

Spectra Logic RioBroker Certification Test Plan

Introduction

The document describes the certification tests for a Spectra Logic RioBroker integration. In order to receive certification from Spectra Logic, this completed document must be submitted to your Spectra Logic Certification and Testing Manager for review. Before submitting this document, you must have submitted and received acceptance from Spectra Logic for the Spectra Logic RioBroker Certification Program Questionnaire. For additional information, see the Spectra Logic Developer Program website at <https://developer.spectralogic.com>.

Testing must be done with a real RioBroker installation using the BlackPearl simulator or a real BlackPearl.

All tests are required to be performed unless stated otherwise.

The remainder of this document assumes that the user is familiar with details of the RioBroker API, the BlackPearl product, and information contained on the Spectra Logic Developer Program website.

Test Setup, Installation of the Host Client Software, Connection to RioBroker and BlackPearl and Configuration

Once you are ready to begin testing, your Spectra Logic Certification and Testing Manager will work with you to determine the appropriate test setup, test equipment requirements, test time, installation of host software and client, and other testing program details. Review the installation of your product, RioBroker, and BlackPearl connection and configuration to verify that everything is working properly prior to commencing the testing.

Testing can be done at your site or the Spectra Logic Testing and Certification Lab in Boulder, Colorado.

Logging, Result Capture, and Live Demo Requirements for Certification

- **Log files:** Please pull a log set from RioBroker when directed in the test plan steps below. These log files are used to assist with confirming proper Interface behavior and debugging any failures that may occur. RioBroker logs can be found in C:\ProgramData\SpectraLogic\SpectraRioBroker\logs.
- **Screen Captures:** Screen captures will be required for the tests to enable Spectra Logic to verify test results and certify your product. Please ensure that the person performing the test understands how to capture screen images and paste them into this document.
- **Live Demo:** Once this test plan, along with test results, have been submitted and accepted by Spectra Logic, Spectra Logic will contact you to schedule a live demonstration of archive and restore operations by your RioBroker integration. This live demonstration can be done at Spectra Logic headquarters or remotely via WebEx or similar screen sharing technology. **You will not receive certification until Spectra Logic concludes that you have passed all tests and that this live demonstration is successful.**

You must complete the following information in order to receive certification.

Organization/Tester Information
Organization Name: Dalet Digital Media Systems
Tester Name: Oliver Lockwood, Lincoln Spiteri
Tester Contact Information (email and phone): +44(0)7901 510 606 Oliver: olockwood@dalet.com Lincoln: lspiteri@dalet.com

Product and Configuration Information
Your Application's Name: Dalet Flex
Application Software Version: Flex 2021.3.0
Application's RioBroker Client Software Version (if different than above):
Spectra Logic RioBroker Version: 2.0.0
RioBroker .NET SDK Version (if used):
BlackPearl Version: 5.2.1

[Testing the RioBroker Integration](#)

To get started with testing, set up the RioBroker system as needed: Install RioBroker, set up a cluster, initialize a Spectra device, create a broker with default agent of the Spectra device, and make sure at least one primary storage target is installed with valid credentials on the RioBroker server.

Tests in this document have been performed using BlackPearl Labs system.

Test #1: Test for error reporting and handling of invalid/missing bucket.

Goal: To ensure application properly reports and handles unexpected error conditions on archive, displaying the RioBroker error description.

- Attempt to archive files using RioBroker after BlackPearl bucket has been deleted.
 - a) Using your application and RioBroker, create Spectra device, then create associated broker and agent.
 - b) Attempt to archive some files, confirm successful transfer.
 - c) Delete BlackPearl bucket. In the BlackPearl web management interface, go to Configuration -> Buckets. Single click on the bucket being used by RioBroker, then go to Action -> Delete.
 - d) Restart the “Spectra Rio Broker Server” service.
 - e) Attempt to archive files again. Capture a screen image that clearly shows your application’s error (this should include the RioBroker error message). Paste the screenshot below:

Attempt to archive files using RioBroker after BlackPearl bucket has been deleted

The screenshot displays the Oryza homepage with a navigation bar at the top containing links for Desktop, Assets, Players, Tasks, Jobs, Workflows, and Resources. On the right, there are links for Asset Basket, dakshesh Workspaces, and a search bar. The main content area is titled "Job: RioBroker Archive" and shows a list of job events. A red banner at the top of the job list indicates a failure. The error message states: "The job RioBroker Archive failed." followed by "Error with job: BrokerNotFoundException: Broker rio_test_broker3 not found". A modal window is open over the error message, displaying details: Type: Job, Event Type: Error Message Logged, Object: RioBroker Archive, User: Dakshesh Dalwadi, and the message: "No Broker can be found with name rio_test_broker3". The job list on the right shows several failed jobs with the same error message. The bottom of the page includes a footer with the text "javascriptvoid(0); villa | 2021.3.9-candidate-8390-5aab525f7".

After the test is complete recreate the bucket that was deleted in this test.

Test #2: Test for error reporting and handling of a restore when the file does not exist.

Goal: To ensure that the client properly reports and handles unexpected error conditions on restore, displaying the RioBroker error description.

- Attempt to restore a file from RioBroker that does not exist
 - a) Archive one or more files to RioBroker using your application.
 - b) Delete one of these files using a BlackPearl client such as the Eon Browser (<https://developer.spectrallogic.com/clients>) or delete the file via RioBroker using an HTTP/REST command.
 - c) Attempt to restore the deleted file through your application.
 - d) Capture a screen image that shows your application's error (this should include the RioBroker error message). Paste the screenshot below:

Attempt to restore a file from RioBroker that does not exist

The screenshot displays the Croyala homepage interface. At the top, there's a navigation bar with 'Croyala homepage' on the left and user information 'Asset Basket (0) | Dakshesh Dalwadi | Dated | Logout' on the right. Below this is a secondary navigation bar with 'daxshesh Workspaces' and a search bar. The main content area is titled 'Job: RioBroker Restore' and includes tabs for 'Summary', 'Config', 'Locks', 'Variables', and 'History'. The 'Summary' tab is active, showing a list of system messages. A red banner at the top of the messages indicates 'The job RioBroker Restore failed.' Below this, a detailed error message is shown: 'Error with job: RioBrokerException: RioBroker API returned an error: RioErrorResponse(message=Validation Failed, statusCode=422, errors=[{RioError(fieldName='small.mp4', fieldType=file, errorType=not_found, reason=null)])'. A modal dialog box is open over the error message, displaying 'Type: Job', 'Event Type: Error Message Logged', 'Object: RioBroker Restore', 'Severity: Error', and 'Time: 10-May-2021 14:19:21'. The dialog also shows the message: 'Object with identifier 'small.mp4' could not be found on archive'. The bottom of the page shows a footer with 'javascript:void(0); | jobs | 2021.4.0-candidate-9506-a30ac3845' and a status bar with '100'.

Test #3: Test archive of 100 files.

Goal: To ensure that your application can perform an archive of multiple files at once. This test verifies that the archive process keeps RioBroker data movers working efficiently and reasonable throughputs can be achieved.

- Archive 100 files to RioBroker
 - a) If testing in the Spectra lab, ingest 100 files from \\10.85.41.34\TestFiles\250x1GB (or another location provided to you by Spectra Logic). If your application does not need to ingest files, they can be archived directly from the above location.
 - b) Issue a command to archive the 100 files to RioBroker simultaneously
 - **Note:**
 - The 100 files should be either in a single command (100 files in one archive command) or multiple separate commands (one or more files per archive command).
 - If the 100 files are sent to RioBroker in separate commands, some level of concurrency must be demonstrated. Please describe how many jobs can be run in parallel and, if changeable, show where the concurrency setting is configured within your application.
 - c) Wait until the file transfers have completed before continuing.
 - d) Capture a screen image that shows your application indicating that the transfer of the 100 files has completed. Paste the screenshot below:

Archive 100 files to RioBroker

Workflow UI

For this Test#3 and #4 a single WF has been created to loop over the 100 files.

The screenshot displays the Ooyala Flex Workflow UI. The main area shows a workflow definition titled "Workflow Definition: RioBroker Archive-Restore-Delete". The workflow is a linear sequence of steps: "Start 1", "to Import 1", "Import 1 Import Asset", "to Archive 1", "Archive 1 RioBroker Archive", "to Restore 1", "Restore 1 RioBroker Restore", "to Delete archive 1", "Delete archive 1 RioBroker Delete", "to End 1", and "End 1". The workflow is currently in a "Summary" view, with tabs for "Graph", "Attachments", "Comments", "Followers", "History", and "References". The version is "1 (11-May-2021 16:05:26)". On the right side, there is a sidebar with various settings and options, including "Theme", "Variants", "Object Types", "Workflow Definitions", "Metadata Definitions", "Profiles", "Actions", "Timed Actions", "Resources", "Player Definitions", "Task Definitions", "Wizards", "Event Handlers", "Report Definitions", "Message Templates", "Shortcuts", "Following", and "Saved Searches".

Flex Asset Job List

OOYALA FLEX

Asset Basket (0) | Admin BP | Dabot | Logout

BlackPearl Test

Search...

