Theme: Shanghai library FOLIO project
Time: November 24, 2020 07:00pm (EST) / November 25, 2020 08:00am (GMT+8)

Attendees:
Vincent Bareau (Enterprise Architect, EBSCO)
Gang Zhou (Project manager, Shanghai library)
Sha Jiang (Technical Director, Jiatu)
Lucy Liu (Product Owner, Folio China)

Notes:

1. Experts sharing hands-on experience with K8S and Rancher
Gang Zhou: We will schedule the trial run at SHL and need to decide what environment to deploy for our circulation modules. So we want to get some professional assistance from the community.
Vince:
- @Jason Root can definitely help. Jason is the most knowledgeable in this area and is the one who started it all. Lucy has reached out to him on Slack.
- The Scratch environments for development teams to work from is based on Kubernetes stack. That work is being presented or organized through the Systems Operations and Management SIG. (Lucy's note: Dev Scratch Environment, slides-see attachment, deployment)
- The SysOp Group is where people get together to discuss Kubernetes and Rancher. Communications happen:
  - On Slack channels: **#sys-ops** and **#kubernetes**
  - On wiki: https://wiki.folio.org/display/SYSOPS/Systems+Operations+and+Management+SIG+Home
  - In group meetings: Meetings are held on Fridays at 10:00am Eastern U.S. time, that will be Fridays at 11pm Shanghai time. The meeting is open to all. (Lucy's note: Please follow the instructions below to join the meetings.)

    Please join us via Zoom from PC, Mac, Linux, iOS or Android: https://zoom.us/j/591934220

    Or mobile phone one-tap (US Toll): +16465588656,591934220# or +14086380968,591934220#

    Or Telephone:

        Dial (for higher quality, dial a number based on your current location)

        US Toll: +1 646 558 8656 or +1 408 638 0968

Meeting ID: 591 934 220

International numbers available:
https://zoom.us/zoomconference?m=Uz8gOxV-yqHRNcWlZKa4trK_0dP7WPfp

Lucy: @Jason Root agreed to meet with the Shanghai team the 1st week of December to discuss k8s and Rancher. Who else do you think might be able to help?

Gang Zhou: Are there other experts on k8s and rancher from EBSCO, Index Data or other institutions?

Vince:
- EBSCO doesn't use K8s or Rancher.
- The person from Epam who is knowledgeable in this area probably has left the program, not 100% sure.
- **Wayne Schneider** from Index Data worked with Vince and Jason to put together some of the documentation for kubernetes in the past. But Wayne and anyone else from Index Data are very busy.

Lucy: Do we need to send out a survey to all the implementers to collect their experience?

Vince: I don't think it will provide anything new. The SysOp SIG has attempted to do that before. There is a section where each of the implementers described their setup. The community would be interested in knowing your setup at SHL because of the size and volume that you have in users, inventory, and everything else. I think a lot of people are curious as to what your experience is, so this is a great opportunity to share your experience. If you can have a conversation and exchange information back and forth, that would probably be the most efficient way to get help. (Lucy's note: Deployment Environments in SIG members' institutes; Deployment Environments (general overview))

Gang Zhou: We will share information and experience in the future.

Sha Jiang: How does EBSCO run folio on Amazon AWS? Any additional information on this?

Vince: We don't publicly share this information with the community. We take the docker images that we produce for the project, same as the case with Kubernetes. We manage our deployment using Jenkins. And we coordinate the management of the containers using Amazon ECS. That's a pretty straightforward implementation according to the best practices of Amazon. We use AWS and ECS because we started early, before Jason started Kubernetes. We need to revisit it and catch up. But there is no plan yet to do that. I think Kubernetes is better.

2. Do we have demos or tutorials for Spring Way?
Vince:

- The Spring Way support effort is currently underway, but it is very new. It has been only less than two weeks since we got the approval from the project.
- The team that has built Spring Way, the Epam people, are working on some other teams. And Spring Way will be used. Other use of Spring Way will probably happen in the Core-platform team.
- The ElasticSearch project is going to use Spring Way. The remote storage integration will probably also use Spring Way. They use Spring Way because they are new projects.
- The mod-password-validator module is based on Spring Way. It's a simple example. It doesn't have storage and doesn't do database work.
- The reference module, the hello Spring Way, and the tutorials that go with it is planned, but not started yet.
- Update of current modules to Spring Way won't happen soon. Spring Way is recommended for anyone who is doing new development.

Lucy: Is there a timeline?

Vince: No. It hasn't been put on anybody's development plan yet. @Taras Spashchenko will write that. But he probably won't have time to work on it until late December.

Lucy: Will that affect the schedule for trial run or upgrade to the new release?

Gang Zhou: No, I don't think it will affect the trial run.

Vince: How's the Shanghai team doing? Any progress?

Gang Zhou: We will start the trial run in February 2021. We are doing data conversions and server installation and are testing functions. So it's urgent for us to make decisions on k8s and rancher.

Sha Jiang: Are there other choices?

Vince: ECS and EKS are discussed most.