



## Configuring Bi-Directional Scheduled Synchronization

---

### Goal:

Scheduled bi-directional synchronization of servers or workstations in which data modified on either machine is replicated on interval or schedule to the other machine.

### Preparation:

The PeerSync installation should be installed on a machine that can see the folders that need to be synchronized on the two machines – this may be either machine involved in the synchronization, or a completely separate machine.

**Note:** Generally performance will be greatest when PeerSync is installed on one of the two machines involved in the synchronization.

---

The following steps are performed on the machine where PeerSync is installed.

1. Start **PeerSync Profiler**.
2. Click on the **Job** menu at the top and choose **Add** then select **Job with Defaults**.
3. Change the drop-down list in the top left from **Basic** to **Advanced**.
4. In the **Folder Selection** window, enter the local drive path that needs to be replicated in the **Source Folder** field. Enter the UNC path or mapped drive letter for the destination of the replicated data in the **Target Folder** field.
5. In the **Automation** window, under the **Scanning Options** section, you will be able to schedule the synchronization to **Scan Job every x minutes** or setting up a daily timer schedule by selecting **Scan Job at x**.
6. In the **File Options** window, check the options **Add-synchronize new files** and **Update-synchronize existing files**. If you would like file and folder deletion events to be replicated to the second server, check the option **Replicate-Delete unmatched files**. If this is enabled, we recommend clicking on the **Move Options...** button and selecting a folder or the Recycle Bin to place the deleted files in, otherwise files will be permanently deleted from the system.
7. In the **File Options** window, select **Bi-directional (both directions)**. Choose **Ok** in the pop-up message box. Now click on **Global Settings** link to the right of this option and check the **Use enhanced bi-directional synchronization mode options**.

8. In the **Options/Commands** window click on the button to the right of the Command Line Argument field to open the **Current Command Line Argument Selection** dialog box. Add **/YO-** and **/QYD:0** to the list of command line arguments. These options are recommended when doing standard or enhanced bi-directional synchronization (i.e. the "Always create a super-set during bi-directional synchronization" option is **NOT** selected) to ensure that deleted files from one side are not re-added by the other side. These arguments should **NOT** be used if there are more than two machines involved in a bi-directional synchronization. You can find more information about these options in the **PeerSync Help Document**.
9. **(Optional)** In the **StartUp/Service** window, choose the desired startup method. In order to setup PeerSync to run unattended as a service, choose **Install as an NT Service**.  
  
***Note:** If running as a service, make sure the service is using a non-local system account, such as domain admin or any other account that has access to the replicated directories.*
10. Save the profile by going to the **File** menu and choosing **Save** or **Save As**.
11. Run PeerSync by going to the **Run/View Current Profile**.