointing arrow, indicating the next slide in a presentation.

Disabling Office 365 Services for Some, or All Users Using PowerShell



Game Plan



Discover the subscriptions we have in our tenant

Get the Service Plan name(s) that we want to disable

Apply the new configuration to the selected users

PowerShell Modules Used







Azure Active Directory PowerShell Module



Discover Our Subscriptions

`Get-AzureADSubscribedSku | Format-Table -AutoSize -Wrap`

```
Administrator: Windows PowerShell
PS C:\Pluralsight> Get-AzureADSubscribedSku | Format-Table -AutoSize -Wrap

ObjectId                               SkuPartNumber                        SkuId
-----
fa17dd8f-73cb-4300-9dfd-265b06fd8901_c7df2760-2c81-4ef7-b578-5b5392b571df ENTERPRISEPREMIUM                   c7df2760-2c81-4ef7-b578-5b5392b571
fa17dd8f-73cb-4300-9dfd-265b06fd8901_87bbbc60-4754-4998-8c88-227dca264858 POWERAPPS_INDIVIDUAL_USER           87bbbc60-4754-4998-8c88-227dca2648
fa17dd8f-73cb-4300-9dfd-265b06fd8901_6fd2c87f-b296-42f0-b197-1e91e994b900 ENTERPRISEPACK                       6fd2c87f-b296-42f0-b197-1e91e994b9
fa17dd8f-73cb-4300-9dfd-265b06fd8901_26d45bd9-adf1-46cd-a9e1-51e9a5524128 ENTERPRISEPREMIUM_NOPSTNCONF        26d45bd9-adf1-46cd-a9e1-51e9a55241
fa17dd8f-73cb-4300-9dfd-265b06fd8901_d3b4fe1f-9992-4930-8acb-ca6ec609365e MCOPSTN2                            d3b4fe1f-9992-4930-8acb-ca6ec60936

PS C:\Pluralsight>
```



Get the Service Plan Name(s) That We Want to Disable

Get-AzureADSubscribedSku

-ObjectId fa17dd8f-73cb-4300-9dfd-265b06fd8901_c7df2760-2c81-4ef7-b578-5b5392b571df |
Select-Object -ExpandProperty ServicePlans

```
Administrator: Windows PowerShell
PS C:\Pluralsight> Get-AzureADSubscribedSku -ObjectId fa17dd8f-73cb-4300-9dfd-265b06fd8901_c7df2760-2c81-4ef7-b578-5b5392b571df | Select-Object -ExpandProperty ServicePlans
```

AppliesTo	ProvisioningStatus	ServicePlanId	ServicePlanName
User	Success	3fb82609-8c27-4f7b-bd51-30634711ee67	BPOS_S_TODO_3
User	Success	e212cbc7-0961-4c40-9825-01117710dcb1	FORMS_PLAN_E5
User	Success	6c6042f5-6f01-4d67-b8c1-eb99d36eed3e	STREAM_O365_E5
User	Success	8e0c0a52-6a6c-4d40-8370-dd62790dcd70	THREAT_INTELLIGENCE
User	Success	8c7d2df8-86f0-4902-b2ed-a0458298f3b3	Deskless
User	Success	07699545-9485-468e-95b6-2fca3738be01	FLOW_O365_P3
User	Success	9c0dab89-a30c-4117-86e7-97bda240acd2	POWERAPPS_O365_P3
User	Success	57ff2da0-773e-42df-b2af-ffb7a2317929	TEAMS1
User	Success	8c098270-9dd4-4350-9b30-ba4703f3b36b	ADALLOM_S_O365
User	Success	4de31727-a228-4ec3-a5bf-8e45b5ca48cc	EQUIVIO_ANALYTICS
User	Success	9f431833-0334-42de-a7dc-70aa40db46db	LOCKBOX_ENTERPRISE
User	Success	34c0d7a0-a70f-4668-9238-47f9fc208882	EXCHANGE_ANALYTICS
User	Success	a23b959c-7ce8-4e57-9140-b90eb88a9e97	SWAY
Company	Success	f20fedf3-f3c3-43c3-8267-2bfdd51c0939	ATP_ENTERPRISE
User	Success	4828c8ec-dc2e-4779-b502-87ac9ce28ab7	MCOEV