Advanced

DesktopAssetsPlayersTasksJobsWorkflowsResources

SettingsAccessAdmin

Media Asset: Asset-1-769

New...ArchivePublishDownloadSet Meta DefLaunch

ApproveAdd to BasketAdd ShortcutFollowComment

SummaryFileMetadataReviewsKeyframesAttachmentsWorkflowsJobsPublishingPlayersFollowersHistoryReferences

Results per page 10

1-4 of 4 resultsPage 1 of 1

ID	Type	Name	Scheduled	Created	Start	End	Duration	Created by	Status	Deleted
84540	🔥	RioBroker Delete	12-May-2021 09:09:32	12-May-2021 09:09:32	12-May-2021 09:09:33	12-May-2021 09:09:36	3 sec.	Admin BP	Completed	»
84539	🔥	RioBroker Restore	12-May-2021 09:08:24	12-May-2021 09:08:24	12-May-2021 09:08:26	12-May-2021 09:09:32	1.1 min.	Admin BP	Completed	»
84538	📁	RioBroker Archive	12-May-2021 09:07:11	12-May-2021 09:07:11	12-May-2021 09:07:16	12-May-2021 09:08:24	1.13 min.	Admin BP	Completed	»
84537	📁	Import Asset	12-May-2021 09:06:58	12-May-2021 09:06:58	12-May-2021 09:07:00	12-May-2021 09:07:10	10 sec.	Admin BP	Completed	»

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Flex Archive Job History

OOYALA FLEX

Asset Basket (0) | Admin BP | Dabot | Logout

BlackPearl Test

Search...

Advanced

DesktopAssetsPlayersTasksJobsWorkflowsResources

SettingsAccessAdmin

Job: RioBroker Archive

Workflow ViewAsset View

Delete

New...Search Jobs...AdvancedFailed Jobs

SummaryConfigLocksVariablesHistory

System

The system completed the job RioBroker Archive

12-May-2021 14:38:24

Admin BP

RioBroker archive job launched with ID: b6b6c316-5261-483b-8cc7-3f4217d65249

12-May-2021 14:37:20

Admin BP

RioBroker will read the asset from location: endpoint://flex-dev-demo/SampleFile/BigFile_25ps.mov and archive it to BlackPearl with identifier: Asset-1-769.mov

12-May-2021 14:37:18

Admin BP

Archiving Flex asset 84437, whose current location is: s3://flex-dev-demo/SampleFile/BigFile_25ps.mov

12-May-2021 14:37:18

System

The system started running the job RioBroker Archive

12-May-2021 14:37:18

System

The system created the job RioBroker Archive

12-May-2021 14:37:11

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Flex Delete Job History

Asset Basket (0) | Admin BP | Data | Logout

BlackPearl Test

Search...
Advanced

Desktop | Assets | Players | Tasks | Jobs | Workflows | Resources

Settings | Access | Admin

Search Workflows

Search For

General Options (defaults modified)
Workflow Options (defaults modified)

Save Search

Clear Search

Bulk actions OFF Results per page 10

ID	Name	Title	Version	Last Modified	Start	End	Duration	Created by	Status	Account	Position	Workspace
85682	RioBroker Archive-Restore-Delete	Asset-10-8877891c-10b-4fae-b3a4-4abc30cde264	1	18-May-2021 09:53:47	18-May-2021 09:46:44	18-May-2021 09:53:47	7.05 min.	Admin BP	Completed	BlackPearl Test	End 1	BlackPearl Test
85681	RioBroker Archive-Restore-Delete	Asset-7-0c318806-b1d9-46a0-a095-a16cc925f13	1	18-May-2021 09:54:17	18-May-2021 09:46:44	18-May-2021 09:54:17	7.55 min.	Admin BP	Completed	BlackPearl Test	End 1	BlackPearl Test
85680	RioBroker Archive-Restore-Delete	Asset-2-692c81b7-bc67-4e5a-a6a3-7efb14e12915	1	18-May-2021 09:53:29	18-May-2021 09:46:44	18-May-2021 09:53:29	6.75 min.	Admin BP	Completed	BlackPearl Test	End 1	BlackPearl Test
85679	RioBroker Archive-Restore-Delete	Asset-5-503e144c-4da8-46d3-9074-ansb7133648	1	18-May-2021 09:51:57	18-May-2021 09:46:44	18-May-2021 09:51:57	5.22 min.	Admin BP	Completed	BlackPearl Test	End 1	BlackPearl Test
85678	RioBroker Archive-Restore-Delete	Asset-1-bb6a6ae4-c78a-41d9-8659-306e9232e690	1	18-May-2021 09:54:06	18-May-2021 09:46:44	18-May-2021 09:54:06	7.37 min.	Admin BP	Completed	BlackPearl Test	End 1	BlackPearl Test
85677	RioBroker Archive-Restore-Delete	Asset-6-d8146664-2d00-4cc0-b342-32b9a0c3e441	1	18-May-2021 09:53:49	18-May-2021 09:46:44	18-May-2021 09:53:49	7.08 min.	Admin BP	Completed	BlackPearl Test	End 1	BlackPearl Test
85676	RioBroker Archive-Restore-Delete	Asset-8-d1394e16-e8bc-4364-a174-c54133712ea9	1	18-May-2021 09:52:59	18-May-2021 09:46:44	18-May-2021 09:52:59	6.25 min.	Admin BP	Completed	BlackPearl Test	End 1	BlackPearl Test
85675	RioBroker Archive-Restore-Delete	Asset-3-c26514bc-8b83-4827-8304-94a3c04d3cdf	1	18-May-2021 09:51:31	18-May-2021 09:46:44	18-May-2021 09:51:31	4.78 min.	Admin BP	Completed	BlackPearl Test	End 1	BlackPearl Test
85674	RioBroker Archive-Restore-Delete	Asset-9-33471d39-a663-45b1-a665-a011a6593ca	1	18-May-2021 09:53:43	18-May-2021 09:46:44	18-May-2021 09:53:43	6.98 min.	Admin BP	Completed	BlackPearl Test	End 1	BlackPearl Test
85673	RioBroker Archive-Restore-Delete	Asset-4-d8185ec0-1ed0-4c0b-8b65-3de653d8e20	1	18-May-2021 09:53:09	18-May-2021 09:46:44	18-May-2021 09:53:09	6.42 min.	Admin BP	Completed	BlackPearl Test	End 1	BlackPearl Test

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Job Summary

Asset Basket (0) | Admin BP | Data | Logout

BlackPearl Test

Search...
Advanced

Desktop | Assets | Players | Tasks | Jobs | Workflows | Resources

Settings | Access | Admin

Recent Job Activity

System

The system completed the job RioBroker Delete

1 hour ago

Admin BP

RioBroker will delete the object which was archived with identifier: Asset-7-c18f4372-7bd8-4bae-90a3-17603ca1a237.mov

1 hour ago

Admin BP

Deleting Flex asset 85687 from RioBroker archive, whose current location is: s3://flex-dev-demo/sampleFile/BigFile_25tps.mov

1 hour ago

System

The system started running the job RioBroker Delete

1 hour ago

System

The system created the job RioBroker Delete

1 hour ago

System

The system completed the job RioBroker Restore

1 hour ago

System

The system completed the job RioBroker Delete

1 hour ago

Admin BP

RioBroker will delete the object which was archived with identifier: Asset-1-705e4764-a1ad-4ad2-a123-83a5d9068bd.mov

1 hour ago

Admin BP

Deleting Flex asset 85689 from RioBroker archive, whose current location is: s3://flex-dev-demo/sampleFile/BigFile_25tps.mov

1 hour ago

System

The system started running the job RioBroker Delete

1 hour ago

System

The system created the job RioBroker Delete

1 hour ago

System

The system completed the job RioBroker Restore

1 hour ago

System

The system completed the job RioBroker Delete

1 hour ago

Admin BP

Deleting Flex asset 85690 from RioBroker archive, whose current location is: s3://flex-dev-demo/sampleFile/BigFile_25tps.mov

1 hour ago

Admin BP

RioBroker will delete the object which was archived with identifier: Asset-6-ec999d94-f74e-4c0b-9d36-b80a0959448d.mov

1 hour ago

System

The system started running the job RioBroker Delete

1 hour ago

Job Summary

Last Day

Job Type	Waiting	Running	Completed	Failed	Cancelled	TOTAL
Archive	0	0	10	0	0	10
RioBroker Archive	0	0	10	0	0	10
Delete Archive	0	0	10	0	0	10
RioBroker Delete	0	0	10	0	0	10
Import	0	0	10	0	0	10
Import Asset	0	0	10	0	0	10
Restore	0	0	10	0	0	10
RioBroker Restore	0	0	10	0	0	10
TOTAL	0	0	10	0	0	10

I Want To...

