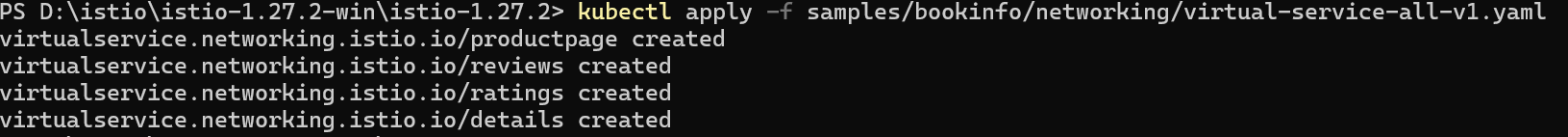
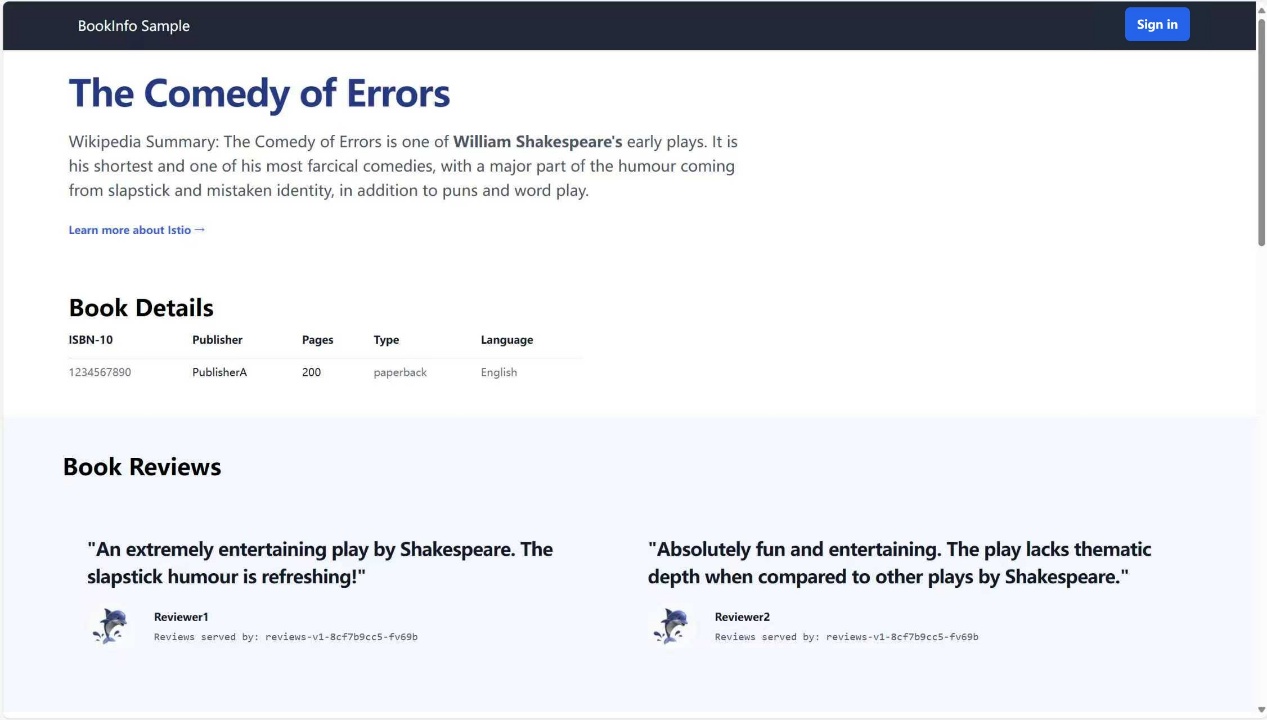
**Traffic Shifting**

