



# **RIO WATCHFOLDER QUICK START GUIDE**

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# ABOUT THIS GUIDE

This guide describes how to configure and use the Spectra® Rio WatchFolder application.

## INTENDED AUDIENCE

This guide is intended for RioBroker Administrator users.

## PRODUCT STATUS

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## RELATED INFORMATION

This section contains information about this document and other documents related to the Rio WatchFolder application.

### User Interface Screens

The interface changes as new features are added or other modifications are made between software revisions. Therefore, the screens on your library may differ from those shown in this document.

### Additional Publications

For additional information about the Spectra WatchFolder and Spectra RioBroker applications, refer to the publications listed in this section.

### Spectra Rio WatchFolder

This guide and the following documents related to the Rio WatchFolder application are available as PDF files on the Spectra Logic website at [support.spectralogic.com/documentation](http://support.spectralogic.com/documentation).

- The [Spectra RioBroker Application User Guide](#) provides information about installing, configuring, and using the Spectra RioBroker application.
- The [Spectra Rio WatchFolder Release Notes](#) provides detailed information about updates to the Rio WatchFolder application.

### Typographical Conventions

This document uses the following conventions to highlight important information:

**CAUTION**

Read text marked by the “Caution” icon for information you must know to avoid damaging the library, the tape drives, or losing data.

---

**IMPORTANT**

Read text marked by the “Important” icon for information that helps you complete a procedure or avoid extra steps.

---

**Note:** Read text marked with “Note” for additional information or suggestions about the current topic.

# CHAPTER 1 - INSTALLING THE APPLICATION

This section provides an overview of how to install the Rio WatchFolder application and access the Rio WatchFolder application user interface.

## Installing on Windows

This section provides instructions on how to install the Rio WatchFolder application.

1. Run the installer SpectraRioWatchFolderSetup-1.1.0.x-release.exe

**Note:** The Rio WatchFolders user must have full permissions to all configured folders.

## Accessing the Rio WatchFolder GUI

1. Open a web browser.
2. Navigate to <https://localhost:5052/app/>

# CHAPTER 2 - CONFIGURING RIO WATCHFOLDER

You can use the Rio WatchFolder application to establish connections to RioBroker endpoints and configure watch folders for those connections.



## IMPORTANT

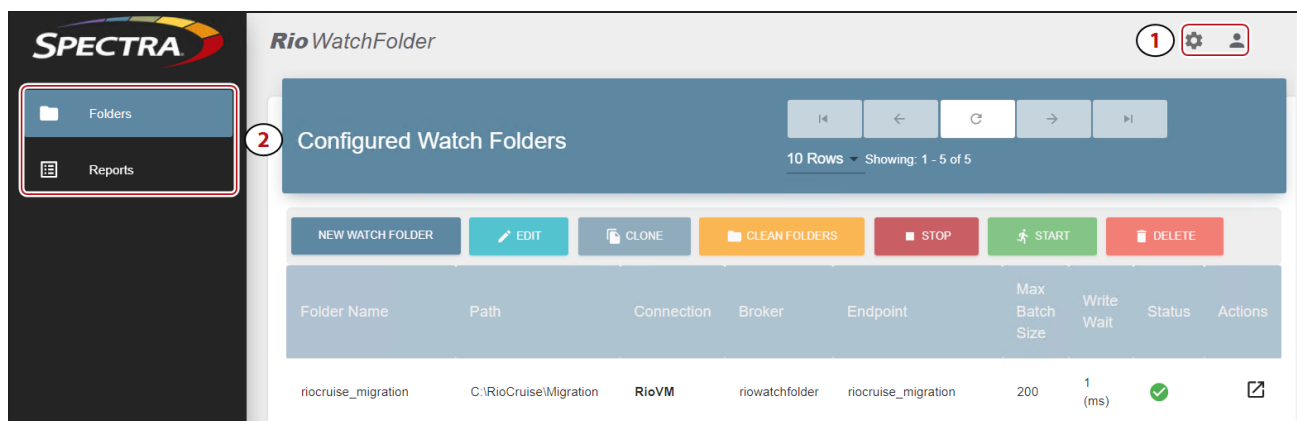
The Rio WatchFolder application requires the server to have the RioBroker application installed with a Device, Broker, and Endpoint configured before a watch folder can be configured.