No items to display

Saved Searches

No items to display

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Search Jobs

Search For Search

General Options
Job Options (defaults modified)



Save Search

Clear Search

Bulk actions OFF Results per page 50

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ID	Type	Name	Asset Title	Scheduled	Created	Last Modified	Started	Ended	Duration	Created by	Status	Account	Workspace
85829	RioBroker Delete		Asset-7-0d318606-b1d9-46d0-a095-a16cc925f13	18-May-2021 09:54:13	18-May-2021 09:54:13	18-May-2021 09:54:16	18-May-2021 09:54:14	18-May-2021 09:54:18	2 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85828	RioBroker Delete		Asset-1-ab6a6ae4-c78a-41b9-8659-306e9232e690	18-May-2021 09:54:02	18-May-2021 09:54:02	18-May-2021 09:54:05	18-May-2021 09:54:03	18-May-2021 09:54:05	2 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85827	RioBroker Delete		Asset-6-d414b664-2c80-4cc3-b342-328ba2c9e441	18-May-2021 09:53:45	18-May-2021 09:53:45	18-May-2021 09:53:49	18-May-2021 09:53:47	18-May-2021 09:53:49	2 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85826	RioBroker Delete		Asset-10-8877691c-16bb-4bae-b3a4-4abc90cde264	18-May-2021 09:53:43	18-May-2021 09:53:43	18-May-2021 09:53:46	18-May-2021 09:53:44	18-May-2021 09:53:47	3 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85825	RioBroker Delete		Asset-9-33471d39-a663-4d61-b055-a0114f509ka	18-May-2021 09:53:39	18-May-2021 09:53:39	18-May-2021 09:53:42	18-May-2021 09:53:40	18-May-2021 09:53:42	2 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85824	RioBroker Delete		Asset-2-692c81f7-bc17-4ef5-a6a3-7ef914e12915	18-May-2021 09:53:24	18-May-2021 09:53:24	18-May-2021 09:53:28	18-May-2021 09:53:25	18-May-2021 09:53:28	3 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85823	RioBroker Delete		Asset-4-db185ec6-1e0d-4c3b-8965-33ef53c9e264	18-May-2021 09:53:04	18-May-2021 09:53:04	18-May-2021 09:53:08	18-May-2021 09:53:05	18-May-2021 09:53:08	3 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85822	RioBroker Delete		Asset-8-d1394e16-e8fc-4364-a174-c54133712ea9	18-May-2021 09:52:51	18-May-2021 09:52:51	18-May-2021 09:52:58	18-May-2021 09:52:55	18-May-2021 09:52:58	3 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85821	RioBroker Delete		Asset-5-5036144c-f0ab-46d3-9074-aeaba7153648	18-May-2021 09:51:54	18-May-2021 09:51:54	18-May-2021 09:51:57	18-May-2021 09:51:55	18-May-2021 09:51:57	2 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85820	RioBroker Delete		Asset-3-c205148c-8f93-4827-8304-94c3b04d3cdf	18-May-2021 09:51:29	18-May-2021 09:51:29	18-May-2021 09:51:31	18-May-2021 09:51:29	18-May-2021 09:51:31	2 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85819	RioBroker Restore		Asset-10-8877691c-16bb-4bae-b3a4-4abc90cde264	18-May-2021 09:50:19	18-May-2021 09:50:19	18-May-2021 09:53:43	18-May-2021 09:50:20	18-May-2021 09:53:43	3.38 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85818	RioBroker Restore		Asset-6-d414b664-2c80-4cc3-b342-328ba2c9e441	18-May-2021 09:50:19	18-May-2021 09:50:19	18-May-2021 09:53:45	18-May-2021 09:50:20	18-May-2021 09:53:45	3.42 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85817	RioBroker Restore		Asset-9-33471d39-a663-4d61-b055-a0114f509ka	18-May-2021 09:50:17	18-May-2021 09:50:17	18-May-2021 09:53:38	18-May-2021 09:50:19	18-May-2021 09:53:38	3.32 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85816	RioBroker Restore		Asset-7-0d318606-b1d9-46d0-a095-a16cc925f13	18-May-2021 09:50:17	18-May-2021 09:50:17	18-May-2021 09:54:13	18-May-2021 09:50:19	18-May-2021 09:54:13	3.9 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85815	RioBroker Restore		Asset-1-ab6a6ae4-c78a-41b9-8659-306e9232e690	18-May-2021 09:50:13	18-May-2021 09:50:13	18-May-2021 09:54:01	18-May-2021 09:50:14	18-May-2021 09:54:01	3.78 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85814	RioBroker Restore		Asset-2-692c81f7-bc17-4ef5-a6a3-7ef914e12915	18-May-2021 09:50:10	18-May-2021 09:50:10	18-May-2021 09:53:24	18-May-2021 09:50:11	18-May-2021 09:53:24	3.22 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85813	RioBroker Restore		Asset-4-db185ec6-1e0d-4c3b-8965-33ef53c9e264	18-May-2021 09:49:46	18-May-2021 09:49:46	18-May-2021 09:53:03	18-May-2021 09:49:47	18-May-2021 09:53:03	3.27 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85812	RioBroker Restore		Asset-8-d1394e16-e8fc-4364-a174-c54133712ea9	18-May-2021 09:49:34	18-May-2021 09:49:34	18-May-2021 09:52:50	18-May-2021 09:49:36	18-May-2021 09:52:50	3.23 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85811	RioBroker Restore		Asset-5-5036144c-f0ab-46d3-9074-aeaba7153648	18-May-2021 09:49:05	18-May-2021 09:49:04	18-May-2021 09:51:53	18-May-2021 09:49:05	18-May-2021 09:51:53	2.8 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85810	RioBroker Restore		Asset-3-c205148c-8f93-4827-8304-94c3b04d3cdf	18-May-2021 09:48:43	18-May-2021 09:48:43	18-May-2021 09:51:28	18-May-2021 09:48:43	18-May-2021 09:51:28	2.75 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85809	RioBroker Archive		Asset-3-c205148c-8f93-4827-8304-94c3b04d3cdf	18-May-2021 09:46:51	18-May-2021 09:46:51	18-May-2021 09:48:43	18-May-2021 09:46:53	18-May-2021 09:48:43	1.83 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85808	RioBroker Archive		Asset-2-692c81f7-bc17-4ef5-a6a3-7ef914e12915	18-May-2021 09:46:51	18-May-2021 09:46:51	18-May-2021 09:50:10	18-May-2021 09:46:52	18-May-2021 09:50:10	3.3 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85807	RioBroker Archive		Asset-1-ab6a6ae4-c78a-41b9-8659-306e9232e690	18-May-2021 09:46:51	18-May-2021 09:46:51	18-May-2021 09:50:13	18-May-2021 09:46:52	18-May-2021 09:50:13	3.35 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85806	RioBroker Archive		Asset-9-33471d39-a663-4d61-b055-a0114f509ka	18-May-2021 09:46:51	18-May-2021 09:46:51	18-May-2021 09:50:17	18-May-2021 09:46:53	18-May-2021 09:50:17	3.4 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85805	RioBroker Archive		Asset-6-d414b664-2c80-4cc3-b342-328ba2c9e441	18-May-2021 09:46:51	18-May-2021 09:46:51	18-May-2021 09:50:19	18-May-2021 09:46:53	18-May-2021 09:50:19	3.43 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85804	RioBroker Archive		Asset-4-db185ec6-1e0d-4c3b-8965-33ef53c9e264	18-May-2021 09:46:51	18-May-2021 09:46:51	18-May-2021 09:49:45	18-May-2021 09:46:53	18-May-2021 09:49:46	2.88 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85803	RioBroker Archive		Asset-10-8877691c-16bb-4bae-b3a4-4abc90cde264	18-May-2021 09:46:51	18-May-2021 09:46:51	18-May-2021 09:50:19	18-May-2021 09:46:53	18-May-2021 09:50:19	3.43 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85802	RioBroker Archive		Asset-7-0d318606-b1d9-46d0-a095-a16cc925f13	18-May-2021 09:46:51	18-May-2021 09:46:51	18-May-2021 09:50:17	18-May-2021 09:46:53	18-May-2021 09:50:17	3.4 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85801	RioBroker Archive		Asset-5-5036144c-f0ab-46d3-9074-aeaba7153648	18-May-2021 09:46:51	18-May-2021 09:46:51	18-May-2021 09:49:04	18-May-2021 09:46:52	18-May-2021 09:49:04	2.2 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85800	RioBroker Archive		Asset-3-c205148c-8f93-4827-8304-94c3b04d3cdf	18-May-2021 09:46:51	18-May-2021 09:46:51	18-May-2021 09:49:34	18-May-2021 09:46:52	18-May-2021 09:49:34	2.7 min.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85799	Import Asset		Asset-5-5036144c-f0ab-46d3-9074-aeaba7153648	18-May-2021 09:46:45	18-May-2021 09:46:45	18-May-2021 09:46:50	18-May-2021 09:46:47	18-May-2021 09:46:50	3 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85798	Import Asset		Asset-2-692c81f7-bc17-4ef5-a6a3-7ef914e12915	18-May-2021 09:46:45	18-May-2021 09:46:45	18-May-2021 09:46:50	18-May-2021 09:46:47	18-May-2021 09:46:50	3 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85797	Import Asset		Asset-8-d1394e16-e8fc-4364-a174-c54133712ea9	18-May-2021 09:46:45	18-May-2021 09:46:45	18-May-2021 09:46:50	18-May-2021 09:46:47	18-May-2021 09:46:50	3 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85796	Import Asset		Asset-7-0d318606-b1d9-46d0-a095-a16cc925f13	18-May-2021 09:46:45	18-May-2021 09:46:45	18-May-2021 09:46:50	18-May-2021 09:46:47	18-May-2021 09:46:50	3 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85795	Import Asset		Asset-6-d414b664-2c80-4cc3-b342-328ba2c9e441	18-May-2021 09:46:45	18-May-2021 09:46:45	18-May-2021 09:46:50	18-May-2021 09:46:47	18-May-2021 09:46:50	3 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85794	Import Asset		Asset-10-8877691c-16bb-4bae-b3a4-4abc90cde264	18-May-2021 09:46:45	18-May-2021 09:46:45	18-May-2021 09:46:50	18-May-2021 09:46:47	18-May-2021 09:46:50	3 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85793	Import Asset		Asset-3-c205148c-8f93-4827-8304-94c3b04d3cdf	18-May-2021 09:46:45	18-May-2021 09:46:45	18-May-2021 09:46:50	18-May-2021 09:46:47	18-May-2021 09:46:50	3 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85792	Import Asset		Asset-1-ab6a6ae4-c78a-41b9-8659-306e9232e690	18-May-2021 09:46:45	18-May-2021 09:46:45	18-May-2021 09:46:50	18-May-2021 09:46:47	18-May-2021 09:46:50	3 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85791	Import Asset		Asset-4-db185ec6-1e0d-4c3b-8965-33ef53c9e264	18-May-2021 09:46:45	18-May-2021 09:46:45	18-May-2021 09:46:50	18-May-2021 09:46:47	18-May-2021 09:46:50	3 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test
85790	Import Asset		Asset-9-33471d39-a663-4d61-b055-a0114f509ka	18-May-2021 09:46:45	18-May-2021 09:46:45	18-May-2021 09:46:50	18-May-2021 09:46:47	18-May-2021 09:46:50	3 sec.	Admin BP	Completed	BlackPearl Test	BlackPearl Test

