Managing Sync Security

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Overview

Allow syncing only on PCs joined to specific domains

Block syncing of specific file types

Control sync settings with Group Policy

Allow Syncing Only on PCs Joined to Specific Domains

Allow Users to Sync on Domain Joined PCs Only

Sync offline files on domain joined PCs only

Extra security measure

- No offline files left on personal devices
- Wipe if necessary from MDM solution

Requires PCs to be joined to an Active Directory domain

- Not Azure AD only joined PCs

Get Your Active Directory Domain GUID

```
Get-ADDomain | Select ObjectGUID
```

Mac Sync client requests will not be blocked by default

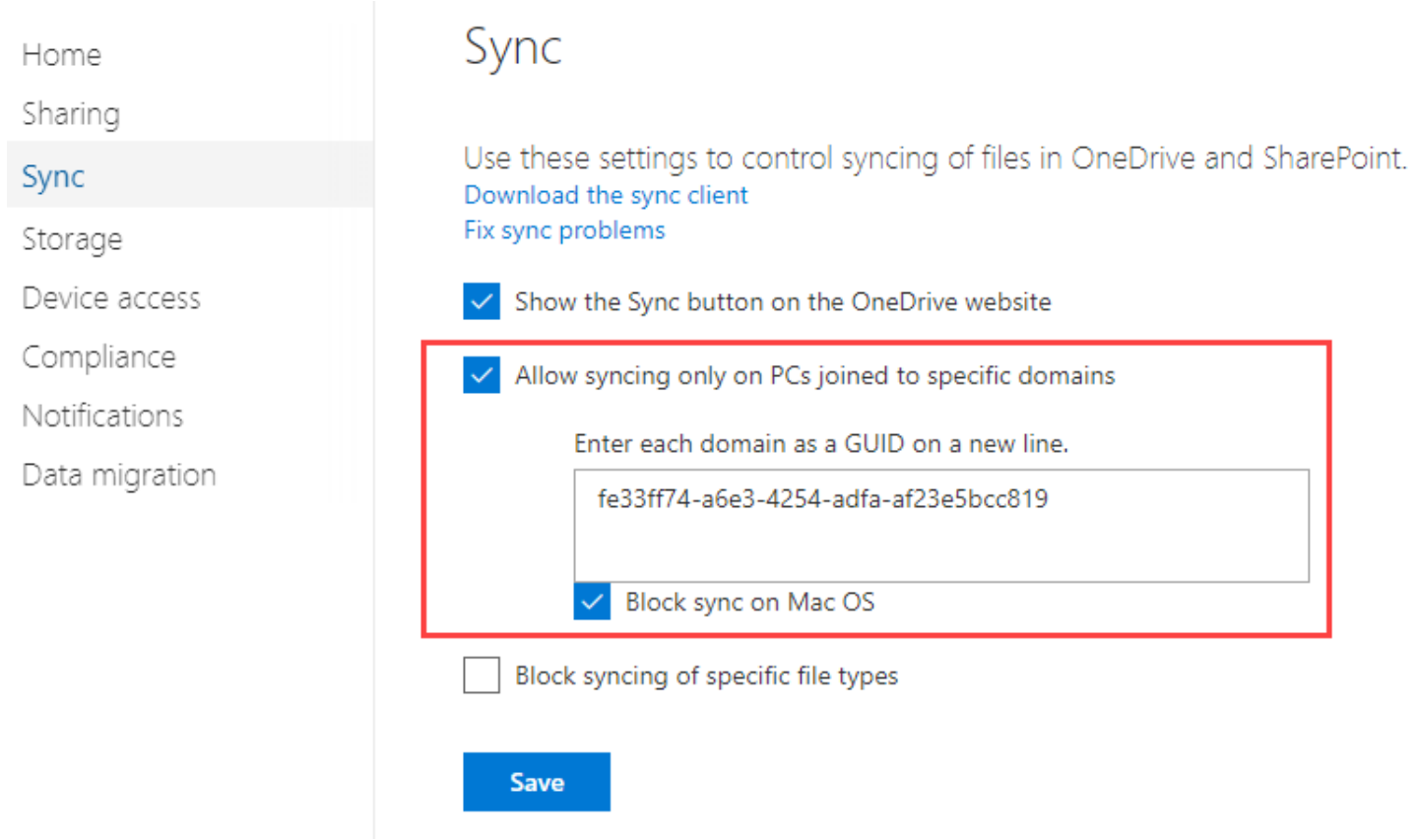
You can block Mac client from syncing as a separate option

Admin Center

Sync

Enter GUID of each domain

Block sync on Mac OS



Configure via PowerShell

```
Set-SPOTenantSyncClientRestriction
    -Enable
    -DomainGuids "786548DD-877B-4760-A749-6B1EFBC1190A;
                  877564FF-877B-4760-A749-6B1EFBC1190A"
    -BlockMacSync:$true
```

Specify the computer domain GUID, not the user domain

It might take up to 24h for changes to take effect!