This chapter covers the Rio WatchFolder user interface, how to configure a connection to a RioBroker Endpoint, and how to configure a watch folder.

- **Rio WatchFolder User Interface Overview below**
- **Configuring Connections on the next page**
- **Creating A New Connection on page 18**
- **Configuring WatchFolders on page 19**
- **Creating A New Watch Folder on page 20**

To begin, log in to the user interface on a browser.

## Rio WatchFolder User Interface Overview

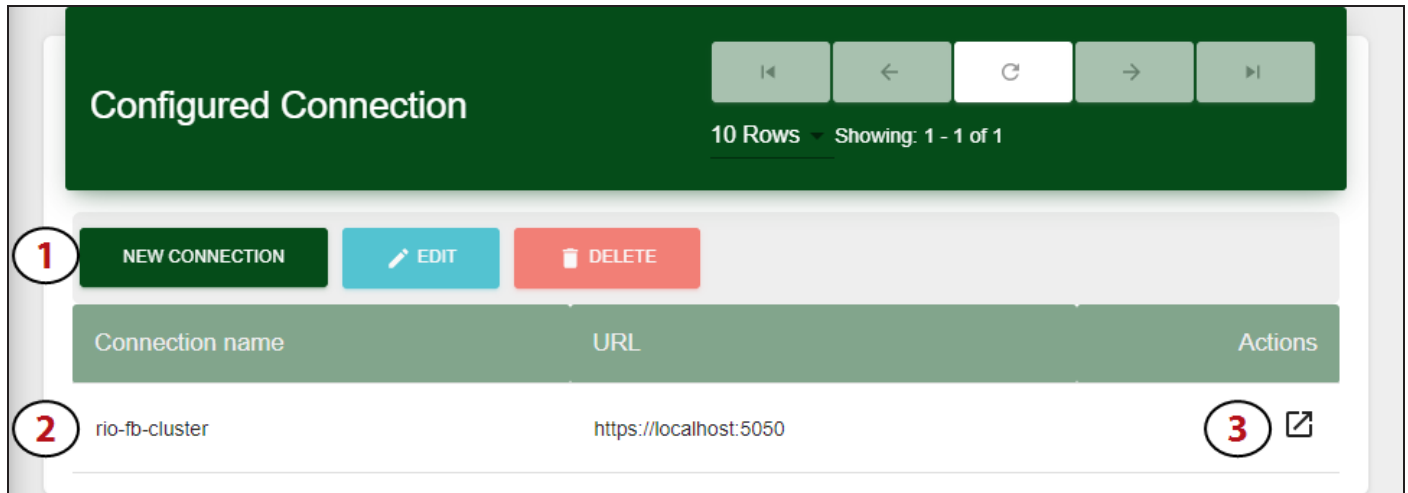


**Figure 1** The Rio WatchFolder Home Page.

1. Use the **Gear** icon to access the **Configuration**, **Connection**, and **Logs** pages. The **User** icon logs the user out of the interface.
2. Use the **Dashboard** to select between the **Folders** and **Reports** page.

## Configuring Connections

This section covers the **Connections** screen of the user interface. To navigate to the **Connections** screen, click the **Gear** icon and select **Connections**.



**Figure 2** The Connections screen.

The **Connections** screen allows the user to create new connections, edit or delete existing connections, monitor the list of existing connections, and view individual connection details. Connections are between the RioBroker application and the Rio WatchFolder application. Use the figure above to locate the screen's features.

1. Press **New Connection**, **Edit**, or **Delete** as desired to either start the process to create a new connection or change a selected previous connection.
2. Previously configured connections display in this list which displays the connection name and URL.
3. Click the **Connection Detail** button to view a pop-up screen containing name, user, URI, and callback information for the selected connection.

## Creating A New Connection

This section covers all the steps to create a new connection. From the **Connections** screen, click **New Connection** to begin. Follow the steps below using the following figure to create a new connection.