RioBrokerJobList

Dashboard

Job Status

Test

Active Jobs

Jobs that are currently running

Completed Jobs

Jobs that have run to completion

Canceled Jobs

Jobs that have been canceled

Failed Jobs

Jobs that have failed to complete

Creation Date ▲ ▼	Last Updated ▲ ▼	Job Type ▲ ▼	Total Size ▲ ▼
2021-05-18T09:50:18.818Z[UTC]	2021-05-18T09:53:23.543Z[UTC]	RESTORE	1.6 GB
2021-05-18T09:50:18.768Z[UTC]	2021-05-18T09:53:23.543Z[UTC]	RESTORE	1.6 GB
2021-05-18T09:50:17.519Z[UTC]	2021-05-18T09:53:09.738Z[UTC]	RESTORE	1.6 GB
2021-05-18T09:50:17.434Z[UTC]	2021-05-18T09:53:38.725Z[UTC]	RESTORE	1.6 GB
2021-05-18T09:50:12.755Z[UTC]	2021-05-18T09:53:34.492Z[UTC]	RESTORE	1.6 GB
2021-05-18T09:50:08.92Z[UTC]	2021-05-18T09:52:50.355Z[UTC]	RESTORE	1.6 GB
2021-05-18T09:49:45.196Z[UTC]	2021-05-18T09:52:46.908Z[UTC]	RESTORE	1.6 GB
2021-05-18T09:49:34.225Z[UTC]	2021-05-18T09:52:36.367Z[UTC]	RESTORE	1.6 GB
2021-05-18T09:49:04.068Z[UTC]	2021-05-18T09:51:35.878Z[UTC]	RESTORE	1.6 GB
2021-05-18T09:48:42.062Z[UTC]	2021-05-18T09:51:03.749Z[UTC]	RESTORE	1.6 GB
2021-05-18T09:47:00.991Z[UTC]	2021-05-18T09:48:33.267Z[UTC]	ARCHIVE	1.6 GB
2021-05-18T09:46:59.934Z[UTC]	2021-05-18T09:50:12.217Z[UTC]	ARCHIVE	1.6 GB
2021-05-18T09:46:58.869Z[UTC]	2021-05-18T09:50:01.097Z[UTC]	ARCHIVE	1.6 GB
2021-05-18T09:46:57.797Z[UTC]	2021-05-18T09:49:19.945Z[UTC]	ARCHIVE	1.6 GB
2021-05-18T09:46:56.585Z[UTC]	2021-05-18T09:49:58.883Z[UTC]	ARCHIVE	1.6 GB
2021-05-18T09:46:55.519Z[UTC]	2021-05-18T09:49:57.762Z[UTC]	ARCHIVE	1.6 GB
2021-05-18T09:46:54.329Z[UTC]	2021-05-18T09:49:36.678Z[UTC]	ARCHIVE	1.6 GB
2021-05-18T09:46:53.264Z[UTC]	2021-05-18T09:49:45.477Z[UTC]	ARCHIVE	1.6 GB
2021-05-18T09:46:52.132Z[UTC]	2021-05-18T09:48:44.403Z[UTC]	ARCHIVE	1.6 GB
2021-05-18T09:46:51.225Z[UTC]	2021-05-18T09:49:23.212Z[UTC]	ARCHIVE	1.6 GB

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Next

e) Save a copy of the RioBroker log file (rio-main.log), renamed as **Archive100.log**. Include this and all other log files with your test results.

- **Note:** Rio logs are located on the RioBroker server at C:\ProgramData\SpectraLogic\SpectraRioBroker\logs\

Attached 167970_TestLogs.txt

Test #4: Test restore of 100 files.

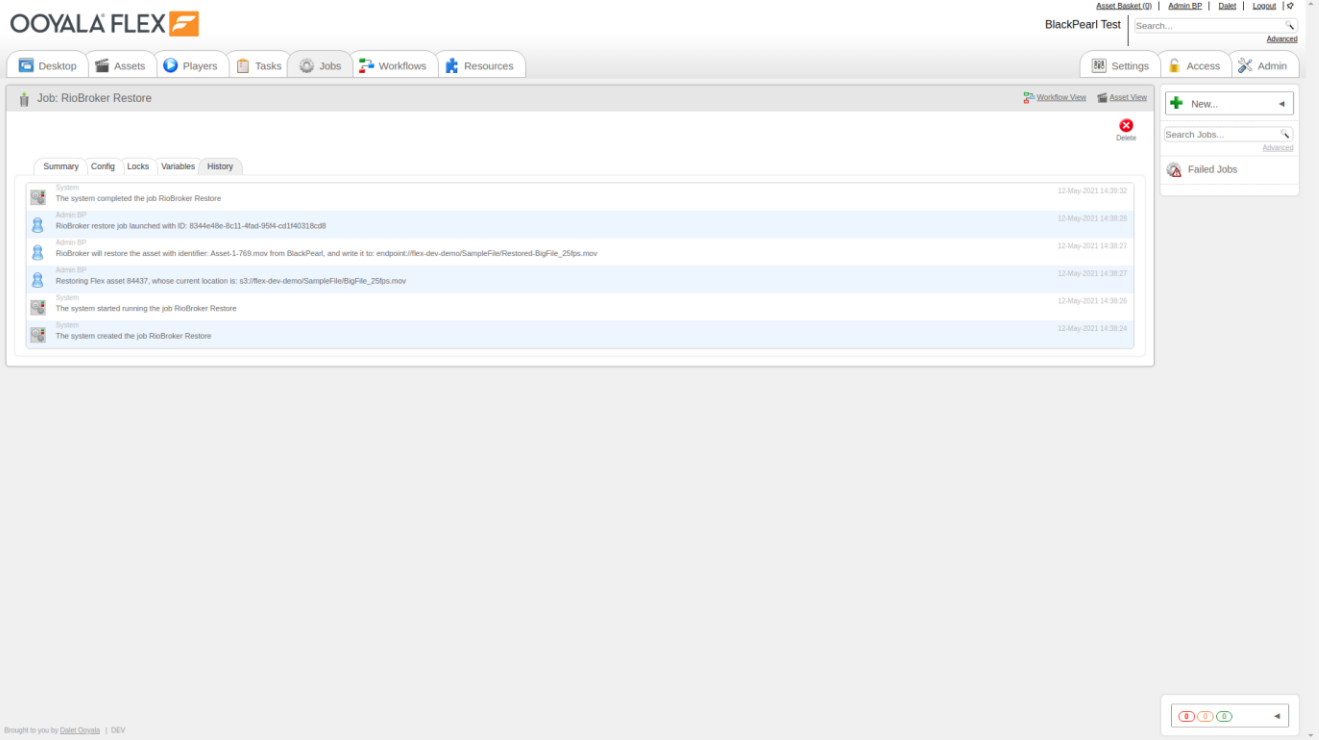
Goal: To ensure that your application can perform a restore of multiple files at once. This test verifies that the restore process keeps RioBroker data movers working efficiently and reasonable throughputs can be achieved.

