

IRIDA Uploader

Walkthrough and Tutorial

Overview

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Start Your Upload!

The screenshot shows the IRIDA Uploader application window. At the top, there is a title bar with a question mark and a close button. Below the title bar, there is a text input field for the 'Open Run Directory' path, which is highlighted by a blue box and an arrow from callout 2. To the left of this field is a button labeled 'Open Run Directory'. Below the text field is a 'Configure Settings' button. To the right of the 'Open Run Directory' field is a 'Refresh' button, with an arrow from callout 4 pointing to it. Below these buttons is a table with the following columns: 'Sample Name', 'File 1', 'File 2', 'Project', and 'Progress'. The table contains three rows of sample data. At the bottom of the window, there is a large blue 'Start Upload' button, with an arrow from callout 5 pointing to it, and a smaller 'Show Log' button to its right. Callout 1 points to the 'Configure Settings' button, and callout 3 points to the 'Sample Name' column of the table.

| | Sample Name | File 1 | File 2 | Project | Progress |
|---|-------------|---------------------------------|---------------------------------|---------|----------|
| 1 | 01-1111 | 01-1111_S1_L001_R1_001.fastq.gz | 01-1111_S1_L001_R2_001.fastq.gz | 6 | |
| 2 | 02-2222 | 02-2222_S1_L001_R1_001.fastq.gz | 02-2222_S1_L001_R2_001.fastq.gz | 6 | |
| 3 | 03-3333 | 03-3333_S1_L001_R1_001.fastq.gz | 03-3333_S1_L001_R2_001.fastq.gz | 6 | |

Configuration

Ask your IRIDA Admin for
Uploader Client Credentials

Your IRIDA Username and Password

Your IRIDA URL followed by /api/

Select the type of
Sequencer you are using

The screenshot shows the 'IRIDA Uploader' configuration window. It contains the following fields and controls:

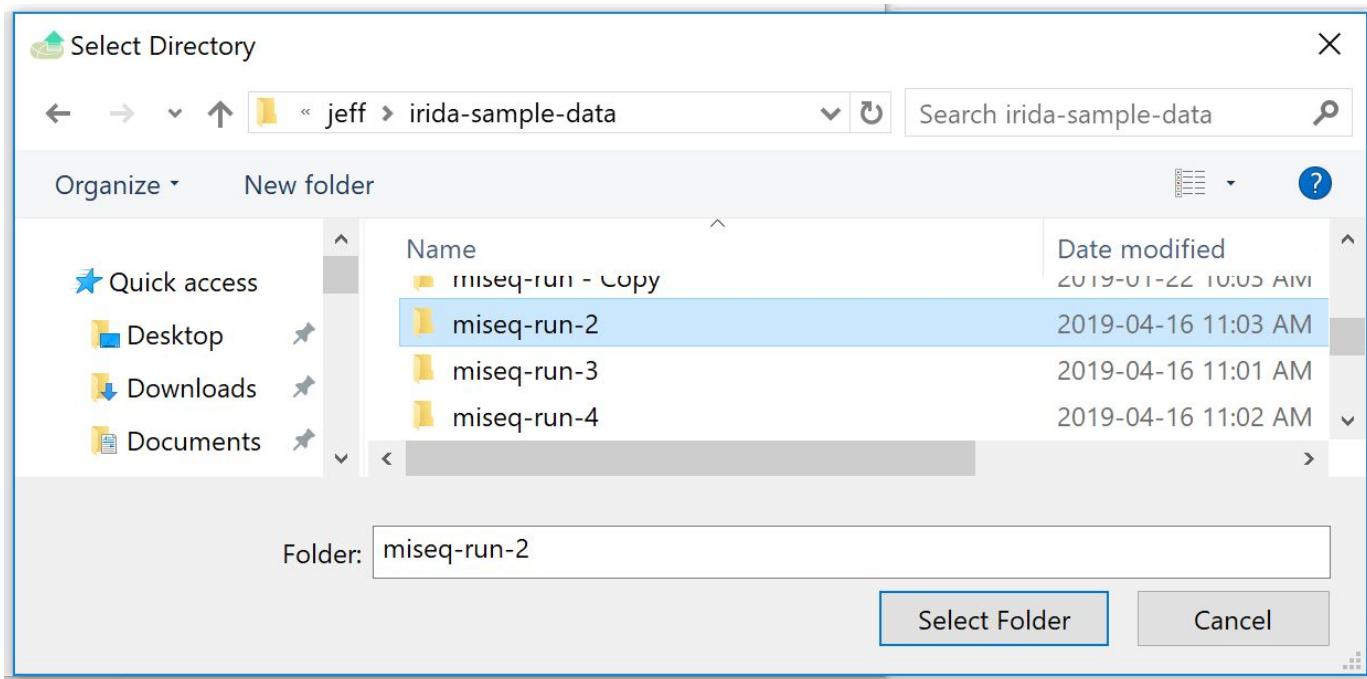
- Client ID:** uploader
- Client Secret:** Bw0598da12vW2zNYU87cMj93OBNoTJ2AqwUecAle3l
- Username:** admin
- Password:** (masked with dots)
- Base URL:** http://localhost:8080/api/
- Parser:** miseq (selected from a dropdown menu)
- Buttons:** 'Save and Test Settings' and 'Accept' (highlighted in blue), 'Connection OK' (highlighted in green), and 'Cancel'.

