

# Zee Drive Command Line Usage

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## 1 Introduction

Zee Drive has command line support to automate the install, upgrade, activation (for hot desk computers only) and deactivation (for hot desk computers and desktop servers only) of Zee Drive. This document describes how to use the Zee Drive command line to perform these actions.

Refer to the last two sections in this document for information on how to test the command line support from the Windows command prompt and how to debug if there was an error.

*Zee Drive command line parameters are case sensitive.*

## 2 Upgrading a Personal Computer

A computer which has been activated with Zee Drive as a personal computer can be upgraded to a new version of Zee Drive using the Zee Drive command line.

The upgrade is a three-step process; first download the latest version of Zee Drive, then install the new version of Zee Drive on the target computer using the Install command running as local administrator, then run the Upgrade command under the local user account that you want to upgrade. The Upgrade command needs to run under the user's local account because Zee Drive needs to update a registry entry in the user's local registry hive.

### 2.1 Download Zee Drive

Download the version of Zee Drive you want to upgrade to on to the target computer, or, on to a network share that the computer has access to.

Zee Drive can be downloaded from the Thinkscape website or from Zee Drive itself when activated as a Zee Drive subscription administrator.

### 2.2 Install Zee Drive

Running as a local administrator, install the new version of Zee Drive on the target computer using the command line:

**[path to Zee Drive]\ZeeDrive.exe Command=Install**

The Install command will return 10 if the install was successful, 11 if a reboot is required, or 1 if there was an error.

### 2.3 Upgrade Zee Drive

If the new version of Zee Drive has been successfully installed you can then upgrade the user's local account to use the new version of Zee Drive which will take effect then next time they sign in to the computer.

This is the command to update an existing Zee Drive activation. It should be run under the user's account as it needs to update their registry hive:

**[path to Zee Drive]\ZeeDrive.exe Command=Update**

Running this command will make the new version of Zee Drive start-up automatically when the user next signs in to Windows (it updates the registry "Run" entry).

The Update command will return 0 on success, 1 on error and 2 if Zee Drive is not installed.

### 3 Upgrading a Hot Desk Computer or Desktop Server

A computer which has been activated with Zee Drive as a hot desk computer or desktop server can be upgraded to a new version of Zee Drive using the Zee Drive command line.

The upgrade is a two-step process; first download the latest version of Zee Drive, then install and upgrade the new version of Zee Drive on the target computer using the UpdateShared command running as local administrator.

After a successful upgrade, the new version of Zee Drive will start up when the users next sign in to the computer.

#### 3.1 Download Zee Drive

Download the version of Zee Drive you want to upgrade to on to the target computer, or, on to a network share that the computer has access to.

Zee Drive can be downloaded from the Thinkscope website or from Zee Drive itself when activated as a Zee Drive subscription administrator.

#### 3.2 Install and Upgrade Zee Drive

Running as a local administrator, install and upgrade to the new version of Zee Drive on the target computer using the command line:

```
[path to Zee Drive]\ZeeDrive.exe Command=UpdateShared
```

The UpdateShared command will return 0 or 10 on success, 11 if a reboot is required, or 1 if there was an error.

### 4 Activating a Hot Desk Computer

Zee Drive can be silently installed and activated on hot desk computers. First download Zee Drive to the target computer then running as a local administrator, use the command line:

```
[path to Zee Drive]\ZeeDrive.exe Command=ActivateShared Subscription=[SUBID]  
ActivationCode=[ACTCODE]
```

Replace [SUBID] with your Zee Drive subscription ID, and replace [ACTCODE] with your hot desk computer activation code which you can generate from the Zee Drive administration screens.

The ActivateShared command will return 0 on success or 1 if there was an error.

### 5 Deactivating a Hot Desk Computer and Desktop Server

A computer activated as a hot desk computer or desktop server can be deactivated using the MSI. Running as a local administrator, install and upgrade to the new version of Zee Drive on the target computer using the command line:

```
[path to Zee Drive]\ZeeDrive.exe Command=Deactivate
```

The Deactivate command will return 0 on success or 1 if there was an error.

*Note that deactivating via this command will only prevent Zee Drive from subsequently starting up on the computer it won't release the shared computer licence(s) associated with the computer. To release the licence(s) associated with the computer use the deactivate option from the Zee Drive administration screens.*

## 6 Trusting/Removing Trust of the zeedrive URI Protocol in Office

When Zee Drive is installed on a personal computer it creates an entry in the user's registry hive to indicate to Microsoft Office that the Zee Drive URI protocol is to be trusted. This means that when a user clicks a Zee Drive link (one starting with zeedrive:) in an Office application, Office will hand the link over to Zee Drive to open without warning the user.

This is the registry key that Zee Drive creates:

```
HKEY_CURRENT_USER\Software\Policies\Microsoft\Office\16.0\Common\Security\Trusted Protocols\All Applications\zeedrive:
```

Use the `UnregisterTrustedProtocol` command to remove the registry entry and the `RegisterTrustedProtocol` command to recreate the registry entry if it has been removed.

### 6.1 Trust the zeedrive URI Protocol in Office

Create the registry entry in a given user's registry hive on the local computer so that Office will trust the zeedrive URI protocol. This will stop Office from prompting the user with a warning when they click on a zeedrive: link. The command needs to be run as a local administrator.

```
[path to Zee Drive]\ZeeDrive.exe Command=RegisterTrustedProtocol  
WindowsUser=[WINDOWSUSER]
```

Replace `[WINDOWSUSER]` with the Windows username of the user's registry hive to create the trusted protocol entry in. E.g. if `[WINDOWSUSER]` is set to `Thinkscape\Myles` it will create the trusted protocol entry in the registry hive of user `Thinkscape\Myles`.

The `RegisterTrustedProtocol` command will return 0 on success or 1 if there was an error.

### 6.2 Removing Trust of the zeedrive URI Protocol in Office

Remove the registry entry in a given user's registry hive on the local computer so that Office will no longer trust the zeedrive URI protocol. Office will now prompt the user with a warning when they click on a zeedrive: link. The command needs to be run as a local administrator.

```
[path to Zee Drive]\ZeeDrive.exe Command=UnregisterTrustedProtocol  
WindowsUser=[WINDOWSUSER]
```

Replace `[WINDOWSUSER]` with the Windows username of the user's registry hive to remove the trusted protocol entry from. E.g. if `[WINDOWSUSER]` is set to `Thinkscape\Myles` it will remove the trusted protocol entry in the registry hive of user `Thinkscape\Myles`.

The `UnregisterTrustedProtocol` command will return 0 on success or 1 if there was an error.

## 7 Running from the Command Prompt

If you are running Zee Drive command line from the command prompt to test out the commands you should prefix the command with `cmd /k` this is so that the command prompt will wait for Zee

Drive to finish running and set the %errorlevel% variable. If you do not use cmd /k then %errorlevel% will not be set by Zee Drive when running from the command prompt.

Here is a full example using the Install command:

**cmd /k "c:\path to zee drive\ZeeDrive.exe" Command=Install**

then you can type **echo %errorlevel%** to check the return code.

## 8 Debugging with the Log File

If a command failed you can check the reason for the failure in the Zee Drive activity log. The activity log can be found in the Windows temp folder by opening up Windows File Explorer and entering %temp% in to the address bar and hitting the return key. Look for files in the temp folder with the file name format:

ZeeDriveActivityLog-(digits).txt