- Restore 100 files from RioBroker
 - a) Issue a command in your application to restore the 100 files archived in Test #3 from RioBroker.
 - **Note:**
 - The 100 files should be either in a single command (100 files in one restore command) or multiple separate commands (one or more files per restore command).
 - If the restore is sent in separate commands, some level of concurrency must be demonstrated. Please describe how many jobs can be run in parallel and, if changeable, show where the concurrency setting is configured within your application.
 - b) Wait until the file transfers have completed before continuing.
 - c) Capture a screen image that shows your application indicating that the restore of the 100 files has completed. Paste the screenshot below:

Restore 100 files from RioBroker

Flex Restore Job History

See others snapshot in previous section



The screenshot displays the Ooyala Flex interface for managing restore jobs. The top navigation bar includes links for Desktop, Assets, Players, Tasks, Jobs, Workflows, and Resources. The 'Jobs' tab is active, showing a list of restore jobs. The job details for 'RioBroker Restore' are displayed, showing a summary of the restore process, including the job ID, the asset being restored, and the current location. The job status is 'Completed'.

Summary	Config	Locks	Variables	History
<p>The system completed the job RioBroker Restore</p> <p>Admin BP RioBroker restore job launched with ID: 8344e45e-8c11-4fad-9594-cd1140318c98</p> <p>Admin BP RioBroker will restore the asset with identifier: Asset-1-769.mov from BlackPearl, and write it to: endpoint://flex-dev-demo/SampleFileRestored-BigFile_25ps.mov</p> <p>Admin BP Restoring Flex asset 84437, whose current location is: c3://flex-dev-demo/SampleFile/BigFile_25ps.mov</p> <p>System The system started running the job RioBroker Restore</p> <p>System The system created the job RioBroker Restore</p>				

- d) Save a copy of the RioBroker log file (rio-main.log), renamed as **Restore100.log**. Include this and all other log files with your test results.
- **Note:** Rio logs are located on the RioBroker server at
C:\ProgramData\SpectraLogic\SpectraRioBroker\logs\

As part of previous Test#3 section, simultaneous Archive and Restore jobs have been executed.

The following test is required if your application supports archiving and restoring of files into multiple brokers/buckets via RioBroker

Test #5: Test support of multiple brokers/buckets.

Goal: To ensure that the application provides user ability to archive to multiple independent brokers/buckets. Note that each RioBroker broker has a default agent which represents a single BlackPearl bucket.

- The application supports multiple brokers/buckets
 - a. Create two brokers/buckets (if the client supports broker/bucket creation)
 - i. Capture a screen image that shows how to create the additional buckets. Paste the screen image into below:

Multiple buckets creation screenshot

N/A

- b. Archive data to both buckets
 - i. Capture screen images that shows the application completed with files in both buckets. Paste the screen images below: OK to use Eon Browser and show the two buckets/files via direct BlackPearl connection.

Files in both buckets screenshots

N/A

- c. GET data from both buckets
 - i. Capture screen images that show the application completed with files restored from both buckets. Paste the screen images below:

Files restored from both buckets screenshots

N/A

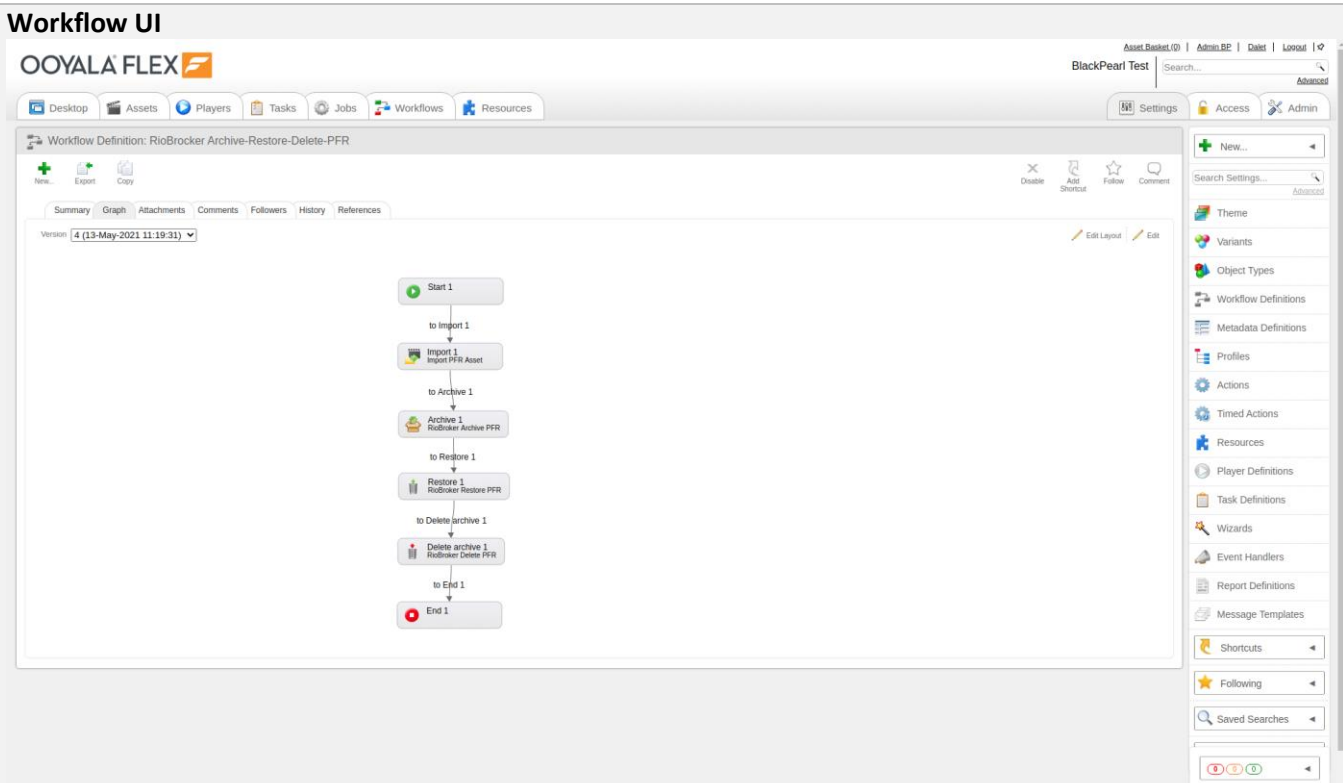
The following test is required if your application supports time-based partial file recovery via RioBroker

Test #6: Test Partial File Recovery archive/index and restore/PFR.

Goal: To ensure that your application supports the RioBroker PFR system and provides reasonable and clearly understandable messaging to the end user in the case of error conditions.

- If the application supports restore of partial files from BlackPearl/RioBroker
 - a. Archive file using RioBroker
 - i. Capture a screen image that shows in your application that the file archived to RioBroker and was indexed for PFR. Paste the screen image into below:

Archived file screenshot

Workflow UI


The screenshot displays the Ooyala Flex Workflow UI. At the top, there's a navigation bar with tabs for Desktop, Assets, Players, Tasks, Jobs, Workflows, and Resources. The main area shows a workflow definition titled 'RioBroker Archive-Restore-Delete-PFR'. The workflow consists of the following steps: Start 1, to Import 1, Import 1 Import PFR Asset, to Archive 1, Archive 1 RioBroker Archive PFR, to Restore 1, Restore 1 RioBroker Restore PFR, to Delete archive 1, Delete archive 1 RioBroker Delete PFR, to End 1, and End 1. The interface also includes a right sidebar with various settings and definitions, and a bottom section labeled 'Flex Asset Jobs List'.

Asset Basket (0)Admin BP | Data | Logout

BlackPearl Test

Search...Advanced

DesktopAssetsPlayersTasksJobsWorkflowsResources

SettingsAccessAdmin

Media Asset: PFR-Test-Asset-05

New...ArchivePublishDownloadSet Meta DelLaunch

ApproveAdd to BasketAdd ShortcutFollowComment

SummaryFileMetadataReviewsKeyframesAttachmentsWorkflowsJobsPublishingPlayersFollowersHistoryReferences

Results per page: 101-5 of 5 resultsPage 1 of 1

ID	Type	Name	Scheduled	Created	Start	End	Duration	Created by	Status	Deleted
85354		RioBroker Delete PFR	13-May-2021 05:51:25	13-May-2021 05:51:25	13-May-2021 05:51:27	13-May-2021 05:51:30	3 sec.	Admin BP	Completed	
85353		RioBroker Restore PFR	13-May-2021 05:50:46	13-May-2021 05:50:46	13-May-2021 05:50:47	13-May-2021 05:51:25	38 sec.	Admin BP	Completed	
85352		RioBroker Archive PFR	13-May-2021 05:50:09	13-May-2021 05:50:09	13-May-2021 05:50:11	13-May-2021 05:50:45	35 sec.	Admin BP	Completed	
85351		Import PFR Asset	13-May-2021 05:49:58	13-May-2021 05:49:58	13-May-2021 05:50:00	13-May-2021 05:50:09	9 sec.	Admin BP	Completed	
85350		Launch RioBroker WF	13-May-2021 05:49:57	13-May-2021 05:49:57	13-May-2021 05:49:58	13-May-2021 05:49:58	0 sec.	Admin BP	Completed	

Web UploadUploadAsset BasketTrash BinShortcutsFollowingSaved SearchesRecent Items

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Flex Archive Job History

Asset Basket (0)Admin BP | Data | Logout

BlackPearl Test

Search...Advanced

DesktopAssetsPlayersTasksJobsWorkflowsResources

SettingsAccessAdmin

Job: RioBroker Archive PFR

Workflow ViewAsset View

Delete

SummaryConfigLocksVariablesHistory

System

The system completed the job RioBroker Archive PFR

13-May-2021 11:20:46

Admin BP

RioBroker archive job launched with ID: ac437e63-5471-4245-8946-1f53Mf71c5

13-May-2021 11:20:14

Admin BP

RioBroker will read the asset from location: endpoint://flex-dev-demo/PFRTest/Test_File_AVC_I_50_720_50p.mxf and archive it to BlackPearl with identifier: PFR-Test-Asset-05.mxf

13-May-2021 11:20:12

Admin BP

Archiving Flex asset 85250, whose current location is: s3://flex-dev-demo/PFRTest/Test_File_AVC_I_50_720_50p.mxf

13-May-2021 11:20:12

System

The system started running the job RioBroker Archive PFR

13-May-2021 11:20:11

System

The system created the job RioBroker Archive PFR

13-May-2021 11:20:09

Show More

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Flex Asset Children (PFR)

OOYALA FLEX

Asset Basket | Admin RP | Logout

BlackPearl Test

Search...