**Apply weight-based routing**

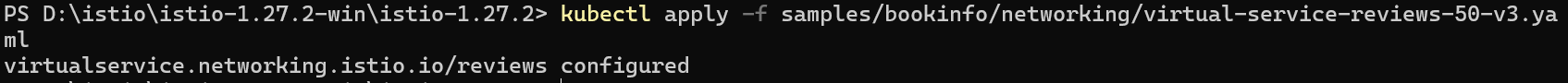
route all traffic to the v1 version



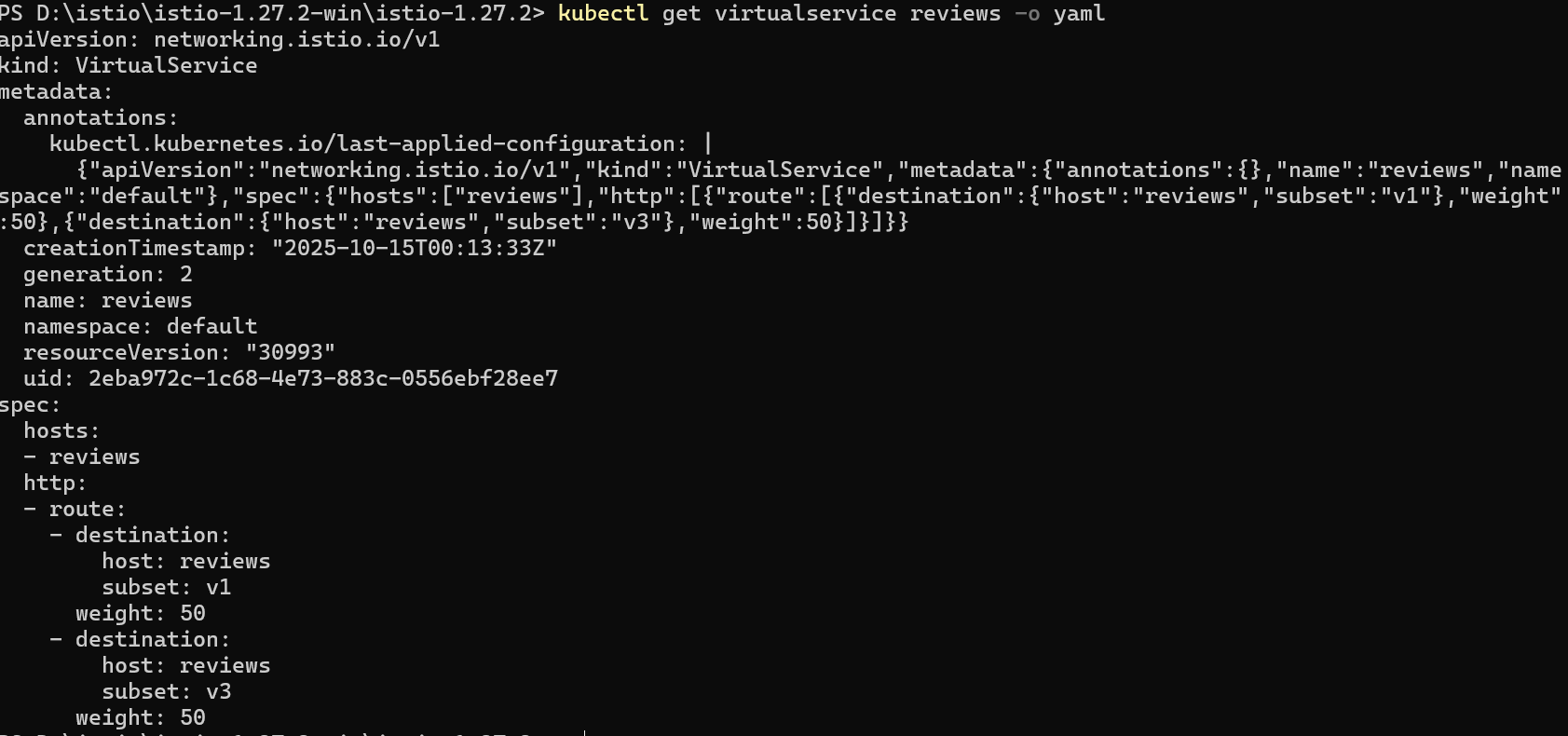
Open the Bookinfo site



Transfer 50% of the traffic from reviews:v1 to reviews:v3

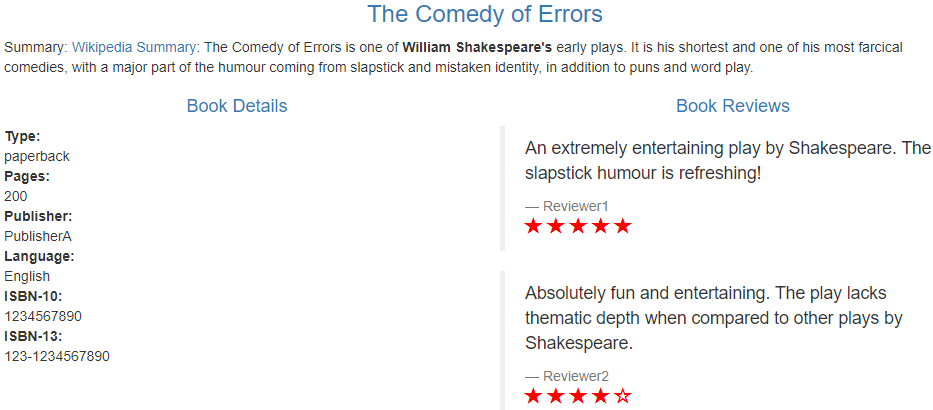


confirm the rule was replaced



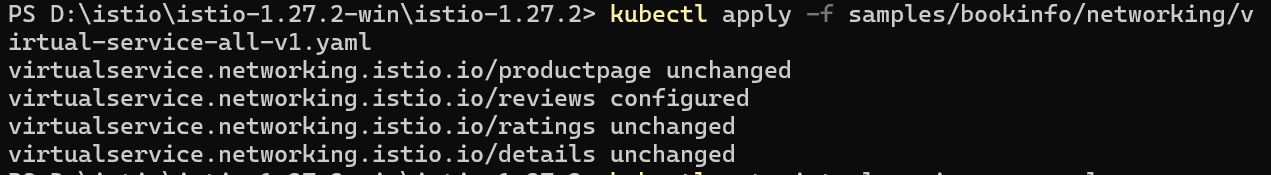
route 100% of the traffic to reviews:v3



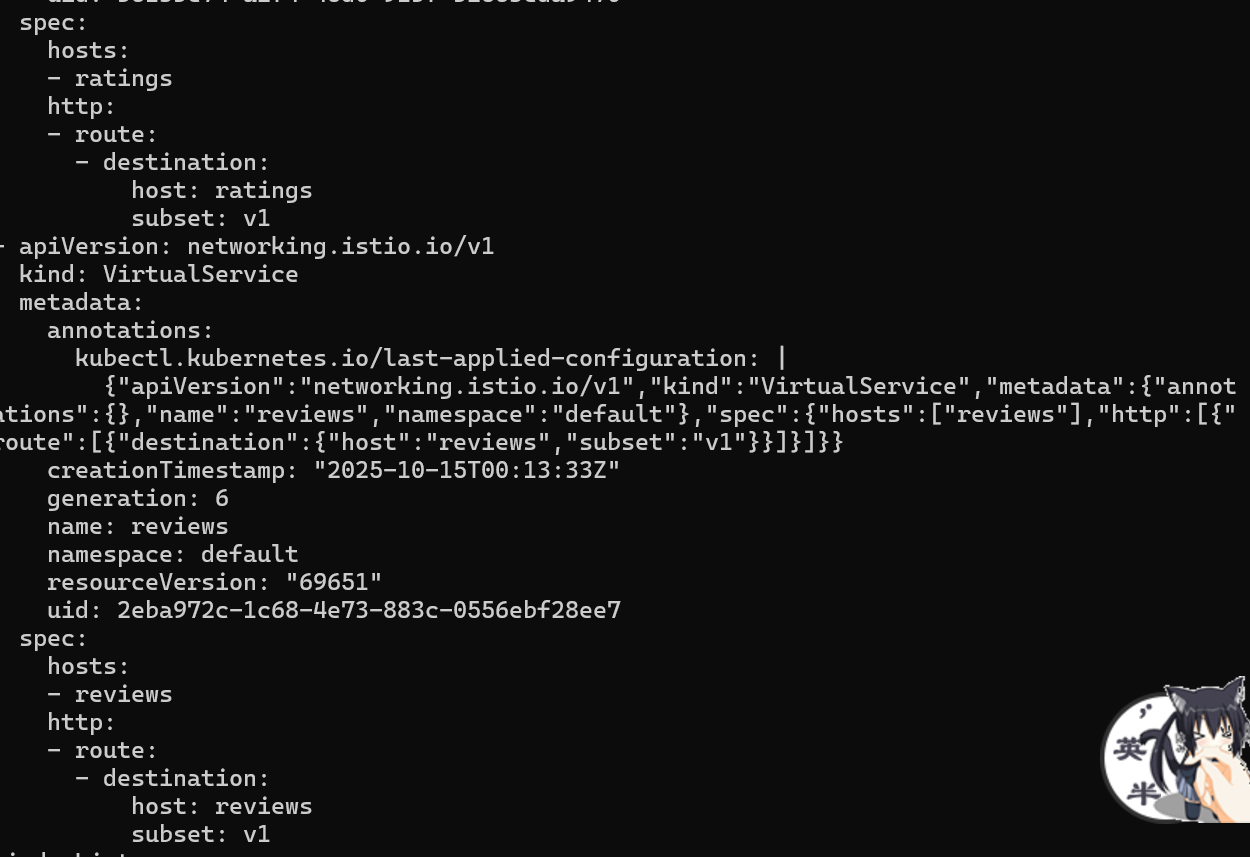


**Request Routing**

 Run the following command to apply virtual services that will route all traffic to v1 of each microservice