The screenshot shows a 'New Connection' dialog box with a close button (X) in the top right corner. The dialog contains several input fields, each with a red number in a circle to its right indicating the step number:

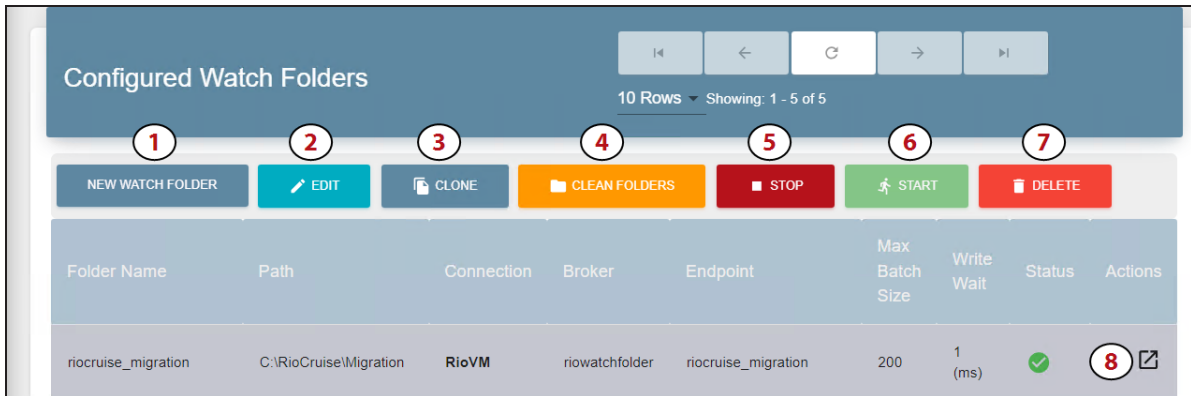
- Step 1:** 'Connection name' field with a sub-label 'Friendly name'.
- Step 2:** 'RioBroker User Name' field.
- Step 3:** 'Password' field.
- Step 4:** 'RioBroker Host Endpoint' field with a sub-label 'RioBroker URL e.g., https://localhost:5050'.
- Step 5:** 'Callback' field with a sub-label 'Address for status callbacks e.g., http://localhost'.
- Step 6:** A 'SUBMIT' button.

**Figure 3** The New Connection screen.

1. Enter a **New Connection Name**.
2. Enter the **RioBroker User Name** of the previously configured RioBroker user you want to use for the new connection.
3. Enter the **Password** of the selected RioBroker user.
4. Enter the URL of the previously configured and currently running RioBroker instance into the **RioBroker Host Endpoint** field.
5. Enter the URL for RioBroker status callbacks to the Rio WatchFolder instance into the **Callback** field. In most cases, the callback URL is `http://HOSTNAME`, where `HOSTNAME` is the name of the host running Rio WatchFolders application.
6. Click **Submit** when finished.

## Configuring WatchFolders

This section covers the **WatchFolders** screen of the user interface. To navigate to the **WatchFolders** screen, click the **Folders** icon in the dashboard.



**Figure 4** The WatchFolder screen.

1. Click **New Watch Folder** to create a new watch folder.
2. Click **Edit** with a previously configured watch folder selected to edit the selected folder's settings through the creation wizard.
3. Click **Clone** with a previously configured watch folder selected to clone the selected folder.
4. Click **Clean Folders** with a previously configured watch folder selected to clean the watch folder by removing any filtered files and empty folders.
5. Click **Stop** to pause an active watch folder.
6. Click **Start** to initialize a stopped watch folder.
7. Click **Delete** to delete the selected watch folder.
8. Click the icons under **Actions** to open the detail view of the selected watch folder or to view any errors.

## Creating A New Watch Folder

This section covers the steps to create a new watch folder. To begin, navigate to the **WatchFolder** screen and click **New Watch Folder**.

The screenshot shows the 'New Watch Folder' dialog box with the 'Connection' tab selected. The dialog has a title bar with a close button (X) and a progress bar with five steps: 1 Connection, 2 Metadata, 3 Filters, 4 Details, and 5 Advanced. The fields are as follows:

- Folder name:** QuickStartExample (Step 1)
- Friendly name for display and reports:** (empty)
- Folder URI:** C:\Example (Step 2)
- Local (/mnt/watch, C:\watch), or UNC path (\\10.0.1.2\share\watch):** (empty)
- Create from Template:** [None] (Step 3)
- Connection:** RioVM (Step 4)
- Broker:** riowatchfolder (Step 5)
- Rio Endpoint Name:** riocruise\_migration (Step 6)
- Next:** (Step 7)