Advanced

DesktopAssetsPlayersTasksJobsWorkflowsResources

SettingsAccessAdmin

Media Asset: PFR-Test-Asset-05

New...ActivePublishDownloadSet Meta DefLaunch

ApproveAdd to BasketAdd ShortcutFollowComment

SummaryFileMetadataReviewsKeyframesAttachmentsWorkflowsJobsPublishingPlayersFollowersHistoryReferences

Name	PFR-Test-Asset-05	Created by	Admin RP
Description		ID	85250
		UUID (revision)	fa8b1706-35f1-4ae3-b0b7-e50d96d0f06f (4)
Variant	N/A	Created	13-May-2021 11:20:09
Metadata Definition	N/A	Last Modified	13-May-2021 11:21:29
Account	BlackPearl Test		
Approved	<input type="checkbox"/>	Locked	X
Deleted	X	Purged	X
Review	N/A	Archived	X
Reference Name		Restored	✓
Exists	✓	Asset Origin	Import
		Live	X

Comments

No Comments

Children

Results per page: 10

1-1 of 1 results

Page 1 of 1

ID	Reference Name	Child Type	Mime Type	Deleted	Purged	Archived	Locked	Exists	Published
85252		Rendered Clip	application/mxf	X	X	X	X	✓	X

New...Web UploadUploadAsset BasketTrash BinShortcutsFollowingSaved SearchesRecent Items

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Flex Rendered Child

OOYALA FLEX

Asset Basket | Admin RP | Logout

BlackPearl Test

Search...

Advanced

DesktopAssetsPlayersTasksJobsWorkflowsResources

SettingsAccessAdmin

Media Asset: Restored-Test_File_AVC_I_50_720_50p.mxf

New...ActivePublishDownloadSet Meta DefLaunch

ApproveAdd to BasketAdd ShortcutFollowComment

SummaryFileMetadataReviewsKeyframesAttachmentsWorkflowsJobsPublishingPlayersFollowersHistoryReferences

Name	Restored-Test_File_AVC_I_50_720_50p.mxf	Created by	Admin RP
Description		ID	85252
		UUID (revision)	5384ba55-6864-4b9b-bc39-ca730ccdc08f (1)
Variant	N/A	Created	13-May-2021 11:21:21
Metadata Definition	N/A	Last Modified	13-May-2021 11:21:25
Account	BlackPearl Test		
Approved	<input type="checkbox"/>	Locked	X
Deleted	X	Purged	X
Review	N/A	Archived	X
Reference Name		Restored	X
Exists	✓	Asset Origin	Rendered Clip
		Live	X

Comments

No Comments


Parent

ID	85250	Mime Type	Deleted
Purged	X	Archived	X
Exists	✓	Restored	X

New...Web UploadUploadAsset BasketTrash BinShortcutsFollowingSaved SearchesRecent Items

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RioBroker Job List



[Dashboard](#)
[Job Status](#)
[Test](#)

Active Jobs

Jobs that are currently running

Completed Jobs

Jobs that have run to completion

Canceled Jobs

Jobs that have been canceled

Failed Jobs

Jobs that have failed to complete

Creation Date ▲ ▼	Last Updated ▲ ▼	Job Type ▲ ▼	Total Size ▲ ▼
2021-05-13T05:50:48.894Z[UTC]	2021-05-13T05:51:11.959Z[UTC]	RESTORE	139.3 MB
2021-05-13T05:50:13.448Z[UTC]	2021-05-13T05:50:34.757Z[UTC]	ARCHIVE	139.3 MB
2021-05-13T05:44:32.721Z[UTC]	2021-05-13T05:44:51.062Z[UTC]	RESTORE	139.3 MB
2021-05-13T05:43:56.185Z[UTC]	2021-05-13T05:44:19.089Z[UTC]	ARCHIVE	139.3 MB
2021-05-12T15:22:40.691Z[UTC]	2021-05-12T15:23:03.238Z[UTC]	RESTORE	139.3 MB

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5 rows ▼


Next

Selected Job's Status

Number of Files	Files Transferred	Progress
1	1	100%

Selected Job's Files

Filename ▲ ▼	URI ▲ ▼	Status ▲ ▼	Status Message ▲ ▼
PFR-Test-Asset-05.mxf	endpoint://flex-dev-demo/PFRTest/Test_File_AVC_I_50_720_50p.mxf	Completed	Successfully transferred file to BlackPearl



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[Job Status](#)
[Test](#)

Active Jobs

Jobs that are currently running

Completed Jobs

Jobs that have run to completion

Canceled Jobs

Jobs that have been canceled

Failed Jobs

Jobs that have failed to complete

Creation Date ▲ ▼	Last Updated ▲ ▼	Job Type ▲ ▼	Total Size ▲ ▼
2021-05-13T05:50:48.894Z[UTC]	2021-05-13T05:51:11.959Z[UTC]	RESTORE	139.3 MB
2021-05-13T05:50:13.448Z[UTC]	2021-05-13T05:50:34.757Z[UTC]	ARCHIVE	139.3 MB
2021-05-13T05:44:32.721Z[UTC]	2021-05-13T05:44:51.062Z[UTC]	RESTORE	139.3 MB
2021-05-13T05:43:56.185Z[UTC]	2021-05-13T05:44:19.089Z[UTC]	ARCHIVE	139.3 MB
2021-05-12T15:22:40.691Z[UTC]	2021-05-12T15:23:03.238Z[UTC]	RESTORE	139.3 MB

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5 rows ▼

Next

Selected Job's Status

Number of Files	Files Transferred	Progress
1	1	100%

Selected Job's Files

Filename ▲ ▼	URI ▲ ▼	Status ▲ ▼	Status Message ▲ ▼
PFR-Test-Asset-05.mxf	endpoint://flex-dev-demo/PFRTest/Restored-Test_File_AVC_I_50_720_50p.mxf	Completed	Successfully transferred file from BlackPearl

- ii. Use an unsupported file (e.g. .txt) and alter the file extension to a format that the indexer will look at (.mxf, .mov, etc.) and attempt to archive the file with PFR. Show error message below.

Archived file not indexable screenshot

The Archive job is reported from RioBroker as completed.

OOYALA FLEX

test

Workspaces

Settings

Access

Admin

Desktop

csrf tests

csrf-local-tests

titles

Assets

Players

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Workflows

Resources

Asset Basket (0)

Bhaumik Joshi

Dalit

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Search Jobs...

Advanced

Failed Jobs

Job: RioBroker Archive Lab

Asset View

Delete

Summary

Config

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Variables

History

RioBroker URL

The URL for RioBroker (e.g. https://1.2.3.4:5050)

https://10.85.41.242:5050/

Trust Self-Signed Certs

Set to true if the RioBroker URL is accessed via HTTPS and has a self-signed SSL certificate that is considered trusted.

true

RioBroker Username

Username for the RioBroker API.

spectra

RioBroker Password

Password for the RioBroker API.

Broker Name

The name of the broker to be used for the archive operation.

dalet-flex-qa

Archive object name

Expression to derive the unique name used to identify the archived object in BlackPearl. If expression is empty or resolves to an empty value, then the current asset filename will be used. For example: \$asset.original.filename

PFRTest.mp4

Path Mappings

Defines paths to given storage locations from Flex's perspective and RioBroker's perspective.

Flex Base Path

Identifies a base path within which Flex assets are stored, e.g. s3://bucket-name, file://flex-enterprise/storage/media, etc.

s3://flex-dev-demo/

RioBroker Base Path

The path used by RioBroker to reach the same storage location, e.g. endpoint://s3.bucket-alias, file://c:/media, etc.

endpoint://flex-dev-demo/

Index Timestamp Data for PFR

Set to true if PFR (Partial File Restore) server is configured and you wish to use it.

true

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Asset Basket (0)

Bhaumik Joshi

Dalit

Logout

test

Search...

Advanced

New...

Search Jobs...

