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# Container is running out of space

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#### 1 Comment



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## Title: Container is running out of space

#### Symptom:

Reduced performance, crashes, or failures in the affected container(s)

#### Impact:

When a container runs out of disk space, it can slow down the application running within it. This can lead to longer response times and degraded performance. Crashes or failures, If the container completely runs out of disk space, the application running within it may crash or fail. This can cause downtime and disrupt critical business operations.

### Diagnosis:

1.- Identify the affected container(s): Connect through https://sre-console.saas.ibm.com/sre-console/clusters, select the appropiate environment prod-GuardiumInsights:



2.- Go through sgi-prod01:



3.- Select IBM-ID-Login in the Red-Hat screen:



- 4.- Use the oc get pods -n giaas | grep -iv completed | grep -iv running command to list all affected pods in the giaas namespace. Note the name of the pod running out of space.
- 5.- Run oc get pods <pod-name> -o wide to check on which node the pod is scheduled.
- $\mbox{6.-Run}\ \mbox{oc}\ \mbox{adm}\ \mbox{top}\ \mbox{node}\ \mbox{to}\ \mbox{check}\ \mbox{resource}\ \mbox{usage}\ \mbox{by}\ \mbox{each}\ \mbox{node}\ \mbox{in}\ \mbox{the}\ \mbox{check}\ \mbox{resource}\ \mbox{usage}\ \mbox{node}\ \mbox{in}\ \mbox{the}\ \mbox{check}\ \mbox{each}\ \mbox{node}\ \mbox{in}\ \mbox{the}\ \mbox{node}\ \mbox{node}\ \mbox{each}\ \mbox{node}\ \mbox{each}\ \mbox{node}\ \mbox{each}\ \mbox{node}\ \mbox{each}\ \m$
- 6.- Check the container logs to see if there are any error messages related to disk space using oc logs command followed by the pod name and container name to view the logs.
- 7.- Resize the container, If the container has a fixed size, you may need to resize it to allocate more disk space.

#### Remediation:

- 1.- Identify and address the root cause: The first step in remediation is to identify and address the root cause of the pod restarts.

## Post Remediation Steps:

- 1.- Monitor the pod, after implementing remediation steps, it's important to continue monitoring the pod to ensure it remains stable and does not experience further restarts.
- 2.- Log into Grafana to monitor logs and ensure the stability of the pods (https://sre-console.saas.ibm.com/sre-console/clusters). In the MSCP console, select the correct environment and select Grafana:



3.- In Grafana select the correct dashboard for the app's logs:



4.- In the applications menu select the name corresponding to the pod you are verifying, to check your stability:



5.- Monitor logs and ensure the stability of the applications