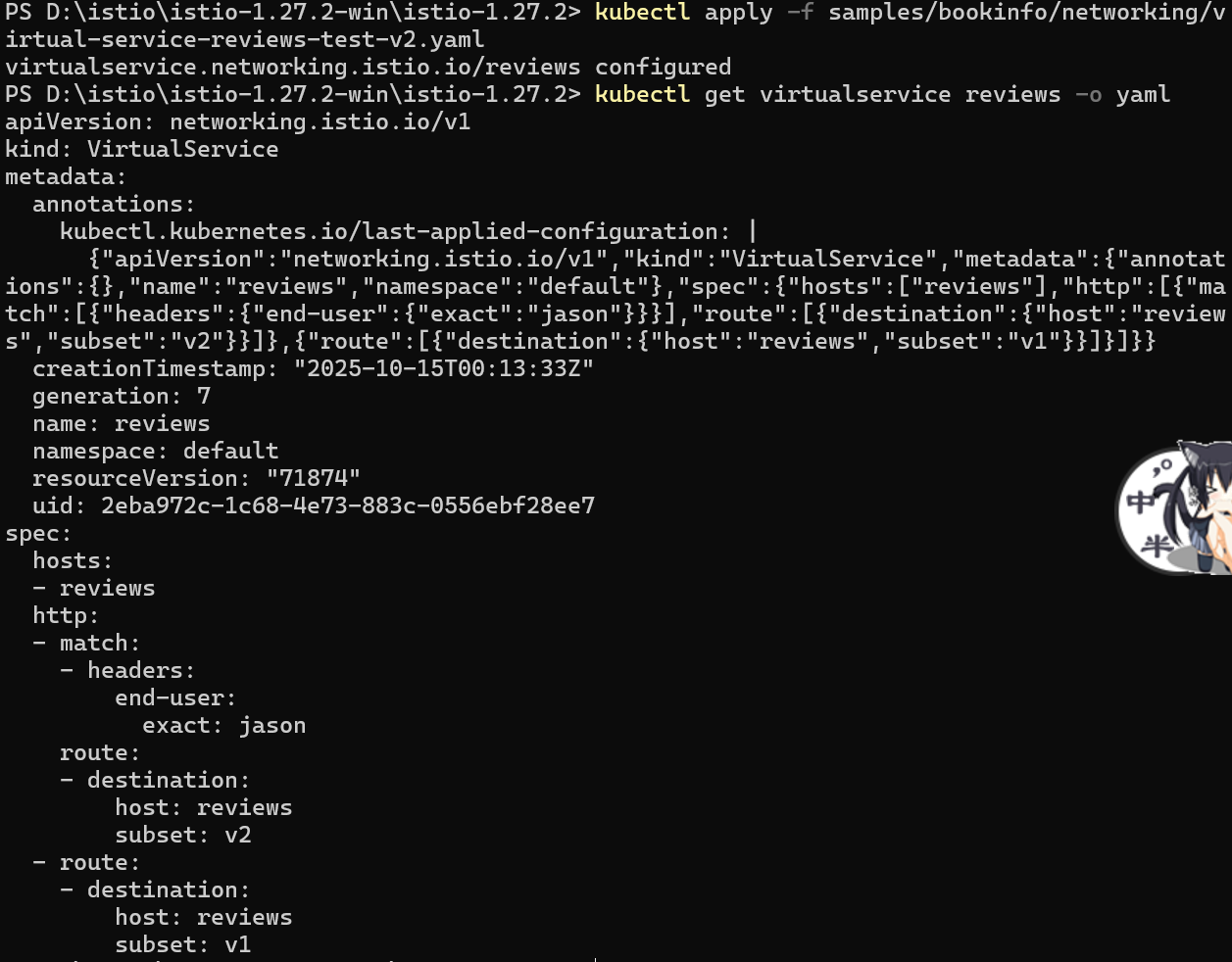


Display the defined routes

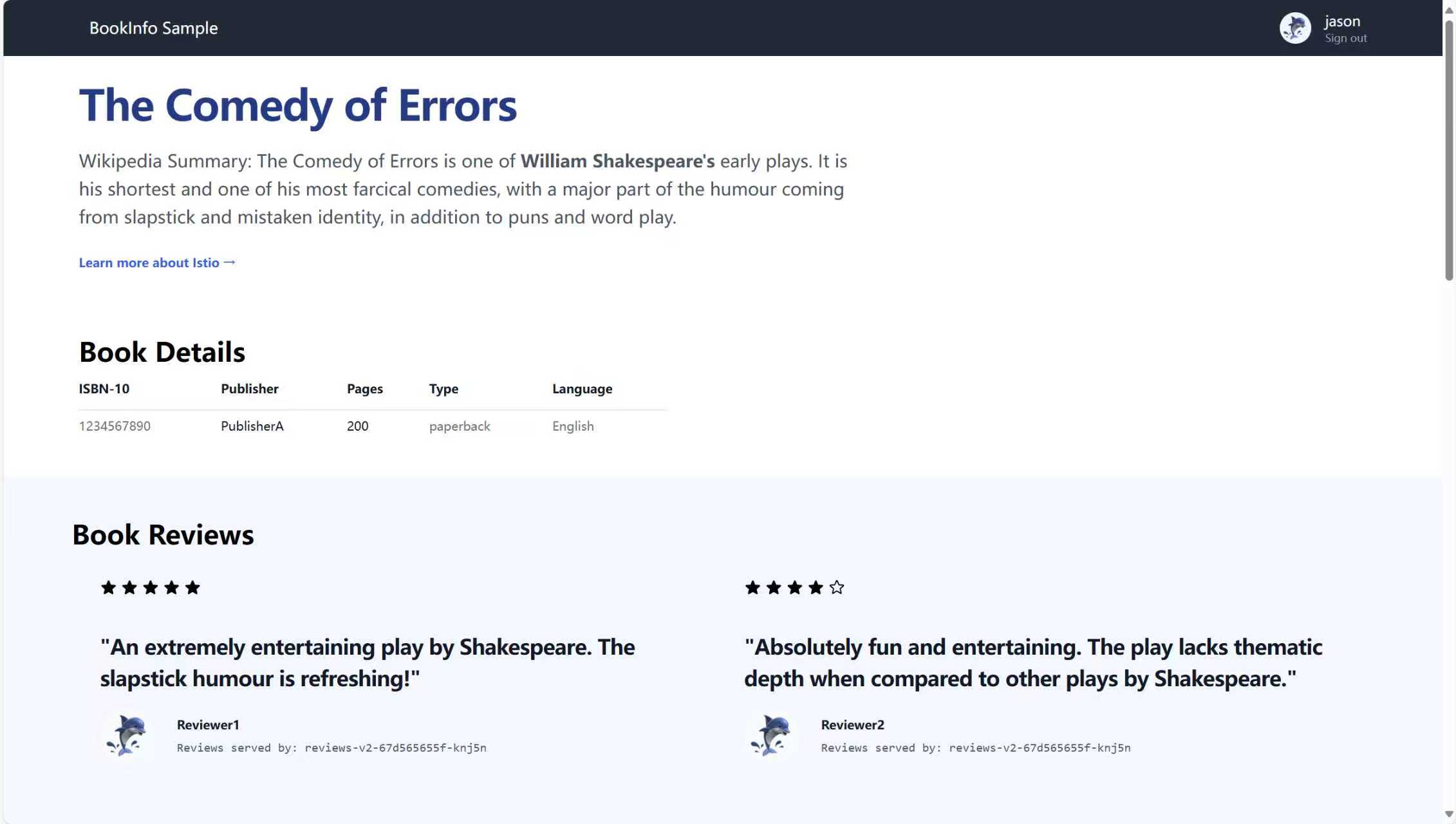


**Route based on user identity**

Run the following command to enable user-based routing

