

# Monitor (Experimental)

The Flux Operations Console has served Flux users reasonably well over the years, but as users have scaled their operations from hundreds to tens of thousands of workflows, the Operations Console has not kept pace. The existing console does not support bulk operations. In addition, the console is not as responsive as we would like.

So we have started developing a new monitor, to be rolled out in its first phase with Flux 8.0.8. This monitor will not fully replace the existing Operations Console until sometime in 2015. The differences should be obvious.

Bulk operations are now supported. Checkboxes on the left allow the selection of workflows for bulk operations, and individual operations can be performed on specific workflows. And note - no having to scroll to the bottom of the page to perform an operation.

## Configuring the Monitor to Run on a Remote Server

If you intend to run the monitor on a server other than localhost, open the file Flux Installation Directory/webapp/flux/monitor.html, find the reference to localhost:7186, and change it to the server name and port (for example, s.flux.ly:80).

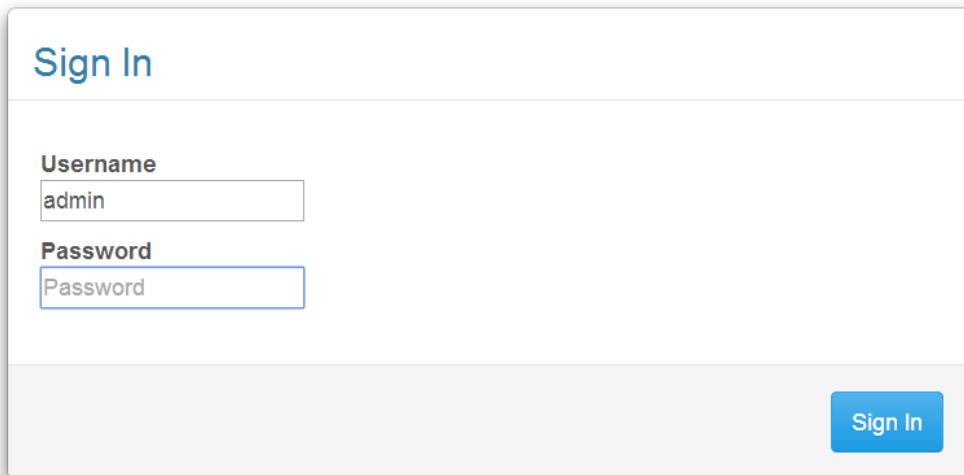
Access the monitor with the URL <http://yourFluxServer:7186/monitor.html>. Use the same user name and password as you would signing on to the existing Operations Console. This new monitor uses the same REST API that the existing Operations Console does, so what is available is stable. If you're deploying the Operations Console using another port, you will need to update the port info in the following line of the `<flux-installation-folder>/webapp/monitor.html`

```
//Set the target Flux Host here  
host = 'http://' + document.location.hostname + ':7186/';
```

There is still a lot of work to do here - so we're not done yet here - so stay tuned.

The source code for the monitor is located in the Flux Installation Directory/webapp/flux/monitor.html.

## Sample Screen Shots



The image shows a 'Sign In' form with a title 'Sign In' in blue. Below the title are two input fields: 'Username' with the value 'admin' and 'Password' with the placeholder text 'Password'. A blue 'Sign In' button is located at the bottom right of the form.

## Engine Monitor View

Monitor Repository Audit Trail Run History Monitoring http://s.flux.ly/ as admin Signout

Refresh Show Filters 4 Engine Workflows 0 0 0 Remove Export Expedite Pause Resume Interrupt Recover Restart

/Tok Action Name Message Engine Failed Firing Paused Triggering Waiting Free Done