Advanced

Failed Jobs

Job: RioBroker Archive Lab

Asset View

Delete

Summary

Config

Locks

Variables

History

System

The system completed the job RioBroker Archive Lab

17-May-2021 11:54:06

Bhaumik Joshi

RioBroker archive job launched with ID: dk39cc80-4b71-440e-b3fc-6553a02abaa4

17-May-2021 11:53:34

Bhaumik Joshi

Archiving Flex asset 85547, whose current location is: s3://flex-dev-demo/BlackPearlLabTest/9556c4d6-e383-4e13-8883-512379cc272b.mp4

17-May-2021 11:53:31

Bhaumik Joshi

RioBroker will read the asset from location: endpoint://flex-dev-demo/BlackPearlLabTest/9556c4d6-e383-4e13-8883-512379cc272b.mp4 and archive it to BlackPearl with identifier: PFRTest.mp4

17-May-2021 11:53:31

System

The system started running the job RioBroker Archive Lab

17-May-2021 11:53:27

Bhaumik Joshi

Bhaumik Joshi created the job RioBroker Archive Lab

17-May-2021 11:53:25

Show More

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Asset Basket (0)

Bhaumik Joshi

Dalit

Logout

test

Search...

Advanced

New...

Search Jobs...

Advanced

Failed Jobs

Dashboard

Job Status

Test

RioBroker

Active Jobs

Completed Jobs

Canceled Jobs

Failed Jobs

Creation Date	Last Updated	Job Type	Total Size
2021-05-17T06:23:30.181Z[UTC]	2021-05-17T06:23:44.256Z[UTC]	ARCHIVE	1 MB
2021-05-13T06:32:51.546Z[UTC]	2021-05-13T06:33:04.181Z[UTC]	ARCHIVE	1.1 MB
2021-05-13T05:50:48.894Z[UTC]	2021-05-13T05:51:11.959Z[UTC]	RESTORE	139.3 MB
2021-05-13T05:50:13.448Z[UTC]	2021-05-13T05:50:34.757Z[UTC]	ARCHIVE	139.3 MB
2021-05-13T05:44:32.721Z[UTC]	2021-05-13T05:44:51.062Z[UTC]	RESTORE	139.3 MB

Selected Job's Status

Number of Files	Files Transferred	Progress
1	1	100%

Selected Job's Files

Filename	URI	Status	Status Message
PFRTest.mp4	endpoint/flex-dev-demo/BlackPearlLabTest/9b56c4d6-e383-4e13-8f83-512379cc2f2b.mp4	Completed	Successfully transferred file to BlackPearl/Archived despite failure to index: Indexing "PFRTest.mp4" failed with status: "Failed" due to: No index reader available for .mp4.

Restore using PFR will fail in BlackPearl and reported back to Flex

OOYALA FLEX

test

Desktop | csrf tests | csrf-local-tests | files | Assets | Players | Tasks | Jobs | Workflows | Resources

Job: RioBroker Restore Lab

Summary | Config | Locks | Variables | History

RioBroker URL	The URL for RioBroker (e.g. https://12.3.4.5:5050)	https://10.85.41.242:5050/
Trust Self-Signed Certs	Set to true if the RioBroker URL is accessed via HTTPS and has a self-signed SSL certificate that is considered trusted	true
RioBroker Username	Username for the RioBroker API	spectra
RioBroker Password	Password for the RioBroker API	*****
Broker Name	The name of the broker to be used for the restore operation	dalet-flex-qps
Archive object name	Expression to derive the unique name to identify the archived object in BlackPearl; if expression is empty or resolves to an empty value, then the current asset filename will be used. For example: %{asset.originalFilename}	PFRTest.mp4
Path Mappings	Defines paths to given storage locations from Flex's perspective and RioBroker's perspective	
Flex Base Path	Identifies a base path within which Flex assets are stored, e.g. s3://bucket-name, file://flex-flex-enterprise/storage/media, etc.	s3://flex-dev-demo/
RioBroker Base Path	The path used by RioBroker to reach the same storage location, e.g. endpoint://s3-bucket-alias, file://x-media, etc.	endpoint://flex-dev-demo/
Restore Filename	Expression to derive the filename to be used when restoring the file. For example: %{job.workflow.workflowId}-%(asset.name)	PFRTest-Restored.mp4
PFR In Time	In Time for PFR (Partial File Restore) - expression to derive the value in either microseconds or hh:mm:ss.FF format; if expression is empty or resolves to an empty value, the entire video will be restored. For example: %{variables.timecodeIn}	00:00:10:00
PFR Out Time	Out Time for PFR (Partial File Restore) - expression to derive the value in either microseconds or hh:mm:ss.FF format; if expression is empty or resolves to an empty value, the entire video will be restored. For example: %{variables.timecodeOut}	00:00:15:00

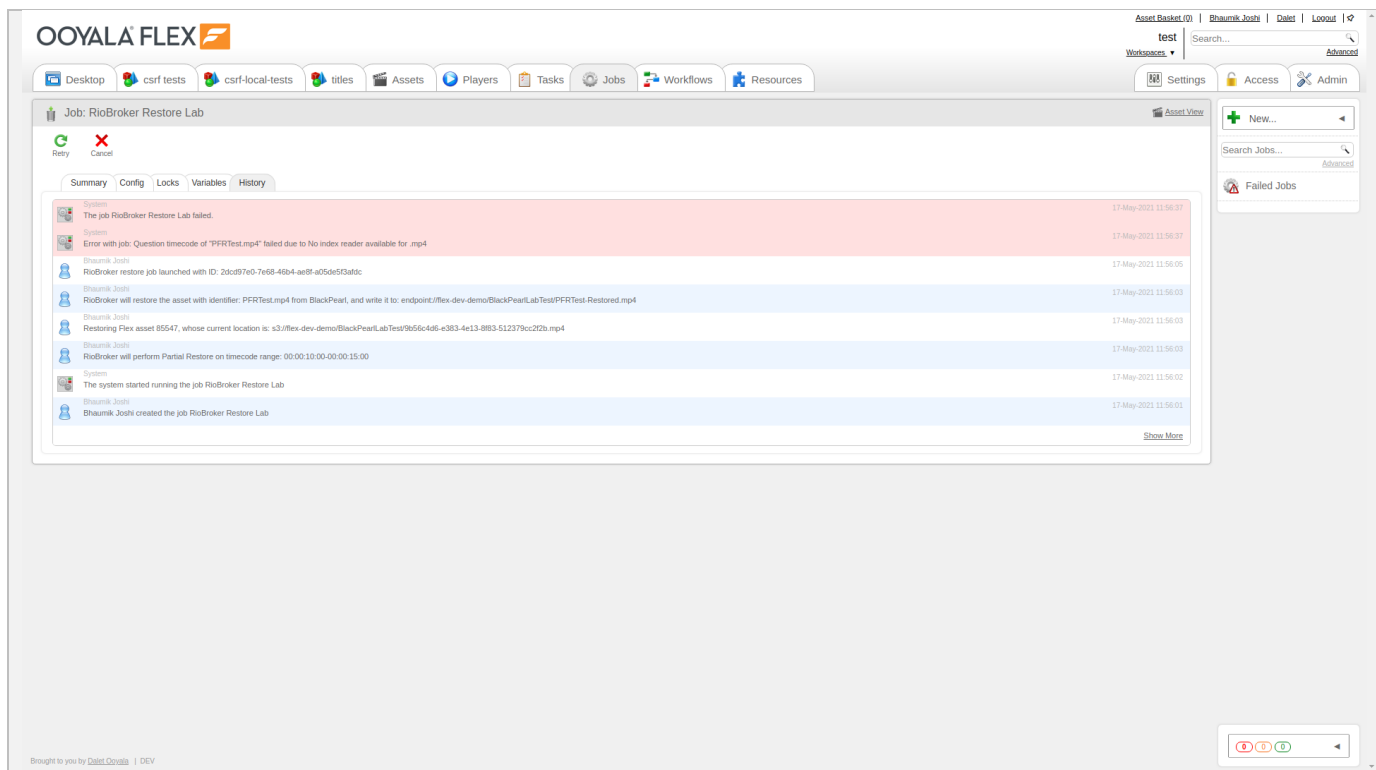
Asset View

New...

Search Jobs...

