



# iConnect Lab Web Portal v8

## Mirth Setup Hints

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The following hints are to be referred to when installing Mirth Channels and interconnectivity for Lab Web Portal (LWP).

# HL7 SFTP Endpoint Setup

https://localhost:8443 - Mirth Connect Administrator - (3.5.0.8232)

**Mirth Connect**

Dashboard

Channels

Users

Settings

Alerts

Events

Extensions

**Channel Tasks**

Validate Connector

New Destination

Delete Destination

Clone Destination

Disable Destination

Edit Filter

Edit Transformer

Edit Response

Import Connector

Export Connector

Export Channel

Deploy Channel

**Other**

Notifications (2)

View User API

View Client API

Help

About Mirth Connect

Visit mirthcorp.com

Report Issue

Logout

**Edit Channel - iConnect\_Result\_SFTP**

Summary | Source | **Destinations** | Scripts

Status	Destination
Enabled	Destination 1

Connector Type: **File Writer** ☐ Wait for previous destination

**Destination Settings**

Queue Messages: ☒ Never ☐ On Failure ☐ Always

Advanced Queue Settings:

Validate Response: ☐ Yes ☒ No

Reattach Attachments: ☒ Yes ☐ No

**File Writer Settings**

Method: **sftp**

Advanced Options: Password Authentication / Hostname Checking Ask

Directory:

sftp://  /

File Name:

Anonymous: ☐ Yes ☒ No

Username:

Password:

Timeout (ms):

Secure Mode: ☒ Yes ☐ No

Passive Mode: ☒ Yes ☐ No

Validate Connection: ☒ Yes ☐ No

File Exists: ☐ Append ☒ Overwrite ☐ Error

Create Temp File: ☒ Yes ☐ No

File Type: ☒ Binary ☐ Text

Encoding:

Template:

# HL7 Results File Location

https://localhost:8443 - Mirth Connect Administrator - (3.5.0.8232)

**Mirth Connect**

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**Channel Tasks**

- Validate Connector
- Edit Filter
- Edit Transformer (1)
- Import Connector
- Export Connector
- Export Channel
- Deploy Channel

**Other**

- Notifications (2)
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## Edit Channel - iConnect\_Result\_Receiver

Summary | **Source** | Destinations | Scripts

Connector Type: **File Reader**

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**Polling Settings**

Schedule Type: **Interval** Next poll at: Thursday, Nov 30, 10:48:55 AM

Poll Once on Start: ☐ Yes ☒ No

Interval: **5** seconds

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**Source Settings**

Source Queue: **OFF (Respond after processing)**

Queue Buffer Size: **1000**

Response: **None**

Process Batch: ☐ Yes ☒ No

Batch Response: ☐ First ☒ Last

Max Processing Threads: **1**

---

**File Reader Settings**

Method: **file** **Test Read**

Advanced Options: **<None>**

Directory: **C:/results\_hl7**

ftp:// /

Filename Filter Pattern: **\*.hl7** ☐ Regular Expression

Include All Subdirectories: ☐ Yes ☒ No

Ignore . files: ☒ Yes ☐ No

Anonymous: ☒ Yes ☐ No

Username: **anonymous**

Password: **\*\*\*\*\***

Timeout (ms): **10000**

Secure Mode: ☒ Yes ☐ No

Passive Mode: ☒ Yes ☐ No

Validate Connection: ☒ Yes ☐ No

After Processing Action: **Move**

Move-to Directory: **C:/results\_hl7/processed\_success**

Move-to File Name: **\${originalFilename}**

Error Reading Action: **Move**

Error in Response Action: **After Processing Action**

Error Move-to Directory: **C:/results\_hl7/processed\_failure**

Error Move-to File Name: **\${originalFilename}**

Check File Age: ☒ Yes ☐ No

File Age (ms): **1000**

File Size (bytes): **0** -  ☒ Ignore Maximum

Sort Files By: **Date**

File Type: ☐ Binary ☒ Text

Encoding: **Default**

channelName

channelId

DATE

COUNT

UUID

SYSTIME

originalFilename

## SFTP File Drop Variable Locations (2 total) (local box, not SFTP endpoint)

https://localhost:8443 - Mirth Connect Administrator - (3.5.0.8232)

**Mirth Views**

- Back to Channel

**Transformer Tasks**

- Add New Step
- Delete Step
- Assign To Iterator
- Import Transformer
- Export Transformer
- Validate Transformer
- Validate Step

**Other**

- Notifications (2)
- View User API
- View Client API
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**Edit Channel - iConnect\_Result\_Receiver - Source Transformer**