**Figure 5** The New Watch Folder - Connection screen.

1. Enter a **Folder Name** for the new folder.
2. Enter the **Folder URI** for the new folder.

3. Using the drop-down menu, select an existing **Template** if desired. The drop-down menu only displays if there is an existing template. To create a template, see [Create A WatchFolder Template](#) on page 26.
4. Using the drop-down menu, select a **Connection**.
5. Using the drop-down menu, select a **Broker**.
6. Using the drop-down menu, select a **Rio Endpoint Name**.
7. Click **Next** to continue to the **Metadata** screen.

New Watch Folder

✓ Connection — 2 Metadata — 3 Filters — 4 Details — 5 Advanced

[Add metadata to every object dropped in folder](#)

Metadata

Key	Value
-----	-------

1 + 2

3

PREVIOUS NEXT

**Figure 6** The New Watch Folder - Metadata screen.

1. Click the + to create a new metadata tag.
2. Enter the **Key** and **Value** for the metadata tag.
3. When finished creating metadata tags, click **Next** to continue to the **Filters** screen.

New Watch Folder

✓ Connection — ✓ Metadata — 3 Filters — 4 Details — 5 Advanced

*Files matching these patterns will not be archived -- and will be DELETED during empty folder cleanup.*

*Patterns can be exact match for the file name (not path) or can use \* as a wildcard (.DS\_Store or \*.dat).*

Filters

Pattern

1 + 2

PREVIOUS 3 NEXT

**Figure 7** The New Watch Folder - Filters screen.

1. Click the + to create a new filter.
2. Enter the **Filter** parameters.



**CAUTION**

Filtered files are not processed by RioBroker and are deleted during folder cleanup.

3. Click **Next** to continue to the **Details** screen.

**New Watch Folder** [X]

☒ Connection — 
 ☒ Metadata — 
 ☒ Filters — 
 **4** Details — 
 5 Advanced

Max Batch Time ?

Immediate **1**

Max Batch Size

10000 **2**

Maximum number of files to send per job

Retry Transient Failures **3**

Retries	Minutes between Retries
5	1
Number of times to retry job	Number of minutes between retries

Empty Folder Cleanup **4**

Time of Day	Folder Idle Time <span>?</span>
23:00	One Hour

Job Name

RioWF-job-QuickStart **5**

Name of jobs created in RioBroker

☐ Index Media **6**

**7**

PREVIOUS NEXT

**Figure 8** The New Watch Folder - Details screen.

1. Using the drop-down menu, select a **Max Batch Time**. Immediate archives files as they are placed in the watch folder. Watch folders archives files when either the maximum batch time or maximum batch size is reached.
2. Enter a value for the **Max Batch Size**. Watch folders archives files when either the maximum batch time or maximum batch size is reached.
3. Enter number values for **Retries** and **Minutes between Retries**.
4. Using the drop-down menus, select values for **Time of Day** and **Folder Idle Time** to determine the time of day the watch folder deletes files not matching defined filters.
5. Enter a **Job Name** to set the name of the RioBroker archive jobs created by the watch folder.

6. Select **Index Media** if desired.

**Note:** Index Media slows file archiving.

7. Click **Next** to continue on to the **Advanced** screen.

New Watch Folder

✓ Connection — ✓ Metadata — ✓ Filters — ✓ Details — 5 Advanced

*Advanced tuning parameters for specific workflows. Defaults are recommended.*

Readme File  
WATCH\_FOLDER\_README.txt 1  
Name of file in watch folder explaining behavior (blank for none)

Error File  
WATCH\_FOLDER\_ERRORS.csv 2  
File in watch folder to communicate transfer errors (blank for none)

Metadata File Extension  
.meta 3  
e.g., file1.txt.meta will contain metadata for file1.txt

RioBroker Timeout  
60000 4  
Max time to wait (in ms) for RioBroker to respond

Status Poll Minutes  
60 5  
Poll Job Status (for missed callback)

☒ Test Location on Submit (Recommended) 6

7

PREVIOUS SUBMIT

**Figure 9** The New Watch Folder - Advanced screen.

1. Enter a name for the **Readme File**.
2. Enter a name for the **Error File**.
3. Enter a value for **Metadata File Extension** if desired.
4. Enter values for **RioBroker Timeout** if desired.
5. Enter a value for **Status Poll Minutes** if desired.

