**User stories:**

**Epic:** Add Prometheus alerts for cluster conditions

**User story:** As a DevOps Engineer I want to know when my clusters are running out of resources so I can prevent crashes before they happen and allocate the appropriate resources

**Story Points: 2**

**Epic:** Integrate Alertmanager into the monitoring deployment

**User story:** As a DevOps Engineer I want to be able to keep track of my alerts without opening Grafana so that I’m aware of alerts sooner and more consistently

**Story Points: 5**

**Epic:** Configure Planetarium Cluster so monitoring tools and planetarium pods are hosted on separate nodes

**User story:** As a DevOps Engineer I want my monitoring tools and applications to be deployed separately so that one crashing does not affect the other

**Story Points: 6**

**Epic:** Store and reference sensitive information needed for Planetarium and monitoring tools to work as secrets in the cluster

**User story:** As a user I want to know that my information is secure so that I don’t have to worry about or deal with a data breach

**Story Points: 5**

**Epic:** Store data saved by Prometheus and Loki outside of the cluster in a persistent volume

**User story:** As a DevOps Engineer I need to have my data saved in a persistent volume so that I can access the data even if the containers fail and the data is lost locally.

**Story Points: 3**

**Epic:** Configure Prometheus to alert using a multi-window multi-burn rate strategy for relevant SLIs

**User story:** As a DevOps Engineer I want to ensure that I have an alerting method that has both a good recall and precision so that I can respond to incidents that occur and not waste time on issues that are not significant incidents.

**Story Points: 1**

**Epic:** Add a DevOps pipeline to automate image deployment to cluster

**User story:** As a DevOps Engineer I want the DevOps pipeline to be as automated as reasonable to reduce toil

**Story Points: 4**

**Daily Scrum 1/31:**

**Jiawen: Working on setting up persistent volume in cluster. He has finished latency recording rules.**

**Colton: No issues so far. Will be helping setting up the persistent volume outside of the cluster.**

**Trevor: Also working on setting up the persistent volume. No issues**