#	Name
0	New Step

**Step \ Generated Script**

```
1 // Iterate over the segments to identify the ED data type
2
3 var basePath = "C:\\inetpub\\sftpdrop";
4
5 var obx_ed;
6 for each (seg in msg.children()) {
7   if (seg.name().toString() == "OBX") {
8     var obx_data_type = seg['OBX.2']['OBX.2.1'].toString();
9     if (obx_data_type == "ED") {
10      var encodedContent = seg['OBX.5']['OBX.5.5'].toString();
11      // Decode the file content.
12      var decodedContent = FileUtil.decode(encodedContent);
13      var order_id = msg['OBR'][0]['OBR.2']['OBR.2.1'].toString();
14      var folderPath = msg['OBR'][0]['OBR.2']['OBR.2.2'].toString();
15      var reportedDateTime = msg['OBR'][0]['OBR.22']['OBR.22.1'].toString().substring(0,14);
16      var status = msg['OBX'][10]['OBX.11']['OBX.11.1'].toString();
17      var filename = reportedDateTime + " " + status + ".pdf";
18      var filePath = basePath + "\\\" + folderPath + " \" + order_id + " \" + filename;
19      logger.info("PDF has been generated into \" + filePath);
20      FileUtil.write(filePath, false, decodedContent);
21    }
22  }
23 }
```

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**Channel Tasks**

- Validate Connector
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## Edit Channel - iConnect\_Result\_SFTP

Summary **Source** Destinations Scripts

Connector Type: **File Reader**

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**Polling Settings**

Schedule Type: **Interval** Next poll at: Thursday, Nov 30, 10:54:45 AM

Poll Once on Start: ☒ Yes ☐ No

Interval: **5** **seconds**

---

**Source Settings**

Source Queue: **OFF (Respond after processing)**

Queue Buffer Size: **1000**

Response: **None**

Process Batch: ☐ Yes ☒ No

Batch Response: ☐ First ☒ Last

Max Processing Threads: **1**

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**File Reader Settings**

Method: **file** **Test Read**

Advanced Options: **<None>**

Directory: **C:/inetpub/sftpdrop**

ftp:// /

Filename Filter Pattern: **\*.pdf** ☐ Regular Expression

Include All Subdirectories: ☐ Yes ☒ No

Ignore . files: ☒ Yes ☐ No

Anonymous: ☒ Yes ☐ No

Username: **anonymous**

Password: **\*\*\*\*\***

Timeout (ms): **10000**

Secure Mode: ☒ Yes ☐ No

Passive Mode: ☒ Yes ☐ No

Validate Connection: ☒ Yes ☐ No

After Processing Action: **Delete**

Move-to Directory:

Move-to File Name:

Error Reading Action: **Move**

Error in Response Action: **After Processing Action**

Error Move-to Directory: **\${BASE\_PATH\_ERROR'}**

Error Move-to File Name: **\${originalFilename}**

Check File Age: ☒ Yes ☐ No

File Age (ms): **1000**

File Size (bytes): **0** -  ☒ Ignore Maximum

Sort Files By: **Date**

File Type: ☒ Binary ☐ Text

Encoding: **Default**

channelName

channelId

DATE

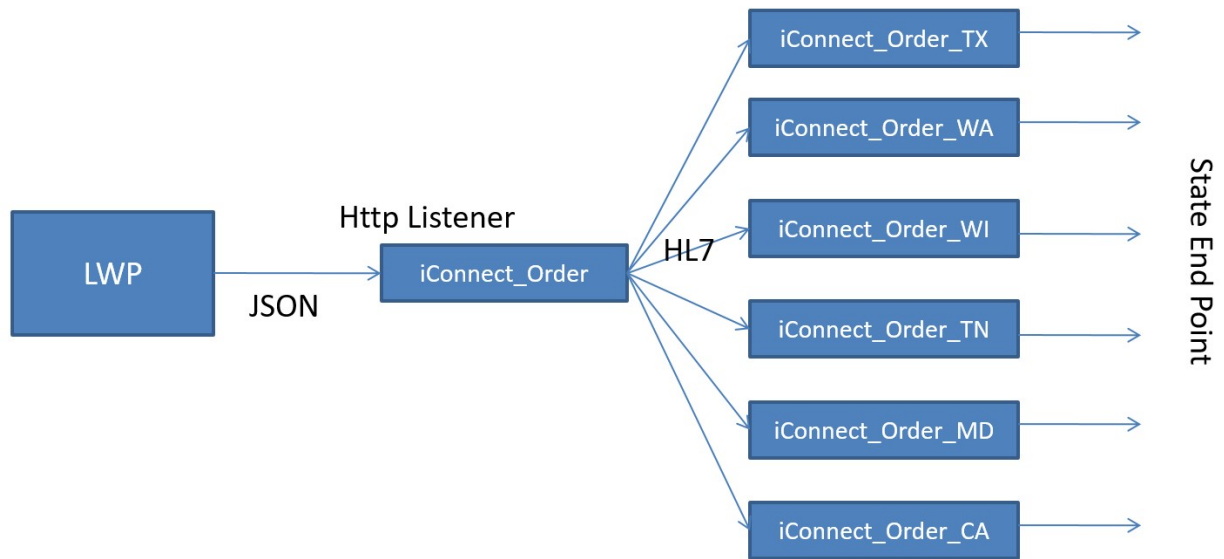
COUNT

UUID

SYSTEMTIME

originalFilename

## LWP LOI Channel Flow



## LWP LRI Channel Flow

