NextGen

# WebDrive Large-Scale Deployment and Customization Guide

*QuickStart Guide*

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## Deployment

WebDrive can be deployed to multiple desktops by a variety of means including GPO and SCCM. This document will describe how to use the installer and configure default settings and connection profiles as well as customize the user interface. Deployment typically involves the following steps:

1. Run the installer silently to install the software on the end users system
2. Activate the software using a registration code
3. Optionally copy default connection profiles to the end users system
4. Optionally copy default application settings to the end users system

Note: all folder and settings names described in this document are case sensitive

## Installers

The Windows version of WebDrive has both an exe and msi version of the installer. Typically GPO will require the msi version of the installer. The mac version consists of a pkg installer. The latest version of each installer can be downloaded with the links below. The installer will require administrator privileges on both Windows and Mac platforms.

- **EXE** installer - https://www.webdrive.com/software/nextgen/webdrive/WebDrive Setup.exe
  To run the exe installer silently use a /S command line argument. This is case sensitive so /s will not work. The installer will prompt for elevation if the calling process is not already elevated
  Note: to change the default installation folder use the /D command line parameter to specify the installation folder and this parameter must be the last argument and must not be quoted. For example "WebDrive-Setup.exe /S /D=C:\Program Files\CustomFolder\WebDrive

- **MSI** installer - https://www.webdrive.com/software/nextgen/webdrive/WebDrive Setup.msi
  To execute the msi installer use the following possible syntax, for silent install use /qn and the wrapped_arguments syntax below, be sure to copy this exactly and use double quotes where specified

  msiexec /i "WebDrive Setup.msi"
  msiexec /i "WebDrive Setup.msi" /qn WRAPPED_ARGUMENTS="/S"

  To uninstall use the application id as follows to uninstall the MSI package

  msiexec /X{FB6E3BF6-322A-4F65-BD0A-F969FB05431C} /QN WRAPPED_ARGUMENTS="/S"

  To install into a custom folder use the following syntax

  msiexec /i "WebDrive Setup.msi" /qn WRAPPED_ARGUMENTS="/S /D=C:\Program Files\CustomFolder\WebDrive"

- **PKG** installer - https://www.webdrive.com/software/nextgen/webdrive/WebDrive Setup.pkg
  installer - `sudo installer -pkg "WebDrive Setup.pkg" -target /`


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## Configuration

Regardless of which installation type is chosen the installer will scan the folder where the exe, msi, or pkg file resides for a folder named 'defaults'. If the folder named 'defaults' is found then it's entire contents will be copied to the end users system and placed into a computer wide location that all users have access to. For Windows the system wide location is %ALLUSERSPROFILE%\WebDrive\defaults (typically c:\ProgramData\WebDrive\defaults) and for Mac it's /Library/WebDrive/default

**defaults Folder Structure**

The defaults folder can contain a default application settings file, any number of default connection profiles, and an appsetup.json file which is used during installation to activate the software and customize the user interface. You can download a sample defaults folder configuration here
https://www.webdrive.com/software/nextgen/webdrive/defaults.zip

Example layout of the defaults folder with an installer, each file is optional

```
\somepath\WebDrive Setup.exe
\somepath\defaults\appsetup.json
\somepath\defaults\UserParams.json
\somepath\defaults\sites\AcmeFTPServer.json
\somepath\defaults\sites\Corporate-SharePoint.json
```

After copying the contents of the 'defaults' folder to the target system it will look for the appsetup.json file in the system wide location described above and if found process it to activate the software and customize the appearance of the user interface.

Each time WebDrive is run by a user this computer wide location will be scanned to see if there are any connection profiles or application settings files to import into the users file space. This allows for an administrator to make changes to these files and WebDrive will automatically import them into their user specific profiles the next time they run WebDrive.

If you are familiar with WebDrive 2019 mass deployment the appsetup.json file is a replacement for the appsetup.ini file. For backwards compatibility an appsetup.ini file can still be used however we recommend moving to the appsetup.json file for future compatibility.

**appsetup.json example** - Note: all settings are case sensitive

```
{
  "RegCode": "55-1111-11-11-11",
  "UIDisableList": "tbAddConnection,tbSettings"
}
```

If a registration code is specified then upon installation it will be activated. The UIDisableList setting is a comma separated list used to hide certain UI elements in the application. For a list of possible values see the Customizing User Interface section below.

The "DefaultsFolder" which is optional and typically not included in the file can be used to override where the WebDrive application will scan for settings and connection profiles to import. This setting could be used to point to a UNC so that any changes made to connection profiles or settings could be made globally for all computers on your network.

