



# **CCH ® Document**

**Document Drive Update for Version 3.3  
Workstation**

## DocumentDownloadBackground.aspx

The DocumentDownloadBackground.aspx file must be replaced on the **Document server**.

1. Copy the DocumentDownloadBackground.aspx file to the following location after renaming the existing file:

C:\Program Files\CCH Document\Document\Document

2. Delete the contents of the following directory:

C:\Windows\Microsoft.NET\Framework\v1.1.4322\Temporary ASP.NET

(NOTE: It may be necessary to reset IIS to be able to delete the contents. Selecting Start then Run type **iisreset** to reset IIS.)

3. Reset IIS after emptying the Temporary ASP.NET directory.

4. On each workstation, delete the Internet Explorer Temporary Files.

**NOTE:** All workstations must be updated with the new Document Drive when applying this update. The Document Drive must be manually uninstalled on each workstation prior to installing the update.

## Document Drive Deployment via Active Directory

With version 3.3 of CCH Document, a feature of Active Directory which allows Administrators to automatically deploy software when the machine is booted or a user logs on may be leveraged to distribute the Document Drive install to each user. This document assumes you will be deploying CCH Document Drive to a set of machines to which the users don't have local administrator rights, and it will focus on the process of deployment via the Computer Configuration GPO setting.

Listed here are some business rules for this deployment:

- Installation runs as the local computer domain account (NT Authority\System). Authentication to the share location containing the CCH Document Drive.MSI package uses the local machines Kerberos cache.
- Package Deployment configured under the Computer Configuration Group Policies are only pushed to Computers within the assigned Organizational Unit (OU) tree.
- Package Deployment configured under the User Configuration Group Policies are only pushed to Users within the assigned Organizational Unit (OU) tree.
- The share containing the CCH Document Drive.MSI package must allow Domain Computers at least READ access. The Authenticated Users group is also sufficient.

- The Group Policy Object must allow for Read and Apply Group Policy rights for Domain Computers. The Authenticated Users group is also sufficient.
- Packages are only deployed upon the initial boot of a computer or during the logon of a user, depending on how the Package Object is defined. Packages will NOT be deployed during the normal Security Settings refresh interval.
- Once a Package is successfully deployed, it will NOT be redeployed unless it is manually redeployed or versioning is enabled.

### Defining the GPO and Package Object

Create a share on a server and allow Domain Computers at least READ access to the share. Copy the CCH Document Drive.msi and CCH Document Drive.vbs installation file and 32TechCode39LT.ttf to the share and ensure it allows for Domain Computers READ access.

Edit CCH Document Drive.vbs for Document Server Name and the Drive Letter and Shared Path:

1. Right click on the file CCH Document Drive.vbs and select **Edit**.
2. Locate this line:

```
enter your Document Server name and Drive Letter here
server = "SERVERNAME"
```

```
driveletter = "DRIVELETTER"
path = "SHAREDPATH"
```

3. Replace SERVERNAME with the Document Server name, DRIVELETTER with the drive letter to map the Document Drive on each workstation, and SHAREDPATH with the shared path on the Domain Controller where the CCH Document Drive.vbs is located.
4. **Save** the File and **Close**.

Create the Group Policy Object in the Active Directory Users and Computers application:

1. Right click on the Organizational Unit you wish to define the GPO for and select **Properties**.
2. Click the Group Policy tab and click **New**.
3. Type a descriptive name for this new GPO. Be sure to prefix the name with your Section/Division to provide uniqueness.
4. Click the **Properties** button, then select the **Security tab**. Add the Domain Computers group (or edit the existing Authenticated Users group) and assign the READ and APPLY GROUP POLICY rights.

5. Click on the **Edit** button to edit this new Group Policy. Group Policy Object Editor opens.
6. Expand the Computer Configuration\Software Settings tree on the left side of the screen in the Group Policy Object editor. Right click the Software Installation tree option and select the menu item New\Package.
7. An Open File dialog box will appear. Type in the UNC path to the server share where the CCH Document Drive MSI installer file is located. Select the MSI installer file and click Open. If you receive a 'Cannot open file' error, check the share permissions to ensure the account you are using has READ/WRITE access to the share.
8. Select the **Assign** radio button and click **OK**. The other Published and Advanced radio buttons are alternate ways to publish the MSI package. Published will not automatically install the MSI installer file, but instead place an entry in the local Add/Remove Programs utility for manual installation later. Advanced will give you the ability to change certain properties such as the Package Name.
9. You have now created and assigned the Package Object.
10. Right click on the Package Object and select Properties.
11. Click on the **Security tab** and add Domain Computers (or Authenticated Users if that is your scheme) to the security permissions. Ensure Domain Computers have the READ right.
12. Click the **Advanced tab** and select Domain Computers (or Authenticated Users if that is your scheme) and click Edit. Assign the List Contents, Read All Properties and Read Permissions checkboxes are selected.
13. Expand Computer Configuration\Windows settings\Scripts on the left side of the screen. On the right side of the screen right click on Startup and click on **Properties**.
14. Click the **Add** button in the Select Properties window and select CCH Document Drive.vbs from the share.
15. Click on **OK**.
16. Close the Group Policy window.
17. Close the GPO window.
18. The CCH Document MSI package has been defined and is ready for deployment.

Wait about 10-15 minutes for your changes to be replicated to the other Domain Controllers.

### **Verifying Installation**

Reboot a machine contained within the OU for which you defined the GPO; an information box will appear on the screen after the Applying Security Settings messages stating that the installation of the CCH Document Drive MSI package is underway. After the workstation boots, log in and open the Event Viewer. Navigate to the Applications Event Viewer. A successful installation will have three informational entries indicating a successful deployment.

## References

This document is based on the original document MSI Deployment via Active Directory, by Joe Klemencic.

<http://home.fnal.gov/~jklemenc/dl/AD-MSI-for-Dummies.doc>

Other related links:

<http://support.microsoft.com/?kbid=314934>

<http://www.microsoft.com/windows2000/techinfo/howitworks/management/gptshoot.asp>