Demo

Allow syncing only on PCs joined to specific domains

Block Mac sync

Block Syncing of Specific File Types

Block Syncing of Specific File Types

Users can drag and drop all kind of files in their OneDrive for Business folder

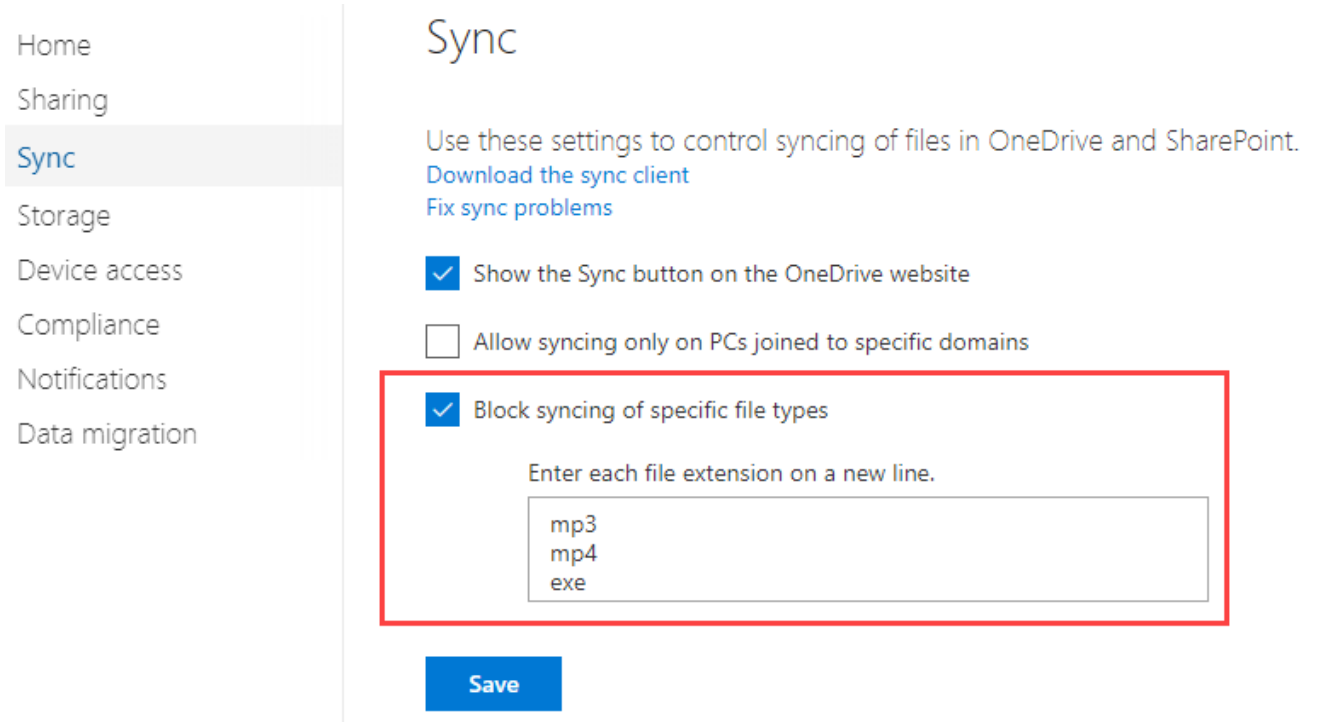
- They would be automatically uploaded to OneDrive for Business

You can configure certain file types to not be synced with OneDrive for Business

Admin Center

Sync

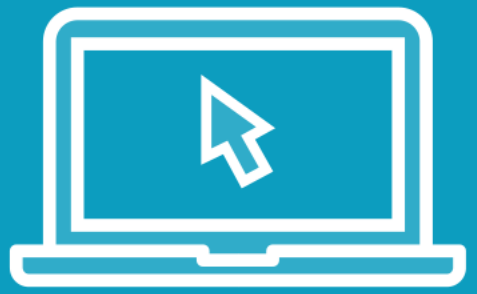
Enter each file extension



Configuration via PowerShell

```
Set-SPOTenantSyncClientRestriction
    -ExcludedFileExtensions "mp3;mp4;exe"
```