6. Deselect **Test Location** if the RioBroker application or the storage devices are not available when configuring the watch folder.
7. Click **Submit**.

## Cloning A WatchFolder

This section covers the **Clone** feature of **WatchFolder** screen. Select a watch folder to clone, then click **Clone** (see [Figure 4 on page 19](#)).

Clone riocruise\_migration

1 Connection — 2 Metadata — 3 Filters — 4 Details — 5 Advanced

Folder name  
QuickStartExample

Friendly name for display and reports

Folder URI  
\\10.85.41.38\\VerdeSAS1\\rio\\riowatch\\sports

Local (/mnt/watch, C:\watch), or UNC path (\\10.0.1.2\share\watch)

Connection  
RioVM

Broker  
riowatchfolder

Rio Endpoint Name  
y\_riowatchfolder\_news

6  
NEXT

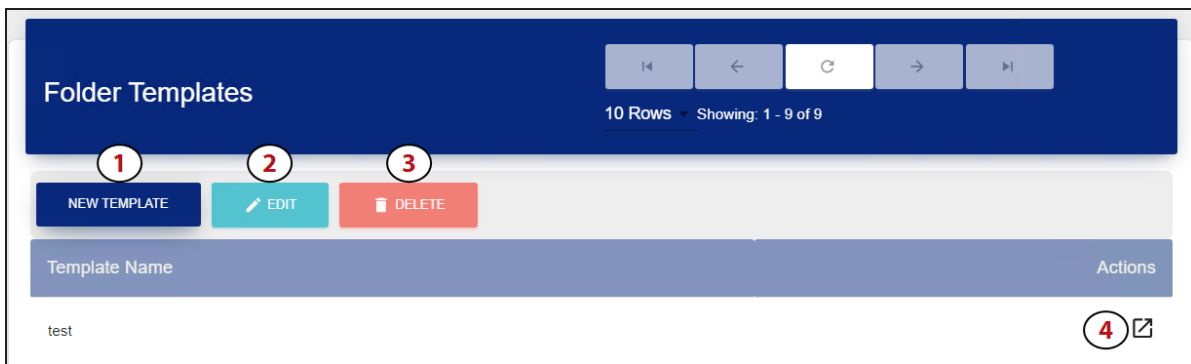
**Figure 10** The Clone Watch Folder - Connection screen.

1. Enter a new name for the **Folder name**.
2. Enter a **Folder URI**. Clones must have a unique URI.

3. Using the drop-down menu, select a **Connection**.
4. Using the drop-down menu, select a **Broker**.
5. Using the drop-down menu, select a **Rio Endpoint Name**. Clones must have a unique Rio Endpoint Name.
6. Click **Next** to continue to the **Metadata** screen. For instructions for the Metadata and subsequent screens, use the steps above starting with [The New Watch Folder - Metadata screen. on page 21](#)

## WatchFolder Templates

This section covers the **Folder Templates** screen. To navigate to the screen, click the **Gear** icon and select **Templates**.



**Figure 11** The Folder Templates screen.

1. Click **New Template** to create a new template.
2. Click **Edit** when selecting an existing template to edit the template.
3. Click **Delete** when selecting an existing template to delete the template.
4. Click the **Details** button to view the template configuration details.

## Create A WatchFolder Template

This section covers how to create a new watch folder template. To begin, click **New Template**.

New Template

1 Template — 2 Metadata — 3 Filters — 4 Details — 5 Advanced

Template Name

QuickStartExample

Friendly name for display and reports

Copy values from

3 NEXT

**Figure 12** The New Template screen.

1. Enter a **Template Name**.
2. Use the **Copy values from** drop-down menu to select an existing template or watch folder.
3. Click **Next** to continue to the **Metadata** screen. For instructions for the Metadata and subsequent screens, use the steps above starting with [The New Watch Folder - Metadata screen](#), on page 21

After configuring, the template is available in the New Watch Folder wizard in a drop-down menu. Users may select the template to apply the parameters included in the template.