## Settings and Connection Profiles

Settings and connection profiles are json files located in a place specific to each user, in windows this is "%localappdata%\WebDrive" and for mac the location is '~/.local/share/WebDrive' In this folder the application wide settings for each user is in a file called UserParams.json. Each connection profile that is created is stored under a "Sites" folder in this location. You can edit these json files with any editor such as notepad when preparing them for large scale deployment, or simply configure WebDrive and copy the UserParams.json and connection profiles by hand to your deployment folder.

*Note: When editing the json files be sure that they remain valid json files. One common mistake when hand editing json files is to have the final setting with a trailing comma before the end } character, this will not work please see example json files for proper examples. Also if you wish to change the name of a connection profile be sure to also edit the "SiteName" setting inside the json file to match, if they are mismatched you may end up with duplicate profiles.*

## Importing Default Settings

WebDrive will automatically attempt to import connection profiles and application settings from the system wide default location on your computer every time it is run. For Windows platforms that default folder is '%ALLUSERSPROFILE%\WebDrive\defaults' and on Mac the location is '/Library/WebDrive/defaults'. The defaults folder can be populated during installation or at a later time. If files in the 'defaults' folder are changed WebDrive will detect this and import the new settings. This can be used by administrators to push new settings and profiles to end users without requiring a new installation. You can use GPO or login scripts to configure the defaults folder with any changes you wish to push to users. When setting a default UserParams.json file or json be sure to remove any machine specific settings like log and cache files locations so that the user specific folder will not be overwritten.

*Note: when importing/merging default json files any setting that is in the destination json file and not in the default one will be left untouched. This is important when leaving out username / password, oauth access tokens etc. Generally you will want to leave the credential settings blank so that the user will be prompted to enter their own credentials. The following settings are used for credentials for the various connector types, "UserName", "PassWord", "RefreshToken", "AccessToken", "AccessKey", "SecretKey"*

## Cache and Log Folder Locations

The cache and log folder locations are stored in the userparams.json file however they are not imported during large scale deployment. If you want to setup a custom location to use for cache and log folders on the end users system then edit the userparams.json file in your large scale deployment and add a new setting called "UserDataPath" and set this to the desired path. When "UserDataPath" is specified in this way the cache and log folder will be built using this path and adding on "FileCache" and "Logs'"to UserDataPath. You can also use '%username%' as a macro in the path to substitute the end user's Windows username when building out the path.

Example: add "UserDataPath": "C:\\WebDriveCache\\%username%"

The cache folder on the end users system would be "c:\\WebDriveCache\\john\\FileCache" and the log folder would be "C:\\WebDriveCache\\john\\Logs"

## Sample Deployment Files

You can download a sample defaults folder that contains a few connection profiles and configuration files to show how to customize large scale deployment. The file can be downloaded here:
https://www.webdrive.com/software/nextgen/webdrive/WebDriveDeploymentSamples.zip

## Command Line Options

There are several tasks that can be performed via command line interface in WebDrive including mounting and dismounting connections and activating and deactivating licenses. The command line utility WebDriveCLI.exe can be found in the installation folder, for Windows it's 'c:\Program Files\WebDriveApp\bin'. To get a list of command line options just run WebDriveCLI.exe without any arguments in a command prompt. To use command line arguments on Mac you can execute WebDriveCLI via the following command
'./Applications/WebDrive.app/Contents/bin/WebDriveCLI --activate <regcode>'

For more information on the command line interface for WebDrive please see the following document

https://www.webdrive.com/software/nextgen/webdrive/WebDrive%20Command%20Line%20Interface.pdf

## Customizing the User Interface

To hide UI elements in the application that you don't want users to have access to there is a setting in the appsetup.json file called "UIDisableList". You can edit this json file with any editor. The UIDisableList string is a comma separated list of the elements to hide, for example setting "UIDisableList" to "tbAddConnection,tbSettings" will hide the add connection button on the toolbar and also the application settings button on the toolbar.

Just because a setting is removed/hidden from display its underlying functionality is still controlled by its normal setting. For example, removing the server address field from the UI just hides it, its value is still stored in the connection profile.