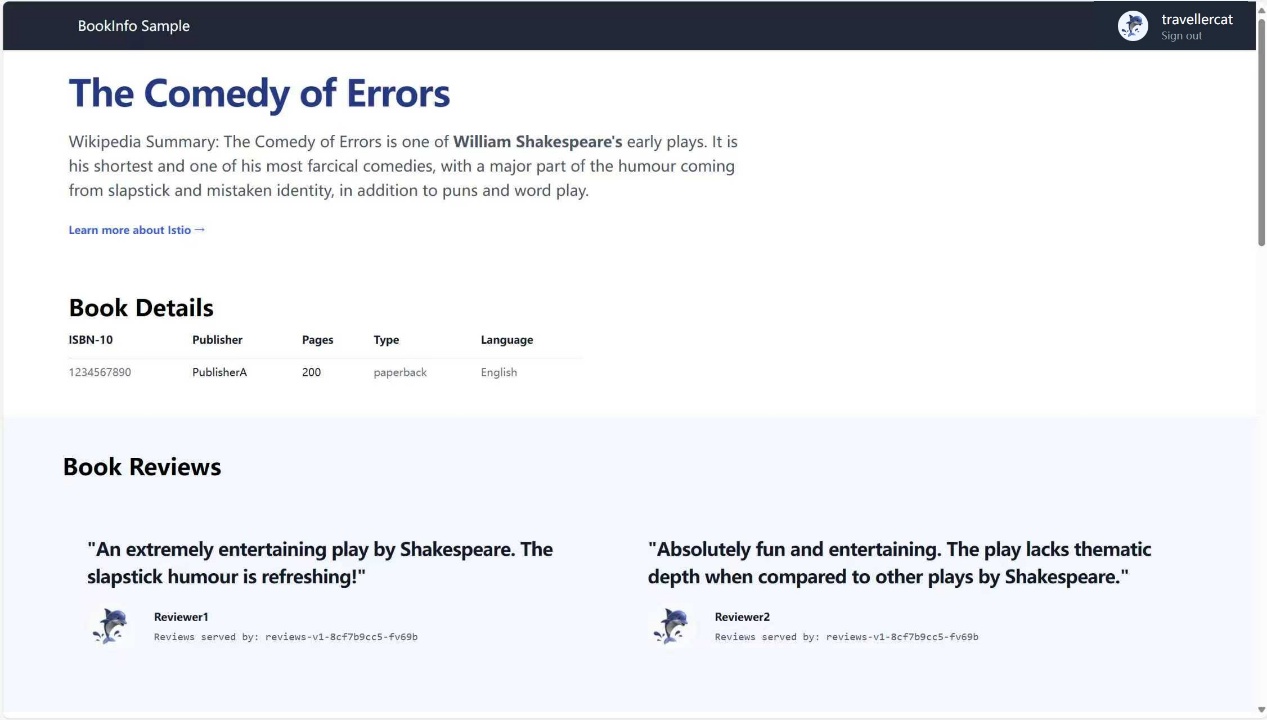


On the /productpage of the Bookinfo app, log in as user Jason



Log in as another user

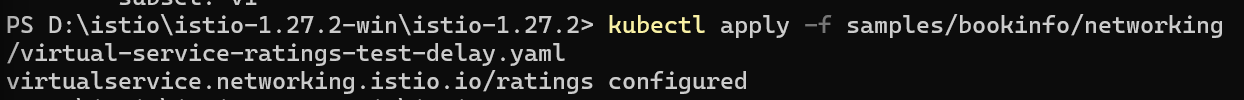
Refresh the browser. Now the stars are gone.



