OpenShift Private Synthetic Location Pod Sizing

The 3 sizes of Containerized Synthetic ActiveGates recommended by Dynatrace are XS, S, and M. These can be selected from the UI or API when creating a new Containerized Synthetic ActiveGate.

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The Openshift hardware requirements for each pod of a Containerized Synthetic ActiveGate and general best practices/caveats:

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<https://docs.dynatrace.com/managed/shortlink/containerized-locations#requirements>

The YAML differences when selecting the different sizes of Containerized Synthetic ActiveGate (DT\_NODE\_SIZE):

* Spec.volumeClaimTemplates.spec.resources.requests.storage (persistent storage) is 3GB for XS, 6GB for S, and 12GB for M.
* Spec.template.volumes chromium-cache size limit (RAM disk) is 1GB for XS, 2GB for S, and 4GB for M.
* Spec.template.containers.vuc.env variable for DT\_MAX\_HEAP\_MEMORY will be 700m for XS, 1024m for S, and 1024m for M.
* Spec.template.containers.vuc.env variable for DT\_NODE\_SIZE should be set to one of the options XS,S,M.
* Spec.template.containers.vuc resources will increase as DT\_NODE\_SIZE increases for CPU and memory requests/limits. See below screenshot or documentation table above.
* The number of VUC workers will scale also according to DT\_NODE\_SIZE. 2 worker containers for XS, 4 worker containers for S, 12 worker containers for M. VUC worker containers strictly handle browser monitor synthetic executions (keep in consideration to pick DT\_NODE\_SIZE according to synthetic monitor types).

Synthetic YAML diff screens for XS, S, and M DT\_NODE\_SIZE:

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A general guide for the recommended number of monitors based on pod node size and monitor type (there isn’t a specific doc for containerized, disregard L sizing):

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<https://docs.dynatrace.com/managed/shortlink/private-synthetic-requirements#hardware-requirements>