Failed Jobs

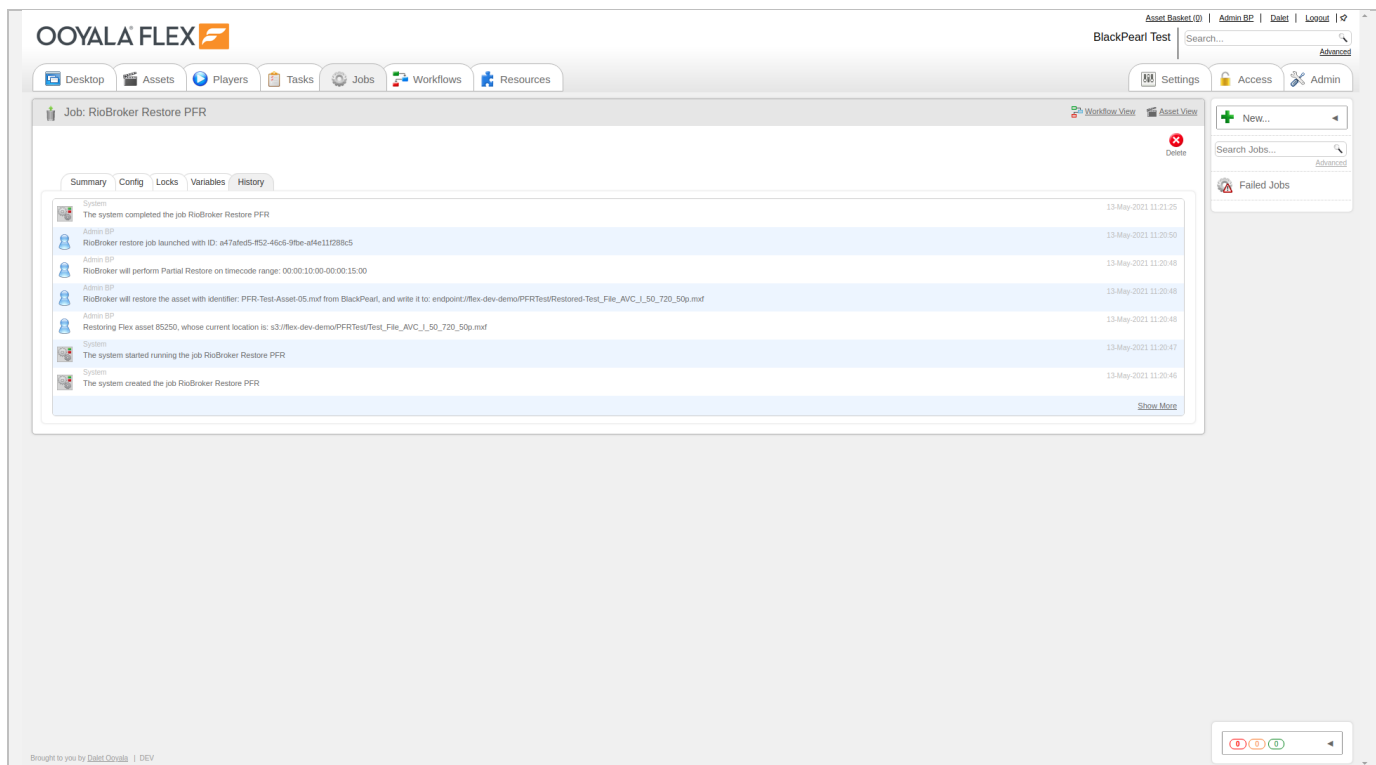
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- b. Retrieve partial file
 - i. Capture a screen image that shows successful retrieval of partial file that was successfully indexed. Paste the screen image below:

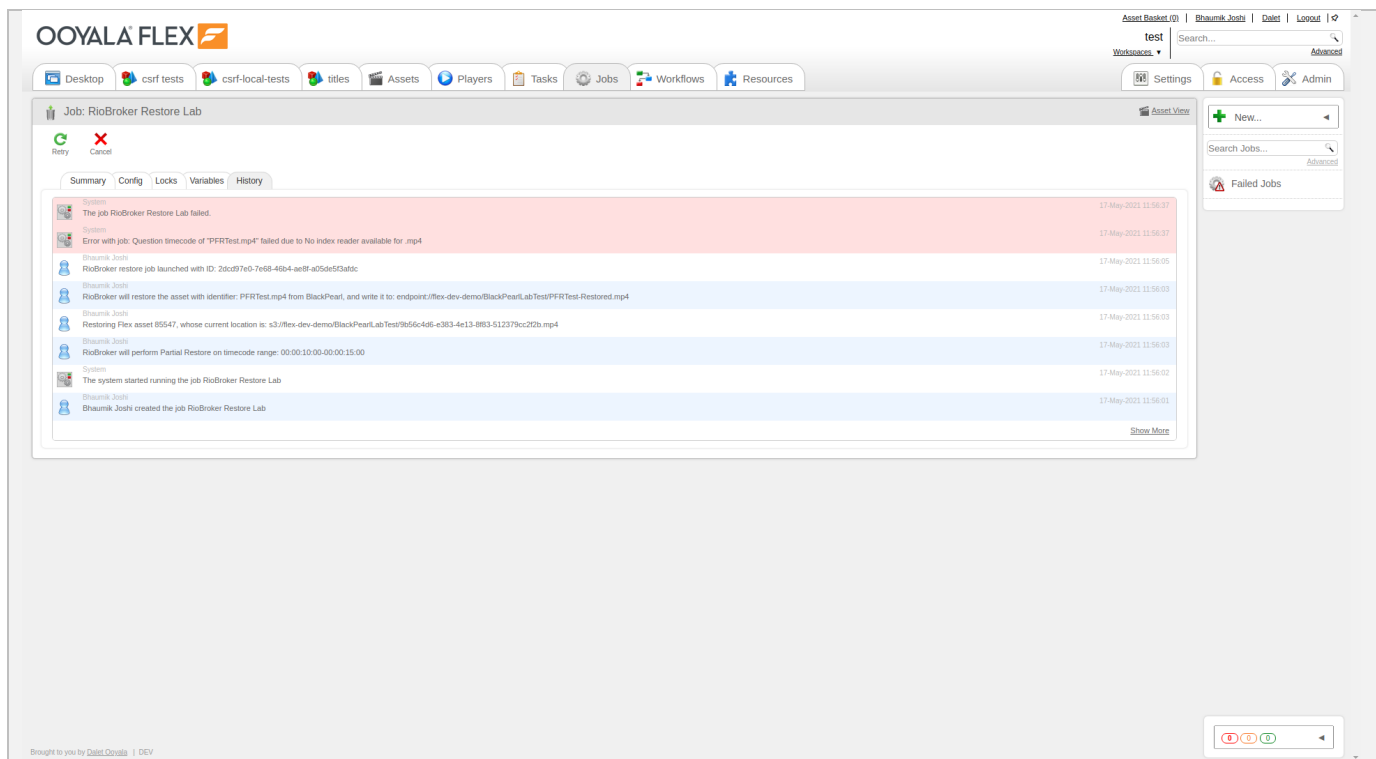
Partial file restored screenshot

See above for more Restore screenshot



- ii. Capture a screen image that shows end user messaging if a PFR restore cannot be performed as well as options provided to the end user (e.g. recover entire file):

PFR restore failure screenshot



The following test is required if your application supports importing of foreign LTFS tapes via RioBroker and BlackPearl.

Test #7: Test support of importing external files from RioBroker into your application (such as LTFS Foreign Tape imported into BlackPearl).

Goal: To ensure that your application has the ability to allow import of new files via RioBroker from foreign sources such as LTFS tapes. RioBroker has the ability to index the files on these tapes, but your application must then add these files to its database (if media asset management or similar application). Since any foreign LTFS tapes will be imported as read only, the suggested process is to import them into a new bucket, add a read only agent pointing to that bucket and let RioBroker scan the tape. More can be added at a later time but if the agent already exists, then RioBroker must be given a re-index command and your application must then scan for differences. Whatever the method the application supports, this process is intended to test that imports work, that your application issues the proper commands to add the agent or index the agent and that your database is then updated so the files can be used by the client.

- Your application must support some form of foreign file import functionality
 - a. Import single tape
 - i. Import a single foreign tape containing files into a bucket using the BlackPearl web management interface (Status > Tape Management, then Action > Import all Foreign LTFS Tapes.
 - ii. Verify the tape's State changes from "Foreign" to "Managed" on BlackPearl web management interface

- iii. Verify that the application can be commanded to re-index the agent/bucket and that the number and size of recovered files/files matches expected contents of the tape. Capture screen images that shows before and after status of files in application. Paste the screen image into below:

Foreign files imported into your application screenshot

N/A

This test is required if your application supports the displaying/listing of files that are in RioBroker

Test #8: Test application ability to list files in a bucket/agent and optionally perform search.

Goal: To ensure that the application can perform basic list operations with reasonable pagination and can perform directed and generic search across agents.

- If application can list files in a bucket, show that it can handle (paginate) a large list
 - a. Archive 500 or more files to RioBroker (can use files from prior tests above)
 - b. Capture a screen image from the application showing user interface with files displayed in a first page. Paste the screen image below:

First page of files screenshot

N/A

- c. Display the second page of files in the application.
- d. Capture a screen image from the application showing user interface with files displayed in a second page. Paste the screen image below:

Second page of files screenshot

N/A

- If application supports file search:
 - a. Put an assortment of files in various buckets/agents

- b. Verify that the application can direct search to a specific bucket/agent and paste the screen image below:

Search a bucket screenshot
N/A

- c. Verify that the application can search across buckets and display the results to the user allowing actions on the results and paste the screen image below:

Search multiple buckets screenshot
N/A

Revision History

Version	Date	Author	Changes
0.1	1/22/19	DF	Initial format and content.
0.2	5/23/19	BS	Updated test case 1 to show the correct procedure for changing BlackPearl credentials.
0.3	6/4/19	BS	Updated test cases 3 – 6 to make transfer speeds recommended rather than required.
0.4	11/6/19	EL	Combined test cases 1 – 7 into four simplified tests, focused on demonstrating error handling and job creation performance for both archive and restore operations. Optional tests are now numbered 5 – 8.
0.5	3/31/2020	EL	Updated tests 3 and 4 (archive and restore of 100 files) to require some level of concurrency if files are in separate jobs.
0.6	7/15/2020	ZG	Updated test 1 to require deleting a bucket on BlackPearl rather than changing S3 credentials.