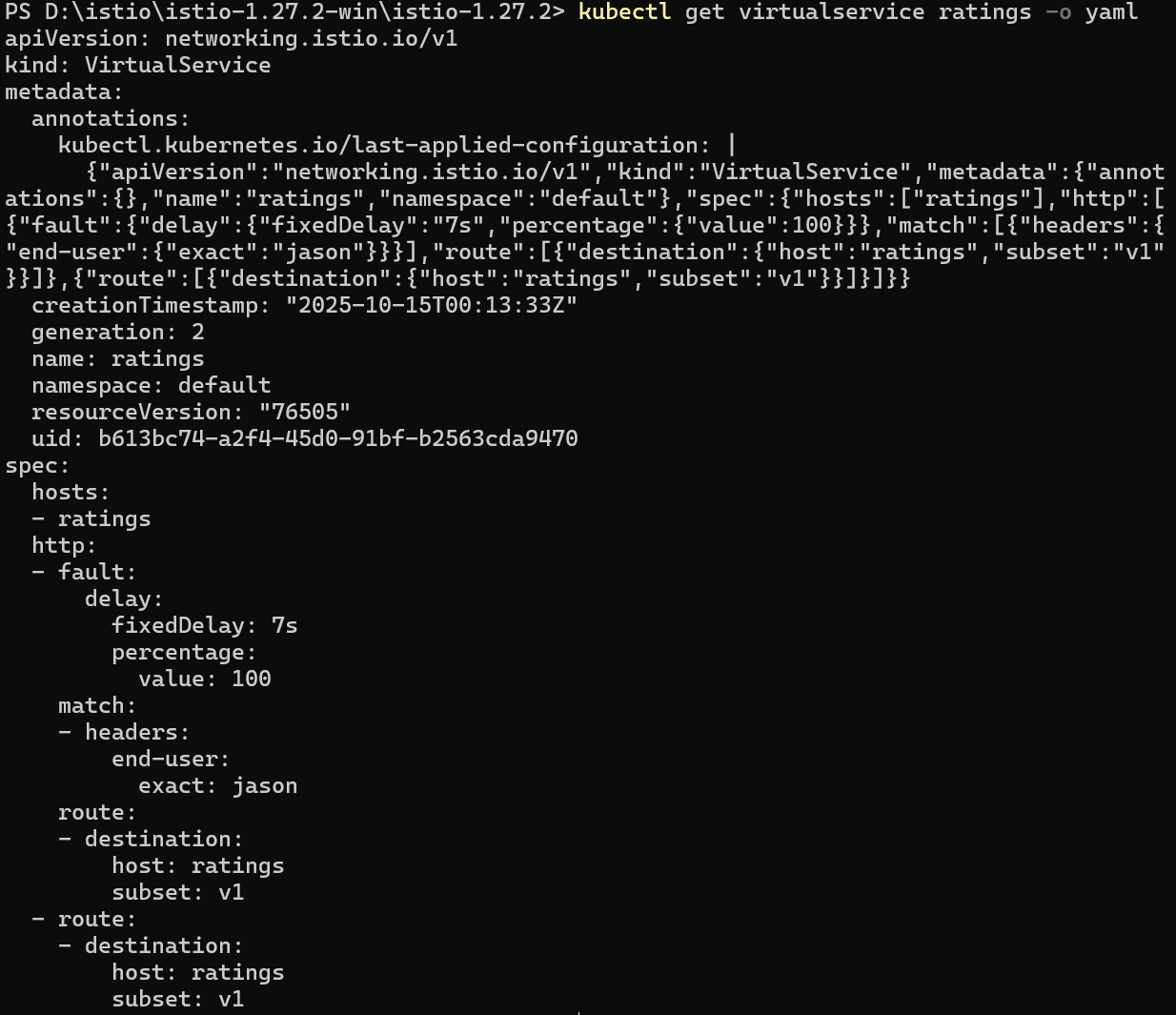
**Fault Injection**

**Injecting an HTTP delay fault**

Create a fault injection rule to delay traffic coming from the test user Jason

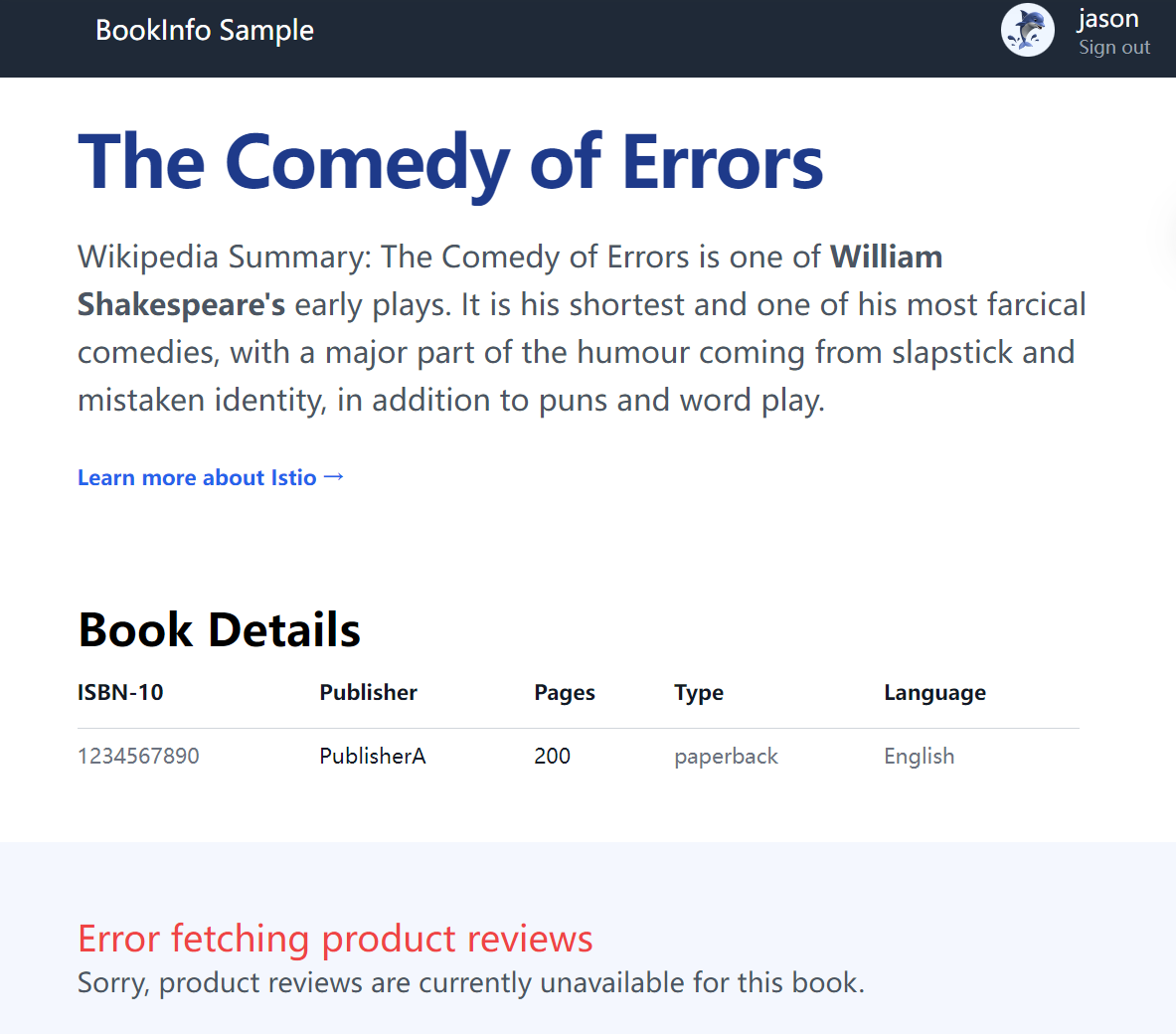


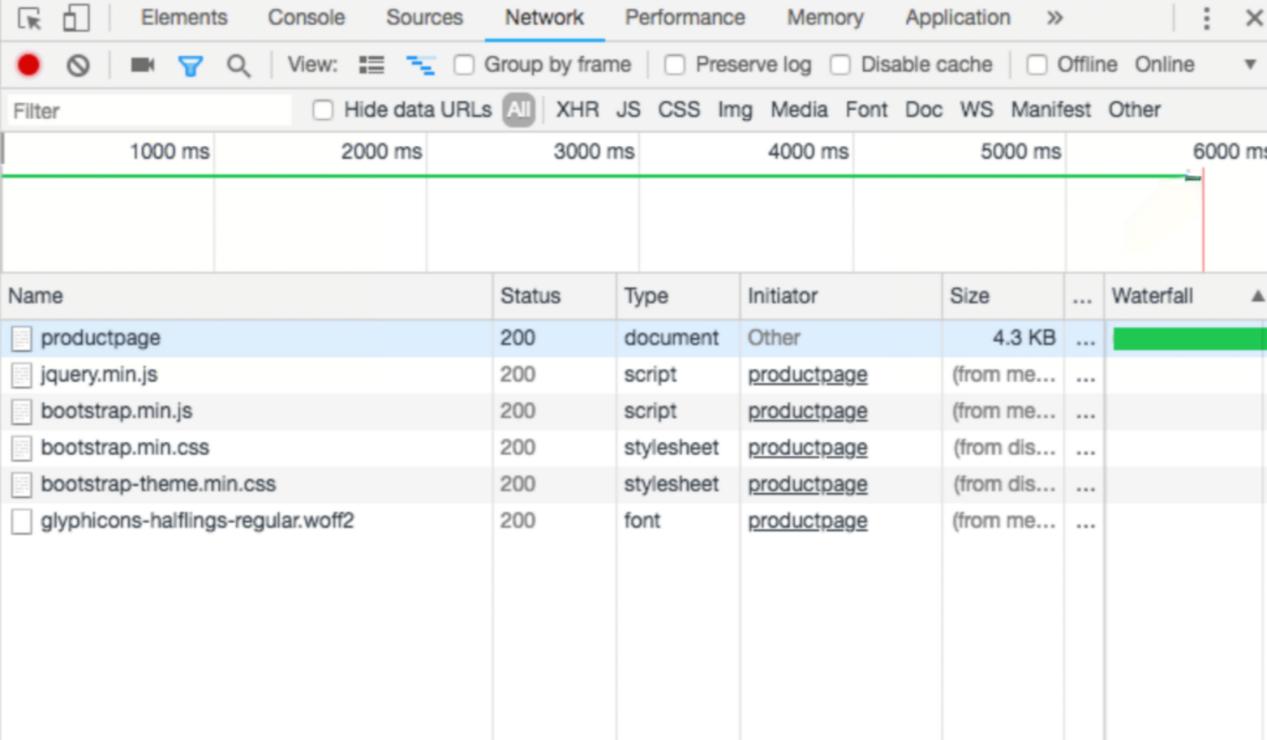
Confirm the rule was created



**Testing the delay configuration**

Open the [Bookinfo](https://istio.io/latest/docs/examples/bookinfo/) web application in browser，log in as user Jason

