



## Lab: Using the webui

version: 1.01

The EventStoreDB webui is useful for a range of user and admin tasks.

In this lab you will explore the features of the webui.

### Step 1: Access the webui Dashboard page

For this Lab it is assumed that the EventStoreDB instance is running in insecure mode on the default port.

In codespaces start KurrentDB by running the `start_db.sh` script in the terminal.

Open a browser tab using the url presented after running `start_db.sh`.

You should see a page similar to this.

If your page is different, select the dashboard button on the top navigation bar.

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Dashboard

Snapshot

Queue Name	Length		Rate (items/s)	Time (ms/item)	Items Processed	Current / Last Message
	Current	Peak				
Index Committer	0	0	0	0.000	9	<none> / CommitAck
MainQueue	1	9	26	0.032	18234	<none> / Schedule
MonitoringQueue	0	1	1	26.802	592	GetFreshStats / GetFreshTcpConnectionStats
PersistentSubscriptions	0	3	0	0.090	704	<none> / PersistentSubscriptionTimerTick
Projection Core +	0	9	9	0.015	8126	n/a
Projections Leader	0	9	18	0.031	12475	<none> / Schedule
Redaction	0	0	0	0.000	0	<none> / <none>
Storage Chaser	0	0	81	0.012	53609	<none> / ChaserCheckpointFlush
StorageReaderQueue +	0	0	0	0.000	81	n/a
StorageWriterQueue	0	0	0	0.000	14	<none> / WritePrepares
Subscriptions	0	3	0	0.058	671	<none> / CheckPollTimeout
Timer	16	66	56	0.036	38224	<none> / ExecuteScheduledTasks
Workers +	0	0	1	0.011	1355	n/a

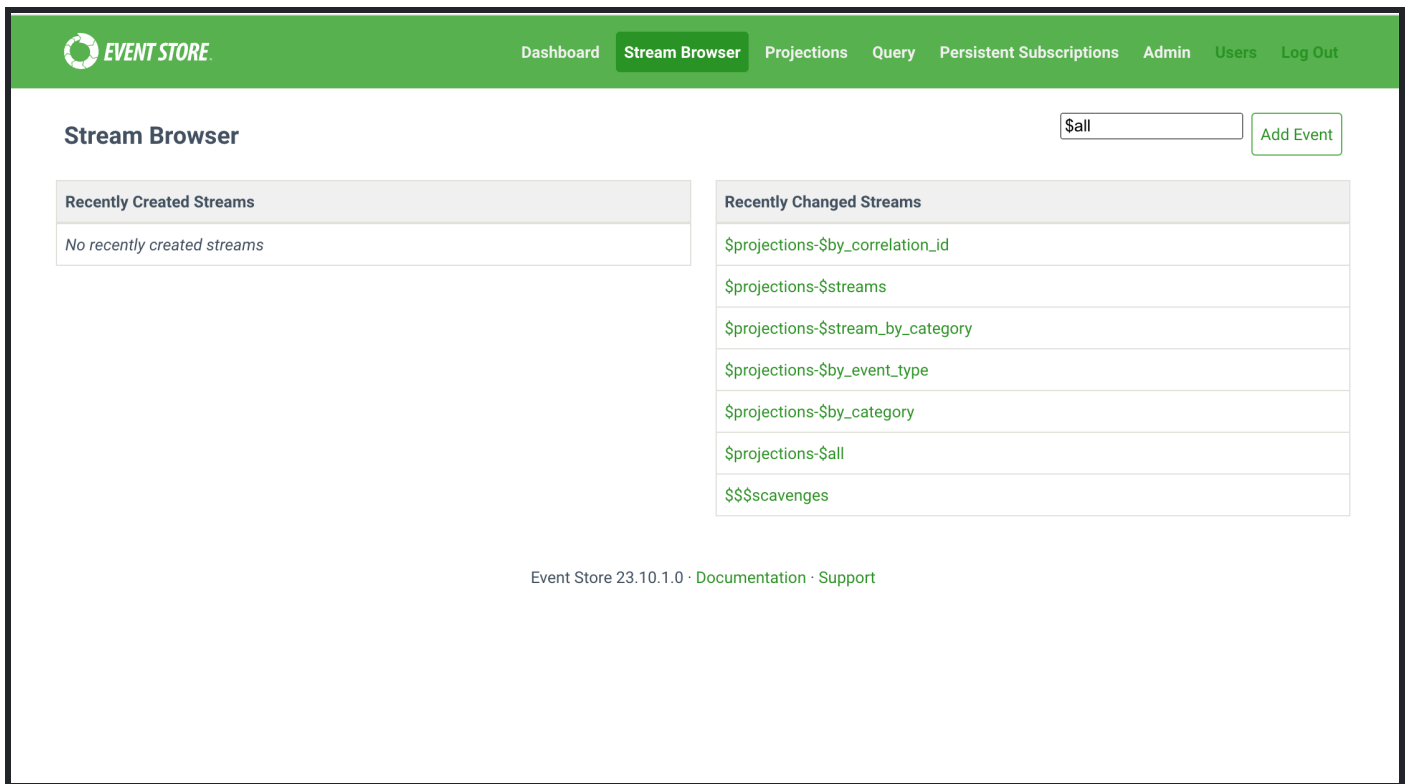
## Overview of the Dashboard Page.