## Toolbar Settings

- tbAddConnection - Hides the '+' add connection icon on the toolbar
- tbSearch - Hides the search button on the toolbar
- tbActivity - Hides the activity button on the toolbar
- tbMoreActions - Hides the vertical dots 'More Actions' button on the toolbar
- tbSettings - Hides the application settings button on the toolbar
- tbTransferManager – Hides the transfer manager button on the toolbar

## Connection List

The connection list is where each connection is listed and the following settings control how it appears

- connSettings - removes the settings option on each connection in the list
- connMore - removes the more button on each connection in the list
- connOfflineFiles - removes the manage offline files button that appears while connected
- connSelect - removes the selected circle on the left hand side which allows you to delete or export the site
- connImportExport - removes the export and import connection options
- connGettingStarted - removes the 'getting started' help section when there are no connections defined
- connContextMenu - removes the right click context menu from connection list

## Connector Types

The following settings can be used to remove a certain protocol from being selected when creating a new connection. When the user hits the '+' icon he is prompted for the connector type to create, the list of connectors are restricted with the following settings

- ctGoogleDrive - remove Google Drive
- ctOneDrive - remove OneDrive

- ctSharePointOnline - remove Sharepoint online
- ctODBusiness - remove OneDrive Business
- ctS3 - remove Amazon S3
- ctDropbox - remove Dropbox
- ctDAV - Remove WebDAV
- ctFTP - Remove FTP
- ctSFTP - Remove SFTP
- ctGoogleStorage - Remove Google Storage
- ctIBMStorage - Remove IBM Storage
- ctBox - Remove Box connector
- ctSharePointOnlineGovCloud – Remove SharePoint Goverment Cloud connector

## Application Settings Dialog

The following settings control which UI elements are removed from the application settings dialog which is activated from the toolbar. These settings only hide the option from the UI they do not stop the functionality from happening, to do that you must ensure the setting is disabled in UserParams.json

- appCheckForUpdates - Removes the UI component that controls checking for updates. Note: if you set this you should also verify that the actual setting "CheckForUpdates" is set to false
- appShowAdvanced - Removes the checkbox that allows the user to turn on the ability to see more advanced settings
- appRunAtLogin - Removes the run at login option
- appHideInTray - Removes the hide in tray option
- appActivate - Removes the license activate / deactivate button
- appPurchase - Removes the application purchase button
- appLicense - Removes the license section which shows the registration code
- appLanguage - Removes the ability to select a different language
- appClearCache - Removes the clear cache button and details
- appLogging - Removes the logging section on the dialog
- appFolderLocations - Removes the Folder Locations section of the dialog
- appProxySettings - Removes the Proxy Settings section of the dialog
- appAllowBetaUpdates - Removes the allow beta version updates
- appScreenReader - Removes the screen reader enable option
- appFileTransferWindow - Removes the option to enable file transfer window
- appSaveWindowPosition - Removes the option to save window position
- appAdvancedSettings - Removes the advanced settings accordion
- appAutoDriveSelect - Removes the setting for auto drive select
- appGraphUseBrowser - Removes the setting to allow browser authentication for onedrive / sharepoint online and onedrive business connectors

- appAllowRDS – Removes the allow RDS option in advanced settings section

## Connection Settings Dialog

The following settings control which UI elements are removed from the connection settings dialog

- csServerAddress - Removes the field for entering the server url for ftp,sftp,webdav connections

- csCredentials - Removes the user credentials portion which consists of the username/password field, or S3 access keys, etc.
- csDescription - Removes the connection description field
- csName - Removes the connection name field
- csDriveLetter - Removes the connection drive letter selector from the dialog
- csRootDrive - Removes the root drive in folder option
- csConnectAtLogin - Removes the connect at login field
- csBrowseDrive - Removes the browse after connecting field
- csCertificate - Removes the ssl certificate section from the dialog
- csHostkey - Removes the ssh hostkey section from the dialog
- csCustomPort - Removes the custom port field from the dialog
- csBucket - Removes the bucket selection field from the dialog
- csS3Advanced - Removes the S3 Advanced section from the dialog
- csAutoCheckout - Removes the auto checkout field from the dialog in the WebDAV section
- csAdvancedSection - Removes the entire advanced section including the dropdown
- csProtocolSettings - Removes the connector specific sections like “WebDAV Settings”, “FTP Settings” and “SFTP Settings” from the dialog
- csCacheSettings - Removes the Cache Settings section of the dialog
- csCacheKeepClear - Removes most of the cache settings however keeps the ability to clear the cache. If this is desired use this rather than “csCacheSettings”
- csReadOnly - Removes the drive read only field from the dialog
- csEnableThumbnails - Removes the enable thumbnails field from the dialog
- csDevicesless - Removes the deviceless connection field from the dialog
- csBypassProxy - Removes the bypass proxy field from the dialog
- csServiceSettings - Removes settings related to using WebDrive with a service
- csSaveCredentials - Removes the save credentials field
- csPromptAlways - Removes the always prompt for credentials field
- csConnectionLimit - Removes the connection limit field
- csRetries - Removes the retry field
- csUNC - Removes the UNC name field
- csTempOfficeFiles - Removes the Cache temporary Microsoft office files
- csTLSProtocols - Removes the tls protocol selection section
- csQuotaEnable - Removes the enable quota setting

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