

Enabling the Hystrix Dashboard

Step-1: create a separate application with the name "hystrics-dashboard" as shown below:

▲ № hystrics-dashboard [boot] ▷ D .mvn > > .settings Src x .classpath gitignore. x .project mvnw mvnw.cmd mx.moq With the startes below: <dependency> <groupId>org.springframework.cloud <artifactId>spring-cloud-starter-netflix-hystrix</artifactId> </dependency> <dependency> <groupId>org.springframework.cloud <artifactId>spring-cloud-starter-netflix-hystrix-dashboard</artifactId> </dependency>

Note:

Hystrix dashboard will use freemarker template engine to render its dashboard. Hence it will down load the latest version of free marker dependency in to our maven local repository. If it is not downloadable by maven , the explicitly pass it as maven dependency in pom .xml file as shown below

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```
/dependency>
```

<u>Step-3</u>: add @EnableHystrixDashboard annotation on application java class as shown below.

```
@SpringBootApplication
@EnableHystrix
@EnableHystrixDashboard
public class FmpHystrixDashboardApplication {

    public static void main(String[] args) {
        SpringApplication.run(FmpHystrixDashboardApplication.class, args);
    }
}
```

<u>Step-4:</u> configure the application name and port as shown below. Hystrix dashboard will start up on the default port 9999.

```
1 spring.application.name=hystrix-dashboard
2 server.port=9999
3
4 hystrix.dashboard.proxy-stream-allow-list=localhost
```

Step-5:

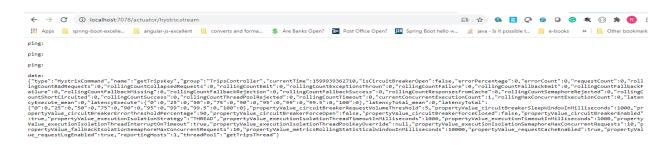
Hystrix Dashboard

As we have added hystrix dashboard dependency, hystrix has provided a nice Dashboard and a Hystrix Stream in the bellow URLS:

<u>http://localhost:7075/hystrix.stream</u> –Here as doctor-service is enabled with Circuit Breaker, a continuous stream Hystrix will generates on it to check health and being monitored by Hystrix.

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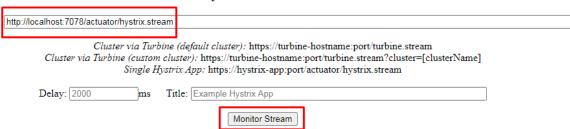




run the service and open the url http://localhost:9999/hystrix. the following dash board will be opened.



Hystrix Dashboard



Here in dash board to see the stream of trips-service I.e. failure services etc, give the trips-service stream url I.e. http://localhost:7075/hystrix.stream in the bar above and give the application-name I.e.trips-service as Title and click on Monitor stream. Now we should see the stream as below:

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Hystrix Stream: http://localhost:7078/actuator/hystrix.stream



If there are continuous failures, then the circuit status will be changed to open. This can be done by hitting the preceding URL a number of times. In the open state, the original service will no longer be checked. The Hystrix Dashboard will show the status of the circuit as **Open** and **Closed**. Once a circuit is opened, periodically, the system will check for the original service status for recovery. When the original service is back, the circuit breaker will fall back to the original service and the status will be set to **Closed**.

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