Annotations with arrows point from the text boxes on the left to the corresponding fields in the window:

- An arrow from 'Ask your IRIDA Admin for Uploader Client Credentials' points to the 'Client ID' and 'Client Secret' fields.
- An arrow from 'Your IRIDA Username and Password' points to the 'Username' and 'Password' fields.
- An arrow from 'Your IRIDA URL followed by /api/' points to the 'Base URL' field.
- An arrow from 'Select the type of Sequencer you are using' points to the 'Parser' dropdown menu.

Selecting a Run

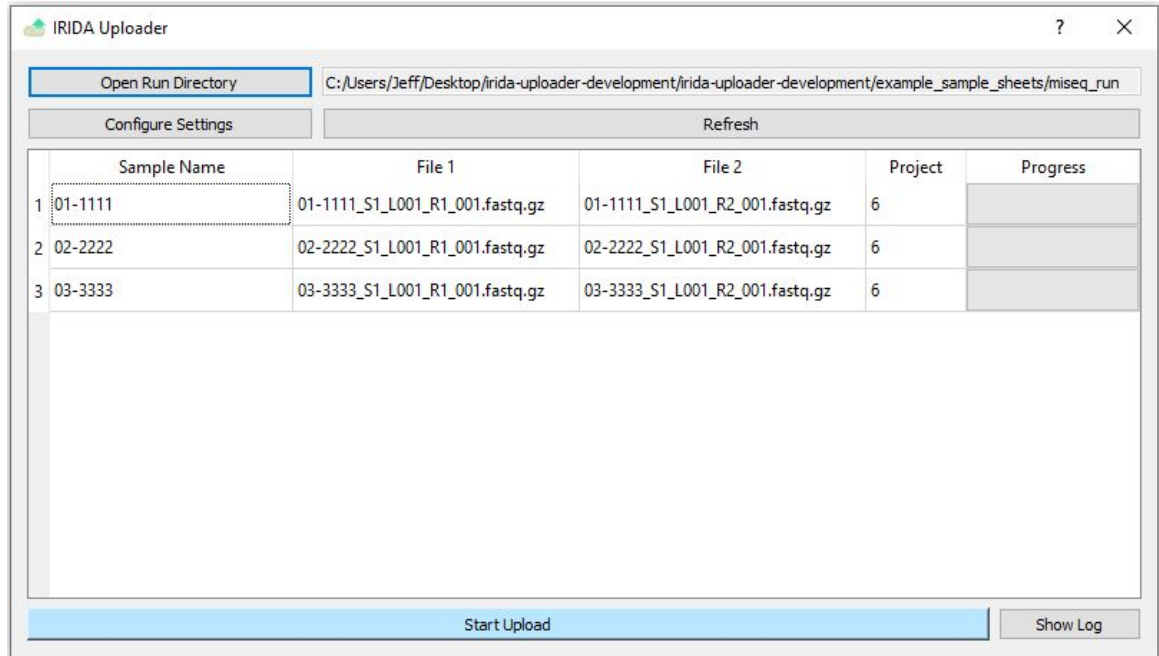
When picking your run directory, make sure to select the run folder.