This page presents a summary of the internal worker processes on the Server.

## Step 2: Access the Stream Browser

Click on the Stream Browser button in the top Navigation panel to view the Stream Browser.

Your page should look similar to the page below.



## Notes

If your database is in production use there will be many streams.

Typical stream design pattern is fine grained streams.

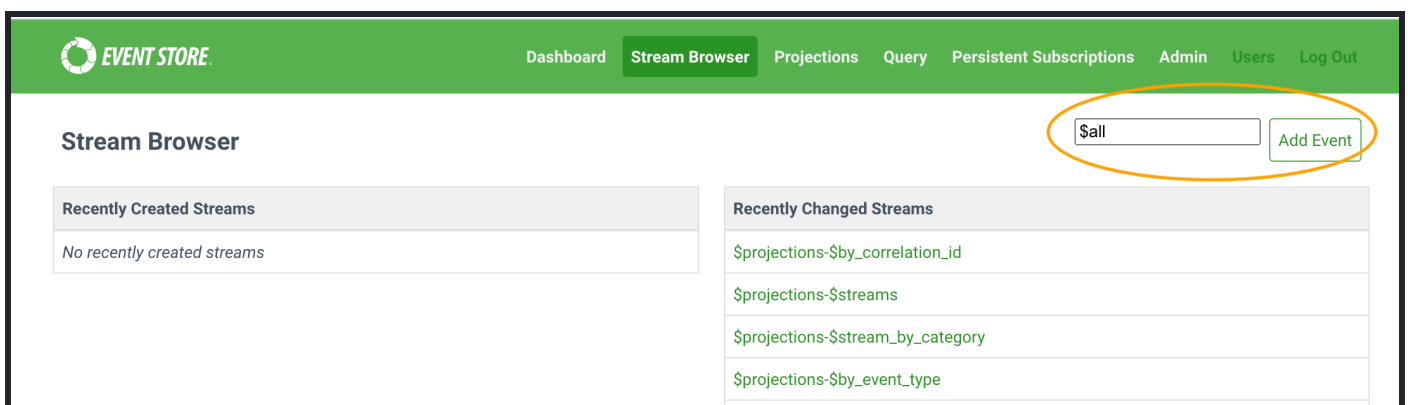
This will be a very crowded page. You can access a stream if you know the name by using a direct url.

```
http://<YOUR_URL>:2113/web/index.html#/streams/<YOUR_STREAM_NAME>
```

## Step 3: Add an Event to a stream

The add event feature of the stream browser page can be used to add events.

Select the "add event" button.



The image below highlights the fields that you need to edit.

1. StreamID
2. Event Type
3. Data (json formatted)

New Event

Stream ID

Lab

Event ID

14716157-6157-6157-6157-173214716157

Event Type

Lab

Data

1 { "name": "your name" }

2 { }

Click the “ADD” button is at the bottom left of the page.