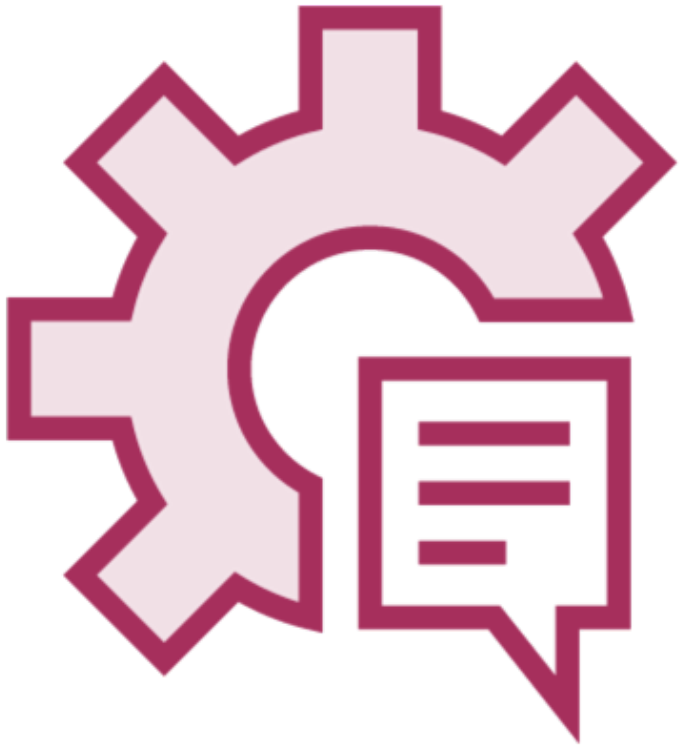
Demo



Block syncing of specific file types

Control Sync Settings with Group Policy

Using Group Policy to Control the Sync Client



Group policies allows you to configure settings at the sync client level

Those settings are usually done by the systems administrator

- Most of the times different from the OneDrive admin
- Domain Administrator

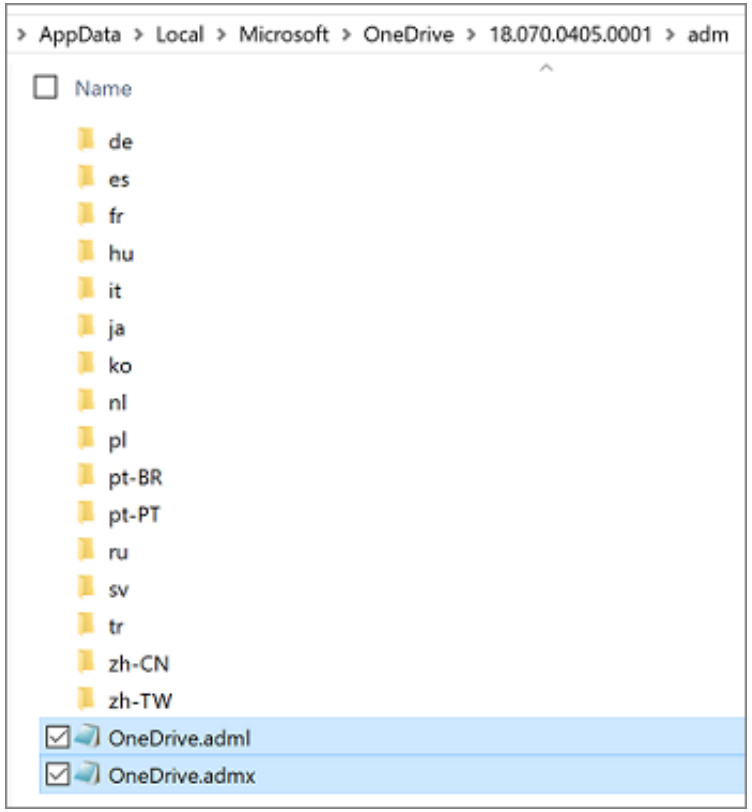
Group Policy Administration
https://app.pluralsight.com/paths/skills/group-policy-administration

Where to Find Group Policy Files

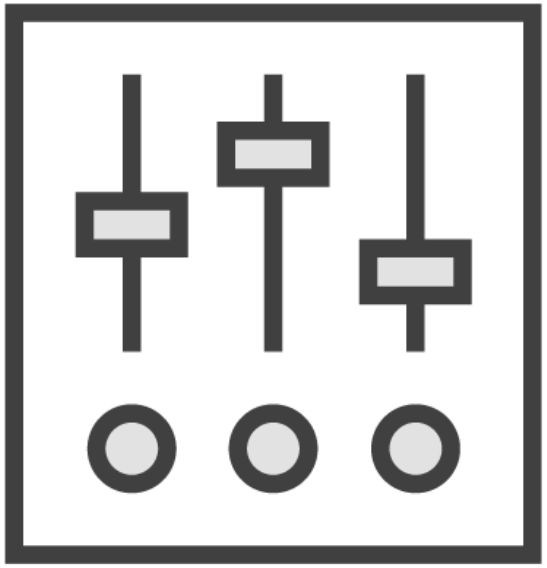
Group policy files can be found in one of two locations

- %localappdata%\Microsoft\OneDrive\<BuildNumber>\adm
- C:\Program Files (x86)\Microsoft OneDrive\<BuildNumber>\adm

Paste the .admx file in your domain's Central Store



What Can We Do?



Allow syncing OneDrive accounts for only specific organizations

Set the default location for the OneDrive folder

- Prevent users from changing the location of their OneDrive folder

Prevent users from syncing personal OneDrive accounts

Use OneDrive files on-demand

Limit the sync client download/upload speed to a fixed rate

Configure team site libraries to sync automatically

And more!

View All Settings

Use Group Policy to control OneDrive sync client settings

- https://docs.microsoft.com/en-us/onedrive/use-group-policy

Conclusion

Allow syncing only on PCs joined to specific domains

- Extra security measure to block enterprise files on personal devices
- Block Mac sync

Block syncing of specific file types

Control sync settings with Group Policy