Double check samples

Make sure the samples in the table are what you expect

If you need to make changes, edit your Sample Sheet file in the sample directory and then click the Refresh button



The screenshot shows the IRIDA Uploader application window. At the top, there is a title bar with the text "IRIDA Uploader" and standard window controls. Below the title bar, there is a section with two buttons: "Open Run Directory" and "Refresh". The "Open Run Directory" button is highlighted with a blue border. To the right of these buttons, the path "C:/Users/Jeff/Desktop/irida-uploader-development/irida-uploader-development/example_sample_sheets/miseq_run" is displayed. Below this, there is a "Configure Settings" button. The main area of the window contains a table with the following data:

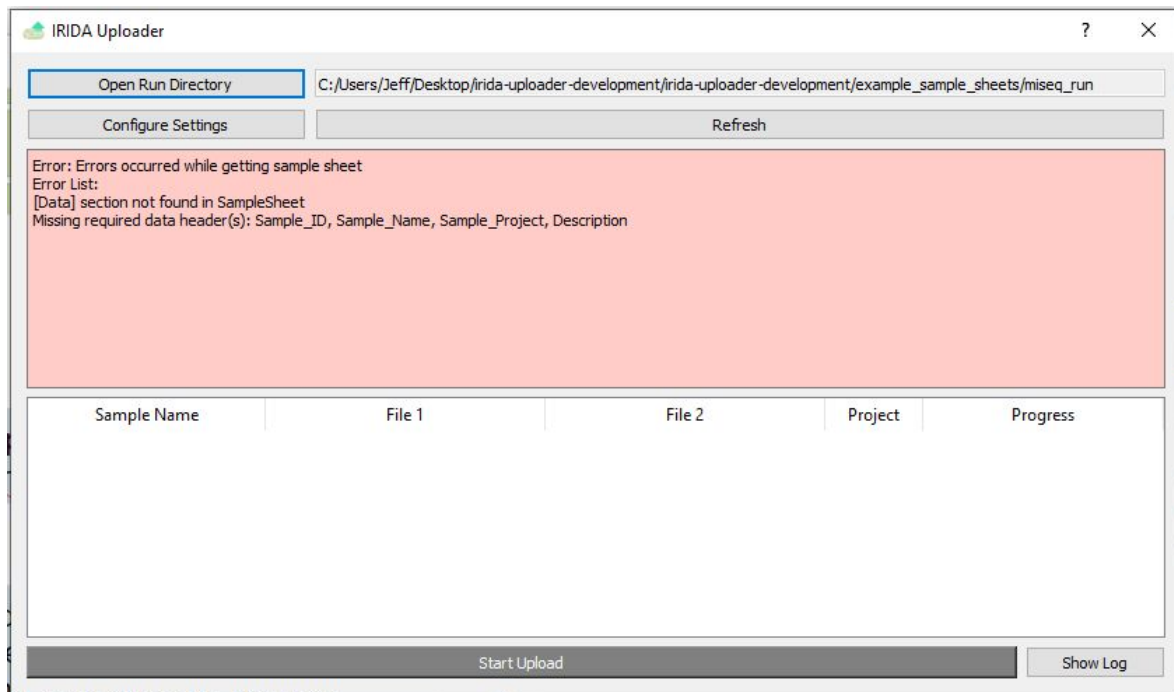
| | Sample Name | File 1 | File 2 | Project | Progress |
|---|-------------|---------------------------------|---------------------------------|---------|----------|
| 1 | 01-1111 | 01-1111_S1_L001_R1_001.fastq.gz | 01-1111_S1_L001_R2_001.fastq.gz | 6 | |
| 2 | 02-2222 | 02-2222_S1_L001_R1_001.fastq.gz | 02-2222_S1_L001_R2_001.fastq.gz | 6 | |
| 3 | 03-3333 | 03-3333_S1_L001_R1_001.fastq.gz | 03-3333_S1_L001_R2_001.fastq.gz | 6 | |

At the bottom of the window, there is a "Start Upload" button and a "Show Log" button.