## Step 4: View the Event in the “Lab” stream

Return to the stream browser. The Lab stream should be at the top of Recently Changed Streams.

Select the stream, and view the event you have just added.

Note the convenient “Add New Like This” button, circled in the image below.

0@Lab

Add New Like This

Back

prev

next

No	Stream	Type	Timestamp
0	Lab	Lab	2024-11-20 19:10:07

Data

{  
 "name": "your name"  
}

Metadata

{ }

## Step 5: View the Projections page

Using the top navigation bar, select Projections to view the projections page.

The projection page can be used to enable or disable system projections.

It can also be used to create a custom projection.




Projections

Disable All

Enable All

Include Queries

New Projection

Name	Status	Checkpoint Status	Mode	Done	Read / Write in Progress	Write Queues	Partitions Cached	Rate (events/s)	Events	
									Processed	Buffered
\$by_category 	Stopped	-	Continuous	-1.0%	0 / 0	0 / 0	1	0.0	0	0
\$by_correlation_id 	Stopped	-	Continuous	-1.0%	0 / 0	0 / 0	1	0.0	0	0
\$by_event_type 	Stopped	-	Continuous	-1.0%	0 / 0	0 / 0	1	0.0	0	0
\$stream_by_category 	Stopped	-	Continuous	-1.0%	0 / 0	0 / 0	1	0.0	0	0
\$streams 	Stopped	-	Continuous	-1.0%	0 / 0	0 / 0	1	0.0	0	0

### A note about projections and queries.

- There are three types of projections
1. Continuous Projections, which will continue to run and listen to new event event after reaching the end of the stream.
  2. One Time projection runs until the end of the stream and stops. But can be re-run later
  3. Query projections are just transient projections that will run until the end of the stream, write the result and then be deleted after certain period of time

The query tab is used to create a query, this lab will not cover the query tab.

### Step 6: View the Persistent Subscriptions Page

Persistent subscriptions allow an application to subscribe to a stream and when events are appended to that stream they are pushed to the subscriber.

The server maintains the state of the subscription, tracking which events have been received, and which events have not been received, and sending the appropriate events.

EVENT STORE

Dashboard

Stream Browser

Projections

Query

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New Subscription

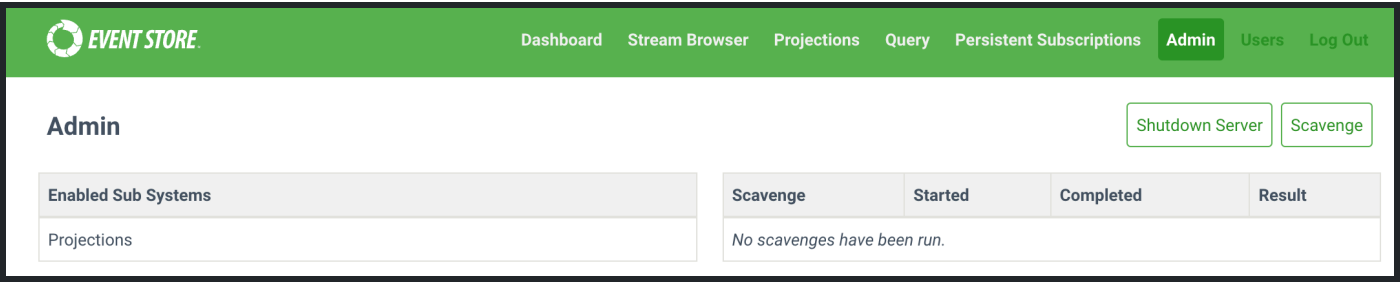
Stream/Group(s)	Rate (messages/s)	Messages			Connections	Status # of msgs / estimated time to catchup in seconds
		Last Known	Checkpoint	# in Flight		

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# Step 7: View the Admin Page

Select the admin button on the top navigation panel to view the Admin Page

The admin page can be used to shutdown the server, or start a scavenger.



## Summary

Congratulations !! You are now more familiar with the features of the EventStoreDB webui.

Please note that on a secure cluster, and on a multinode cluster there are additional features available