12.9 SFTP Setup * Optional *

Setting up Secure File Transfer Protocol (SFTP)

By default, the File Repository Cell uses SOAP to transfer files in i2b2. If you prefer your admin user transfer files directly via SFTP you will need to take the following steps.

Step 1: Enter cell parameters in i2b2 Administration Module
Step 2: Create an FRC directory

Step 1: Enter Cell Parameters in i2b2 Admin

The **first step** in setting up the File Repository to use SFTP is to enter a few parameters on the File Repository cell. These **cell parameters** will define the Method, Host and Port to be used when transferring files.

Parameter Name	Values	Required	Description
FRMethod	SFTP or local	Yes	Defines the method to be used when retrieving files
FRHost	*Name of your WildFly Server*	Yes	The name of the machine where WildFly is installed
FRPort	*Example:* 22	No	The port to be used when retrieving files

Steps to Add Parameters to File Repository Cell

Error rendering macro 'excerpt-include'

User 'null' does not have permission to view the page.

6. Enter the following parameter to define the ***method*** *of transfer*.
Parameter Name: FRMethod
Parameter Value: SFTP ***or*** local
Parameter Data Type: Text

Important

If the CRC is on the same WildFly as the File Repository then you will want to set the FRMethod to ***local***. This will prevent the CRC Loader from accessing the File Repository via a web service call, which will result in faster responses.

7. Click on **Save** to save the new parameter.
8. The *Parameters List* page will display with the new parameter.

Note

The Navigation panel will not automatically refresh to display the new parameter. If you wish to update the list in the Navigation panel you can click on *Params* and it will refresh the hierarchical tree.

9. In the *Parameters List* page click on **Add New Parameter** to enter another parameter.
10. Enter the following parameter for the ***name of the machine*** where your WildFly resides.

Parameter Name: FRHost
Parameter Value: *Machine_Name_Where_WildFly Resides*
Parameter Data Type: Text

11. Click on **Save** to save the new parameter.
12. In the *Parameters List* page click on **Add New Parameter** to enter another parameter.
13. Enter the following parameter for the ***port*** to be used by the FRC to connect. *This parameter is optional. The value is usually set to 22.*

Parameter Name: FRPort
Parameter Value: 22
Parameter Data Type: Text

14. Click on **Save** to save the new parameter.
15. The *Parameters List* page will display all the new parameters you have entered.
16. In the Navigation panel click on **Params** to refresh the hierarchical tree and display the new parameters.

Step 2: Create an FRC directory

The **second** and **last step** in setting up File Repository to use SFTP is to create a directory on the server to host the files. This new directory will be called **FRC** and will reside on the same server as your WildFly installation.

Location of New "FRC" Directory

Linux Server:

- The new directory will reside in the /opt/ directory.

Example: /opt/FRC/

Windows Server:

- The FRC directory needs to reside in a directory called **opt**. Since Windows does not typically come installed with an **opt** directory you will need to create one in the root directory.
- Once you have an opt directory you can create the new FRC directory within it.

Example: C:\opt\FRC\

> **Important**
>
> When creating the new directory you need to log onto the server with the same user that will be running WildFly.