Egeria Dojo update

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Egeria Maintainer
Egeria Dojo - what we have

› We ran a 3 day event in May 26-28 2020.
› This took the form of a web conference
› All the material is in git
› It has become a go-to starting point for getting to grips with Egeria in a hand on self paced course. Especially useful for people expressing interest in becoming an Egeria contributor
› https://egeria.odpi.org/open-metadata-resources/open-metadata-tutorials/egeria-dojo/
› https://egeria.odpi.org/developer-resources/badges/

• Day 1: Learning about setting up and running Egeria on your own machine.
• Day 2: Learning how to make a contribution to Egeria
• Day 3: Learning how to become either an advocate or a maintainer

The sessions are color-coded like ski runs.
Time for a review and update and a re-imagine

- We are moving the documentation to https://odpi.github.io/egeria-docs/.
- The old dojo material is here and the new Dojo is being created here https://odpi.github.io/egeria-docs/getting-started/dojo/

**Existing Dojo**
- Day 1
- Day 2
- Day 3

**New Dojo (In Development)**
New and old Dojos

Old Dojo

- Docker Desktop
- Docker Compose
- K8s
- 3 day
- Jupyter
- Postman

New Dojo

- No Docker Desktop
- Only K8s
- Updated Jupyter notebooks
- 5 one day dojos
  - Easier to consume

- Updated Postman to cover new content
- Lots of new content
  - Including UI capability
## 2022 Proposed Dojo Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>17th January 2022</td>
<td>TBA</td>
<td>Running Egeria</td>
<td>This is a one day Dojo, showing users how to setup and run Egeria. This will include the server author user interface.</td>
</tr>
<tr>
<td>18th February 2022</td>
<td>TBA</td>
<td>Developing Egeria</td>
<td>Setting up and running a development environment for Egeria. Developing connectors for Egeria.</td>
</tr>
<tr>
<td>14th of March 2022</td>
<td>TBA</td>
<td>Metadata Governance</td>
<td>An in depth dojo on using metadata for governance.</td>
</tr>
<tr>
<td>18th of April 2022</td>
<td>TBA</td>
<td>Contributing to Egeria</td>
<td>Understanding the community and git</td>
</tr>
<tr>
<td>16th of May 2022</td>
<td>TBA</td>
<td>Running Egeria in Production</td>
<td>This session will cover managing lineage in Egeria, the Egeria operator, HA configurations.</td>
</tr>
</tbody>
</table>

› https://wiki.lfai-data.foundation/display/EG/Egeria+Dojo+program
Day 1 running Egeria

- We now have a server author UI, that can author new servers. At this time it is possible to configure metadata servers, by January the UI may be more capable and cover other servers.
- Move over to use XTDB (Crux)?
- Using K8s
- This will include the Jupyter notebooks.
- Agree who will refactor and present
  - David to do the Server Author piece & React UI
  - Ljupcho help Nigel
  - Nigel owning Running day.
  - Key reviewer Chris R.
Day 2 developing on Egeria

› Links to be able raise issues / get help.
› Connector overview
› Use of java clients, postman collections (for testing) and using the digital resource connectors in applications
› Developing
  › Data connectors
  › Integration connectors
  › Repository connectors
› Egeria Diagnostics
› Egeria APIs Javadoc, swagger (rest calls not supported, platform & view services supported), Python
› Pulling in samples (from the Git samples repo) so there is an example for a connector / project
› Packaging

Agree who will refactor and present
› Mandy owning developing day
› Nigel help with packaging
› Key reviewers
  › Jakub
  › Billy
  › Yevgeniy
Day 3 Metadata governance

› Effectivity
› Deduplication
› Metadata supply chains
› Lineage
› Metadata discovery
› Governance Actions
› Governance maturity

Agree who will refactor and present
› Mandy owns
› Key reviewers
  › David
  › Nigel
  › Ljupcho
Day 4 Contributing to Egeria

Agree who will refactor and present

› Maryna owning contributing day.
› Combine 2 existing days to 1
› No owner agreed yet.
› David can do the open source philosophy
Day 5 Running Egeria in production.

- Kubernetes operator
- Topology: how many platforms, where are they deployed, how many servers.
- Monitoring: including setting up Prometheus endpoint and managing audit log destinations. Building the run book for Egeria
- HA: Availability / reliability / resilient
- Performance
- Backups
- Recovery
- XTDB?
- Security: TLS / SSL and ...

Agree who will refactor and present
- Backups & recovery & topology – Mandy
- Threat model – Ljupcho
- Monitoring – Ljupcho
- K8s – Ljupcho to see if there is interest in ING to do this
- Nigel – K8s operator & security
- XTDB – Chris G
- Key reviewers
  - David
  - Chris R
  - Jakub