Apply the Change to One User

```
$User = Get-AzureADUser -ObjectId jeff.collins@globomantics.org
```

```
$Sku = New-Object -TypeName Microsoft.Open.AzureAD.Model.AssignedLicense
```

```
$Sku.SkuId = "c7df2760-2c81-4ef7-b578-5b5392b571df"
```

```
$Sku.DisabledPlans = @( "7547a3fe-08ee-4ccb-b430-5077c5041653" , "e212cbc7-0961-4c40-9825-01117710dcb1" )
```

```
$Licenses = New-Object -TypeName  
Microsoft.Open.AzureAD.Model.AssignedLicenses
```

```
$Licenses.AddLicenses = $Sku
```

```
Set-AzureADUserLicense -ObjectId $User.ObjectId -AssignedLicenses $Licenses
```

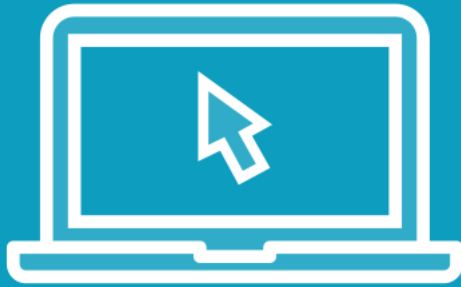


Applying the Change to a Department

```
Get-AzureADUser |  
    Where { $_.Department -eq "Research" } |  
    Set-AzureADUserLicense -AssignedLicenses $Licenses
```



Demo

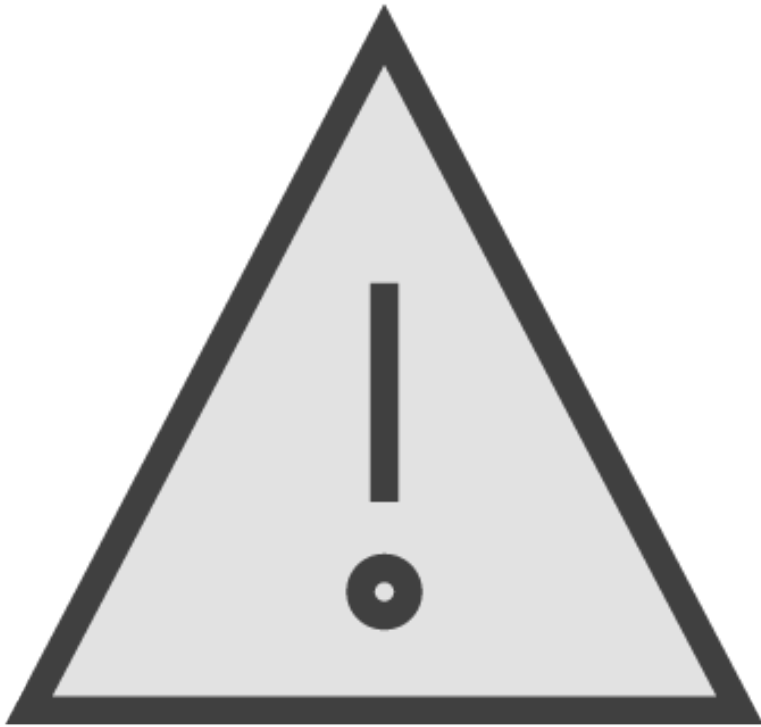


**Disabling Office 365 Services for some,
or all users using PowerShell**



Other Tips and Tricks





Document your licenses before applying the change to the whole company

Not all your users might be using the same license

F1 for Field workers

E3 for Office workers

E5 for Executives

Once you know how licenses are assigned, you can create the PowerShell script to assign licenses properly





When creating new users, assign the license via PowerShell

This will make sure new users have the license with the correct services enabled



Conclusion



Microsoft is adding new stuff to Office 365 every month

We might not want some apps enabled in our organization

Compliance

Training

Disabling apps requires multiple clicks per user when done via the User Interface

PowerShell enables us to do it quickly, and at scale

Document your licenses before applying the change at scale