Engine Namespace	Status	Action	Message	Engine Workflow Actions
/Tokyo/BillPay	WAITING	Timer	Finished processing Customer Invoices at 2014.07.24 09:16:46	[Stop] [Start] [Pause] [Resume] [Interrupt] [Recover] [Restart]
/Tokyo/ClientStatements	WAITING	Wait 10s	Sending monthly statement to: GIO	[Stop] [Start] [Pause] [Resume] [Interrupt] [Recover] [Restart]
/Tokyo/InsuranceClaims	WAITING	File Exist SFTP	Archive processed claims.	[Stop] [Start] [Pause] [Resume] [Interrupt] [Recover] [Restart]
/Tokyo/sendStatements	WAITING	Timer	2014.07.21 12:00:36 - Finished processing Jul 21 Statements	[Stop] [Start] [Pause] [Resume] [Interrupt] [Recover] [Restart]
/Tokyo/BillPay	WAITING	Timer	Finished processing Customer Invoices at 2014.07.24 09:16:46	[Stop] [Start] [Pause] [Resume] [Interrupt] [Recover] [Restart]
/Tokyo/ClientStatements	WAITING	Wait 10s	Sending monthly statement to: GIO	[Stop] [Start] [Pause] [Resume] [Interrupt] [Recover] [Restart]
/Tokyo/InsuranceClaims	WAITING	File Exist SFTP	Archive processed claims.	[Stop] [Start] [Pause] [Resume] [Interrupt] [Recover] [Restart]
/Tokyo/sendStatements	WAITING	Timer	2014.07.21 12:00:36 - Finished processing Jul 21 Statements	[Stop] [Start] [Pause] [Resume] [Interrupt] [Recover] [Restart]

## Repository View

Monitor Repository Audit Trail Run History Monitoring http://s.flux.ly/ as admin Signout

Refresh Show Filters 3 Repository Workflows Remove Submit Export Import...

/Tok\*

Repository Workflow	Created	Last Modified	Description	Repository Actions	Submit to Different Namespace
/Tokyo/BillPay	28 May 2014 @ 01:55:19	28 May 2014 @ 01:55:19		[Stop] [Start] [Pause] [Resume] [Interrupt] [Recover] [Restart]	[New Namespace]
/Tokyo/ClientStatements	28 May 2014 @ 01:55:20	15 Jul 2014 @ 18:52:18		[Stop] [Start] [Pause] [Resume] [Interrupt] [Recover] [Restart]	[New Namespace]
/Tokyo/InsuranceClaims	28 May 2014 @ 01:55:20	28 May 2014 @ 01:55:20		[Stop] [Start] [Pause] [Resume] [Interrupt] [Recover] [Restart]	[New Namespace]

## Audit Trail View (with Filters shown)

Monitor Repository Audit Trail Run History Monitoring http://s.flux.ly/ as admin Signout

Refresh Show Filters 12

/Tok /Mes

Namespace	Action	Category	Events	Message
/Tokyo/ClientStatements	Wait 10s	Run	Start, End, Finish, Near, Past, Remove, Failed	Exiting Delay Trigger "Wait 10s" without firing.
/Tokyo/ClientStatements	Wait 10s	Action	Enter, Execute, Exit, Timeout, Error, Signal	flux.audittrail.server.ExecutingActionEvent
/Tokyo/ClientStatements	Wait 10s	Trigger	Enter, No Fire, Exit, Timeout, Error, Signal	Entering Delay Trigger "Wait 10s".
/Tokyo/ClientStatements	Iterate	Engine	Restart, Blocked, Stopped, DB Falling, J2SE Commit, J2SE Rollback	Exiting For Each Collection Element Action "Iterate Statements to Send".
/Tokyo/ClientStatements	Iterate Statements to Send			flux.audittrail.server.ExecutingActionEvent
/Tokyo/ClientStatements	Iterate Statements to Send			Entering For Each Collection Element Action "Iterate Statements to Send".
/Tokyo/ClientStatements	Find Statements			flux.audittrail.server.ExitingTriggerEvent
/Tokyo/ClientStatements	Find Statements			flux.audittrail.server.ExecutingActionEvent
/Tokyo/ClientStatements	Find Statements			Entering File Exist Trigger "Find Statements".
/Tokyo/ClientStatements	Timer			Exiting Timer Trigger "Timer".
/Tokyo/ClientStatements	Timer			flux.audittrail.server.ExecutingActionEvent
/Tokyo/ClientStatements	Timer			Entering Timer Trigger "Timer".

