



Configuring Bi-Directional Real-Time Synchronization

Goal:

Real-Time bi-directional synchronization of servers or workstations in which data modified on either machine is replicated in real-time to the other machine.

Preparation:

The PeerSync installation should be installed on both servers involved in the bi-directional synchronization.

The following steps are performed on the first server, and then repeated on the second server.

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, check the options **Use real-time monitoring**. Click on the **Real-Time Options ...** button and check the option **Use enhanced real-time monitoring (File Level Change Detection)**. This will ensure real-time events are monitored and processed.
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 checking the **Move deleted files to an alternate location** option then 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 the **Global Settings** link next to the **Bi-directional (both directions)** option and check **Always create a super-set during bi-directional synchronization**.

Note: *If you do **NOT** check the "Always create a super-set during bi-directional synchronization" option (i.e. doing standard or enhanced bi-directional*

synchronization) we recommend you add **/YO-** and **/QYD:0** to your list of command line arguments (located in the Options/Commands window). These options will ensure that during standard or enhanced bi-directional synchronization, 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**.

8. In the **Miscellaneous** window, select **Use intermediate file during** copy.
9. **(Optional)** In the **StartUp/Services** 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**.
12. Repeat Steps 1-12 on the *second* machine, but with the source and target paths reversed. You can also copy the .SNC file that was created when the profile was saved to the second machine and make modifications to that file. The .SNC file is stored in the PeerSync installation directory by default.