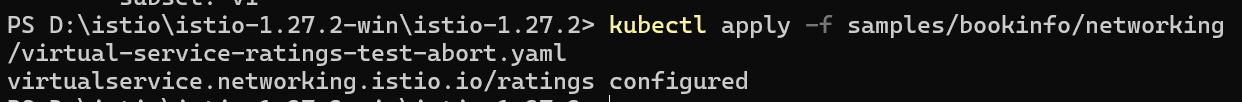




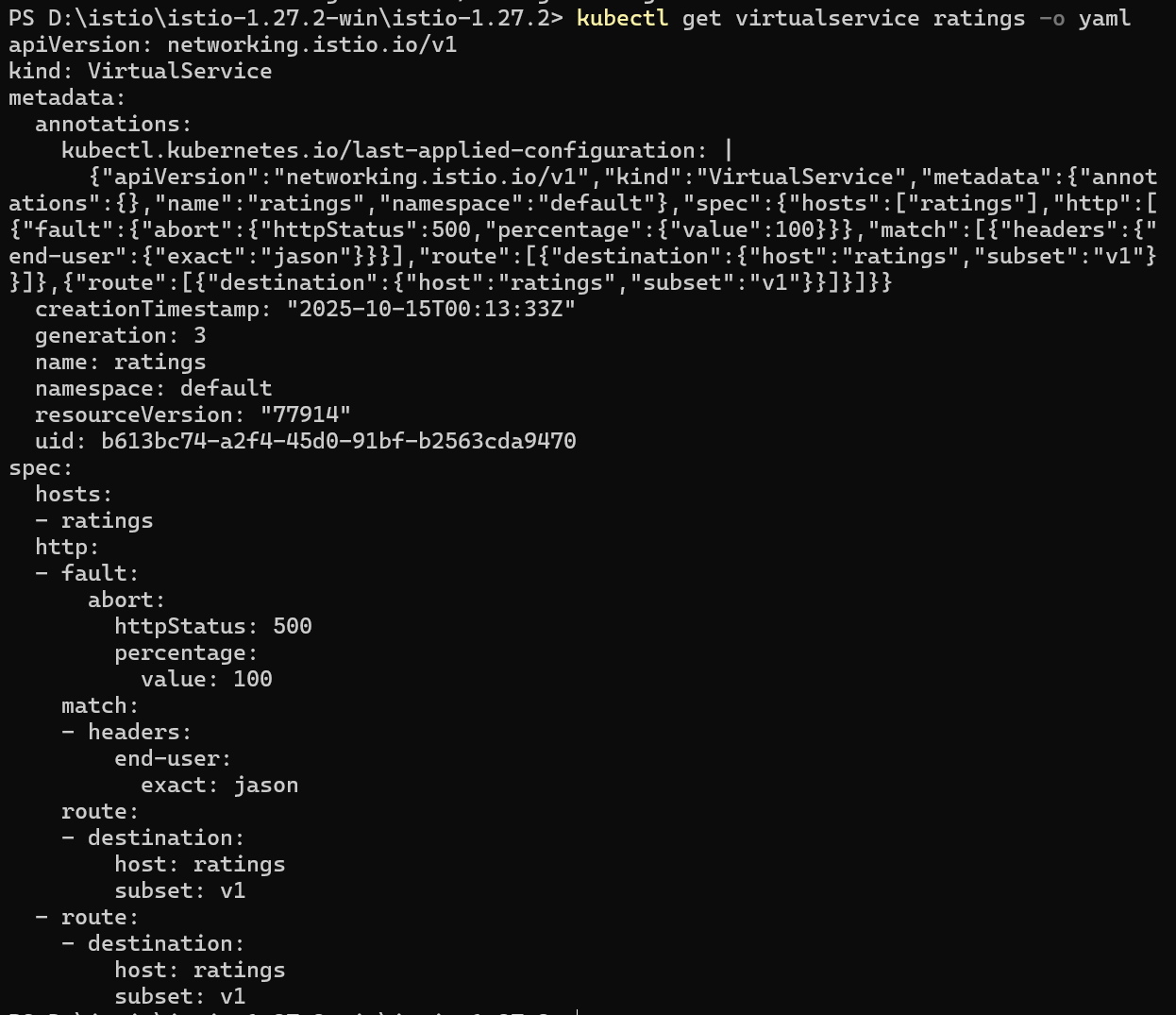
Fixing the bug

**Injecting an HTTP abort fault**

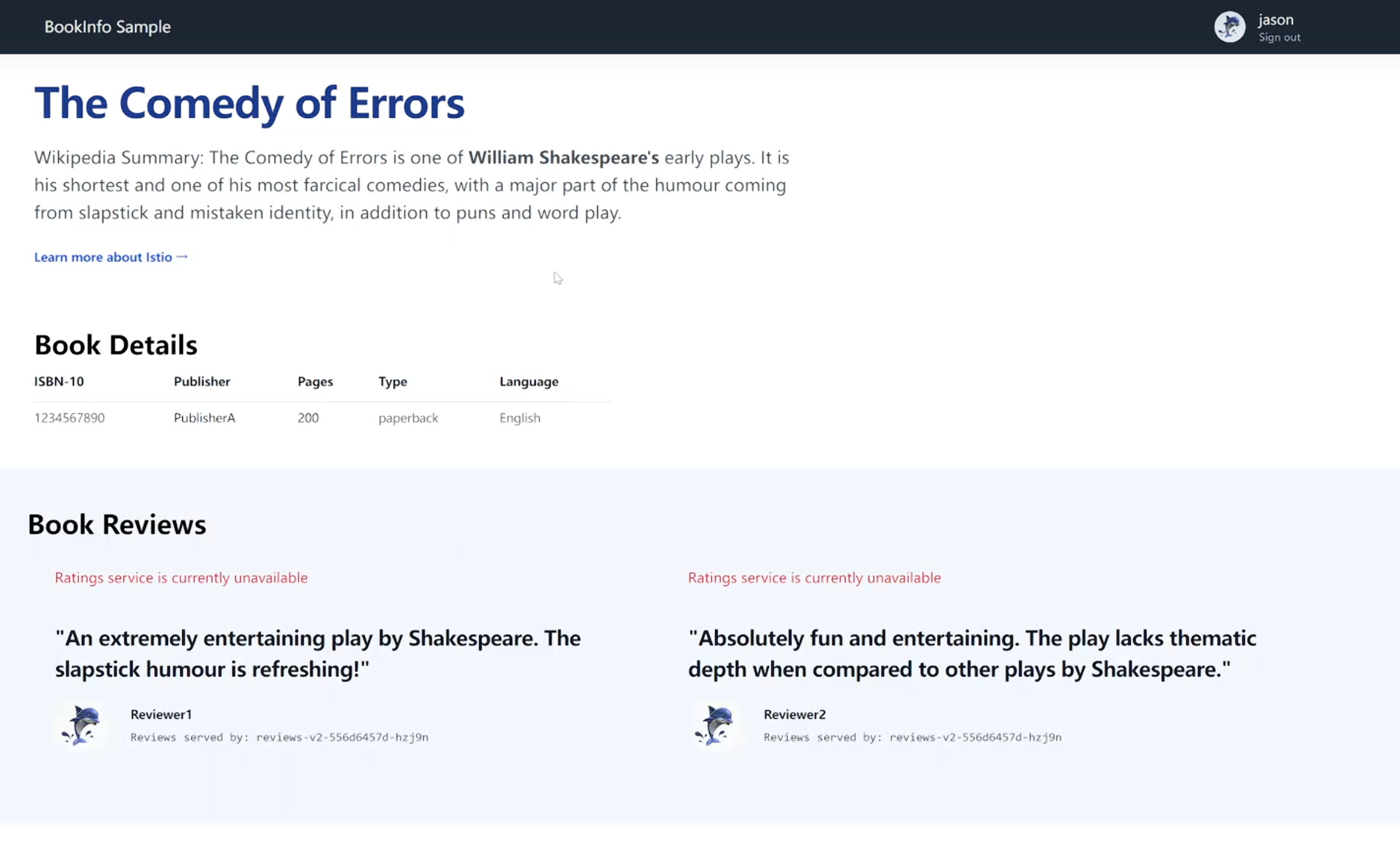
Create a fault injection rule to send an HTTP abort for user jason



Confirm the rule was created:



**Testing the abort configuration**

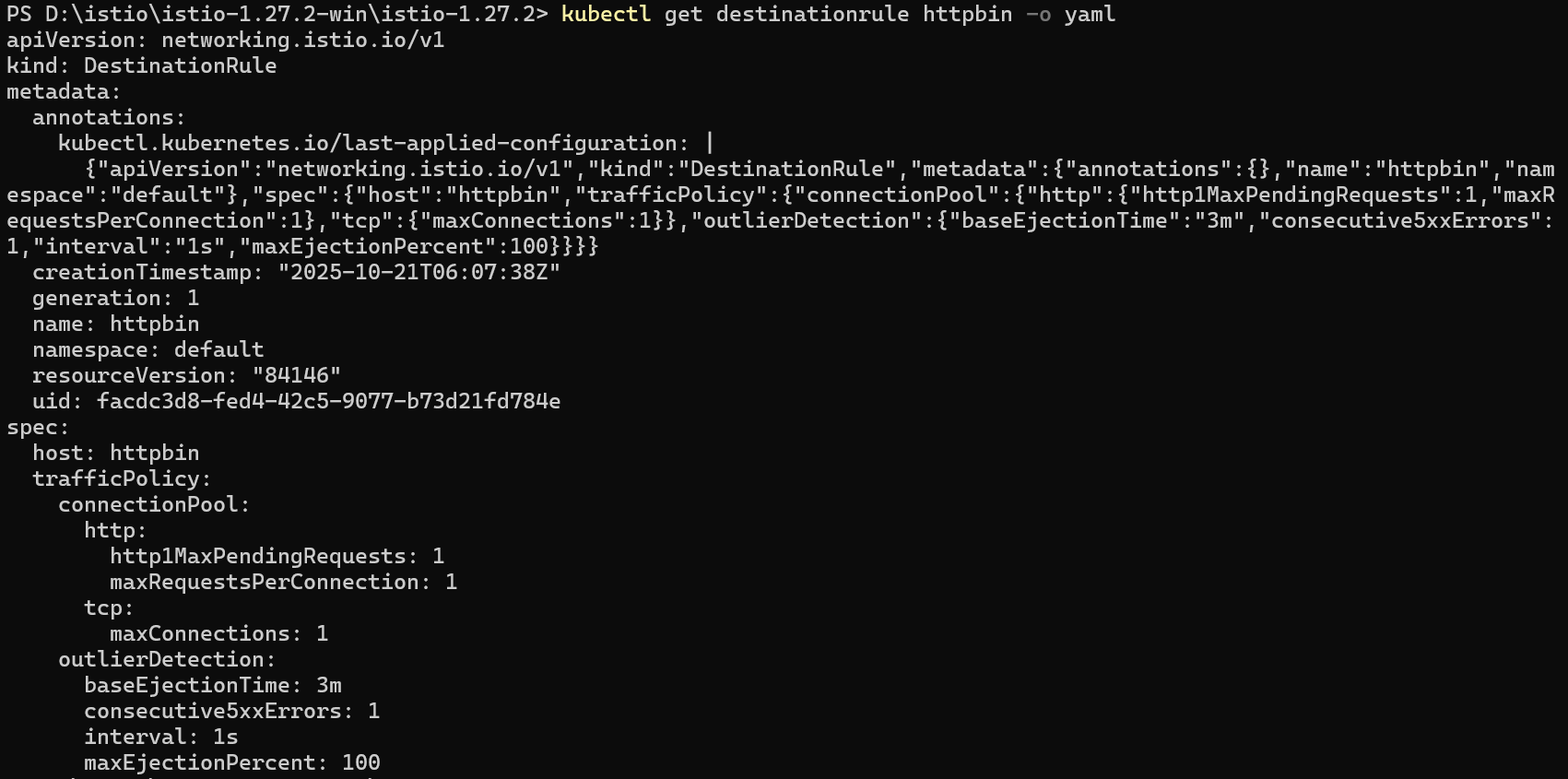


**Circuit Breaking**

Create a [destination rule](https://istio.io/latest/docs/reference/config/networking/destination-rule/) to apply circuit breaking settings when calling the httpbin service