Errors when Parsing

If a problem is found in the Sample Sheet file, it will be shown here

Edit your Sample Sheet file in the run directory to fix the error, and then click the Refresh button to recheck the run



The screenshot shows the IRIDA Uploader application window. At the top, there is a title bar with the application name and standard window controls. Below the title bar, there are three buttons: "Open Run Directory", "Configure Settings", and "Refresh". The "Open Run Directory" button is highlighted. To the right of these buttons, a text field displays the path: `C:/Users/Jeff/Desktop/irida-uploader-development/irida-uploader-development/example_sample_sheets/miseq_run`. Below the buttons and text field, there is a large red rectangular area containing an error message. The error message reads: "Error: Errors occurred while getting sample sheet", followed by "Error List:", "[Data] section not found in SampleSheet", and "Missing required data header(s): Sample_ID, Sample_Name, Sample_Project, Description". Below the error message, there is a table with five columns: "Sample Name", "File 1", "File 2", "Project", and "Progress". The table is currently empty. At the bottom of the window, there are two buttons: "Start Upload" and "Show Log".

IRIDA Uploader

Open Run Directory C:/Users/Jeff/Desktop/irida-uploader-development/irida-uploader-development/example_sample_sheets/miseq_run

Configure Settings Refresh

Error: Errors occurred while getting sample sheet
Error List:
[Data] section not found in SampleSheet
Missing required data header(s): Sample_ID, Sample_Name, Sample_Project, Description

| Sample Name | File 1 | File 2 | Project | Progress |
|-------------|--------|--------|---------|----------|
|-------------|--------|--------|---------|----------|

Start Upload Show Log

Start your Upload

When everything is ready.
Click the Start Upload button

You can click the Show Log
button to see more details
about your upload.

The screenshot shows the IRIDA Uploader application window. At the top, there is a title bar with the application name and standard window controls. Below the title bar, there is a section with two buttons: "Open Run Directory" and "Configure Settings". The "Open Run Directory" button is highlighted with a blue border. To the right of these buttons is a text field containing the path: C:/Users/Jeff/Desktop/irida-uploader-development/irida-uploader-development/example_sample_sheets/miseq_run. Below this section is a "Refresh" button. The main area of the window contains a table with the following data:

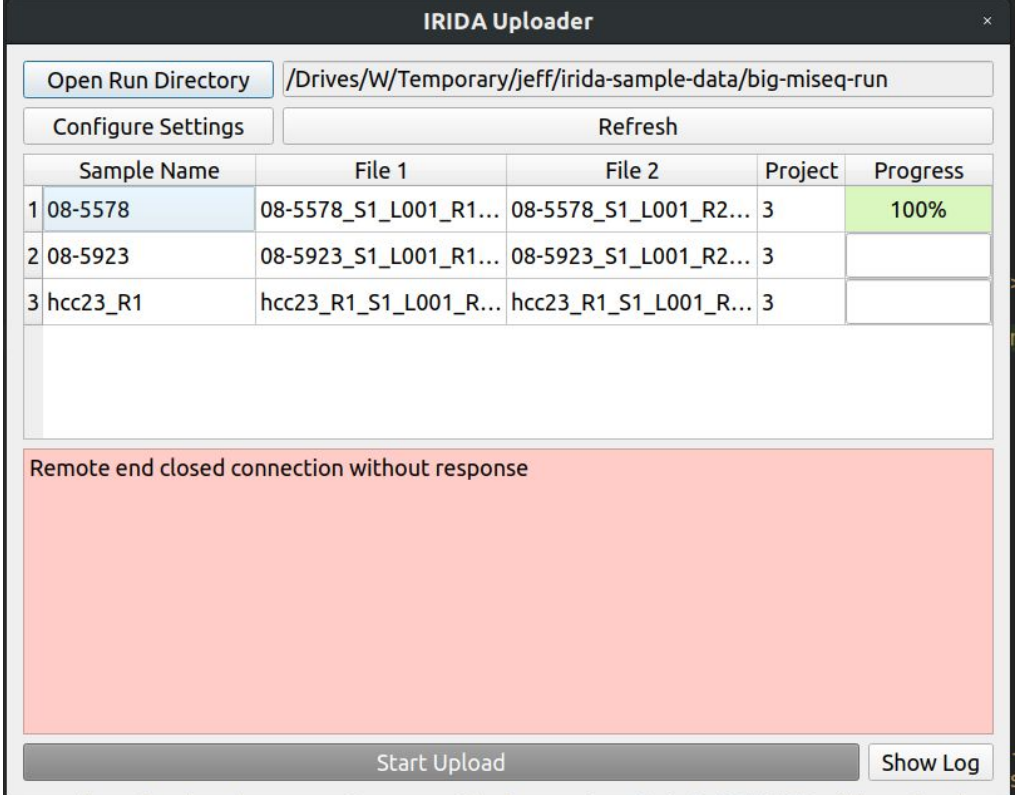
| | Sample Name | File 1 | File 2 | Project | Progress |
|---|-------------|---------------------------------|---------------------------------|---------|----------|
| 1 | 01-1111 | 01-1111_S1_L001_R1_001.fastq.gz | 01-1111_S1_L001_R2_001.fastq.gz | 6 | |
| 2 | 02-2222 | 02-2222_S1_L001_R1_001.fastq.gz | 02-2222_S1_L001_R2_001.fastq.gz | 6 | |
| 3 | 03-3333 | 03-3333_S1_L001_R1_001.fastq.gz | 03-3333_S1_L001_R2_001.fastq.gz | 6 | |

At the bottom of the window, there is a large blue button labeled "Start Upload" and a smaller button labeled "Show Log".

Errors when Uploading

If a problem occurs during upload, the errors will be displayed here

These errors typically only occur when there is a problem with your IRIDA instance. Please contact your IRIDA administrator for assistance



The screenshot shows the IRIDA Uploader window. At the top, there is a title bar 'IRIDA Uploader'. Below it, there are two buttons: 'Open Run Directory' and 'Configure Settings'. The 'Open Run Directory' button is active, showing the path '/Drives/W/Temporary/jeff/irida-sample-data/big-miseq-run'. To the right of the 'Configure Settings' button is a 'Refresh' button. Below these buttons is a table with the following columns: 'Sample Name', 'File 1', 'File 2', 'Project', and 'Progress'.

| Sample Name | File 1 | File 2 | Project | Progress |
|-------------|-----------------------|-----------------------|---------|----------|
| 1 08-5578 | 08-5578_S1_L001_R1... | 08-5578_S1_L001_R2... | 3 | 100% |
| 2 08-5923 | 08-5923_S1_L001_R1... | 08-5923_S1_L001_R2... | 3 | |
| 3 hcc23_R1 | hcc23_R1_S1_L001_R... | hcc23_R1_S1_L001_R... | 3 | |

Below the table, there is a large red rectangular area containing the text 'Remote end closed connection without response'. At the bottom of the window, there are two buttons: 'Start Upload' and 'Show Log'.



Information about your upload

Once the upload has started, a status file is created in your Sequencing Run directory.

This keeps track some key information

Date Time: Last time the file was updated

IRIDA Instance: Where the data was sent

Message: Any error message will be recorded here

Run ID: This number can be used by your IRIDA administrator to find your data

Upload Status: The state of your run

irida_uploader_status.info

```
{
  "Date Time": "2019-09-18 09:49",
  "IRIDA Instance": "http://my.irida.instance/api",
  "Message": null,
  "Run ID": "5",
  "Upload Status": "complete"
}
```

| Upload Status | Meaning |
|----------------------|--|
| Complete | Run was successfully uploaded |
| Error | An error occurred during upload, see Message field |
| Partial | Incomplete upload, some files may have uploaded |