

BDML-Checkpoint 1

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1. Docker files and K8S deployment files

I deployed the [Bookinfo application](#) provided by Istio documents on Microk8s environment. The docker files can be found at the following paths:

- <https://github.com/CaoYuanpu/BDML-CP/blob/master/checkpoint1/bookinfo/src/details/Dockerfile>
- <https://github.com/CaoYuanpu/BDML-CP/blob/master/checkpoint1/bookinfo/src/mongodb/Dockerfile>
- <https://github.com/CaoYuanpu/BDML-CP/blob/master/checkpoint1/bookinfo/src/mysql/Dockerfile>
- <https://github.com/CaoYuanpu/BDML-CP/blob/master/checkpoint1/bookinfo/src/productpage/Dockerfile>
- <https://github.com/CaoYuanpu/BDML-CP/blob/master/checkpoint1/bookinfo/src/ratings/Dockerfile>
- <https://github.com/CaoYuanpu/BDML-CP/blob/master/checkpoint1/bookinfo/src/reviews/reviews-wlpcfg/Dockerfile>

The k8s deployment file can be found at <https://github.com/CaoYuanpu/BDML-CP/blob/master/checkpoint1/bookinfo/platform/kube/bookinfo.yaml>.

2. Trace samples

Figure 1 shows the Bookinfo application I deployed on Microk8s. Figure 2 and Figure 3 present the traces collected by Istio and the detail information of one trace sample, respectively.

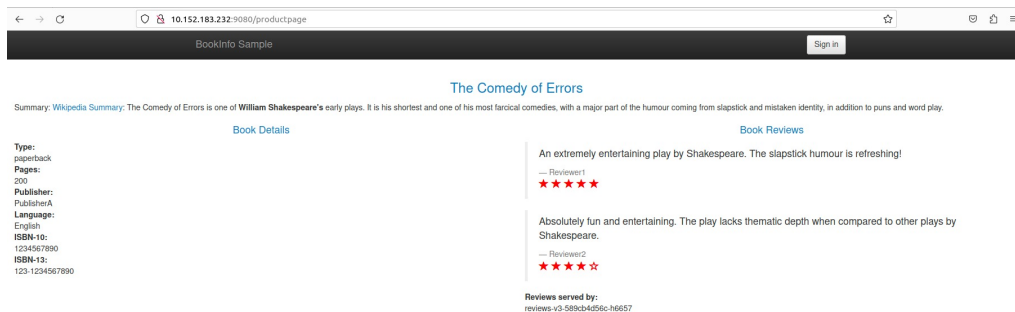


Figure 1: The Bookinfo application deployed on Microk8s.

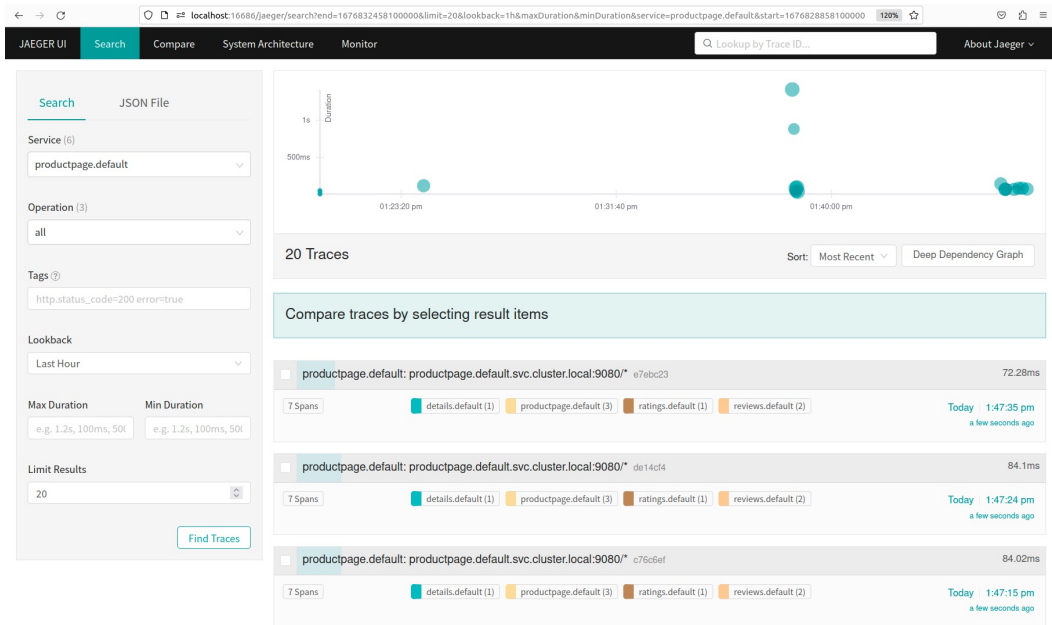


Figure 2: The traces collected by Istio.

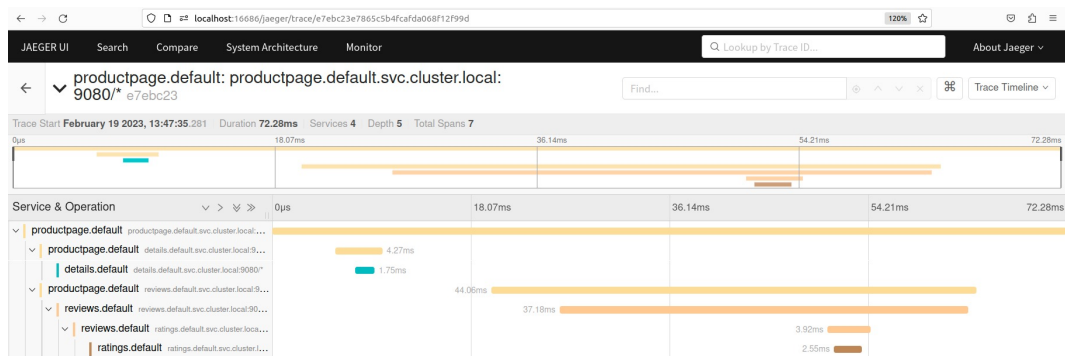


Figure 3: The detail of one trace sample which contains 7 spans.