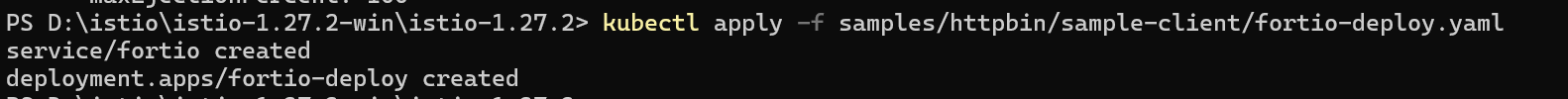


Verify the destination rule was created correctly

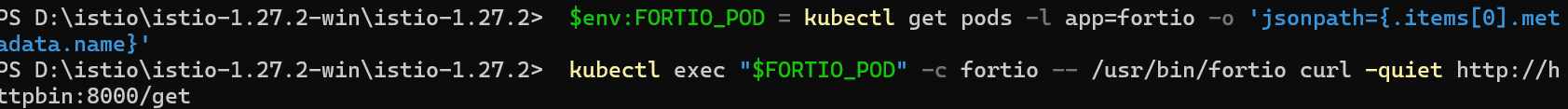


**Adding a client**

deploy the fortio service

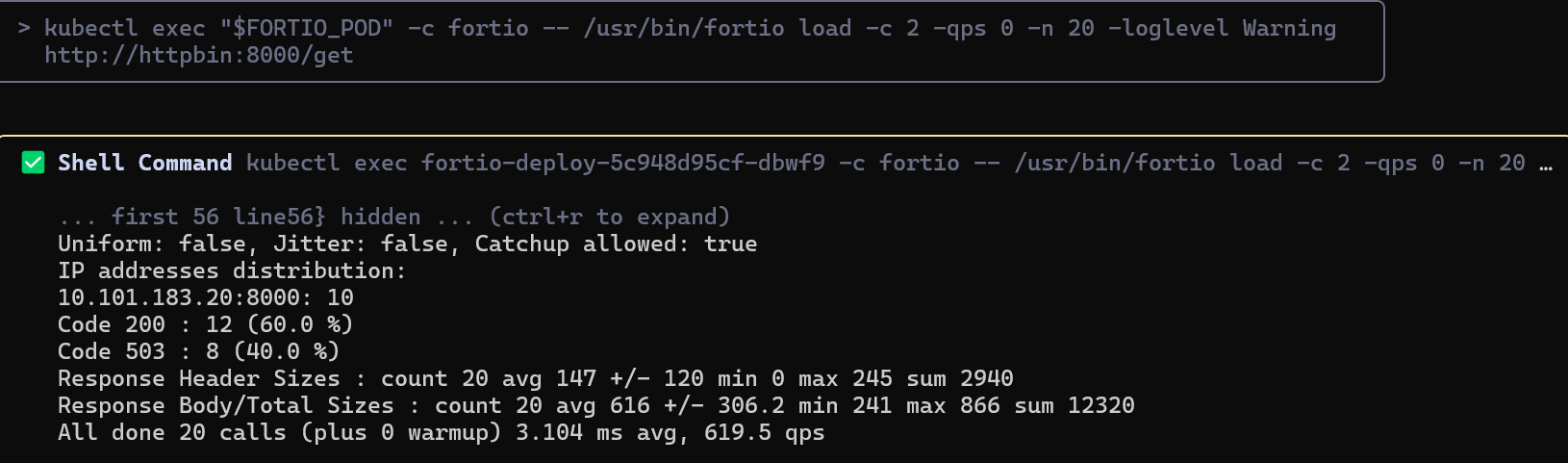


Log in to the client pod and use the fortio tool to call httpbin. Pass in curl to indicate that you just want to make one call

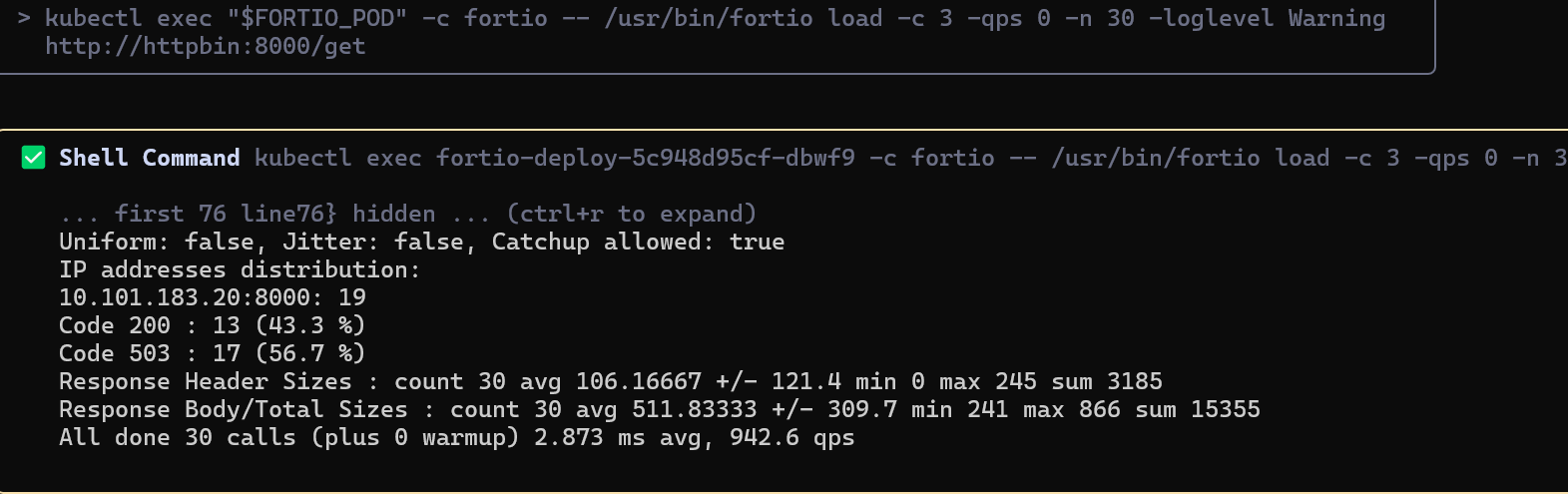




Tripping the circuit breaker



Bring the number of concurrent connections up to 3



Query the istio-proxy stats to see more

