Installer fails on enabling addons

Issue

The installer is stating that it's failed and I'm seeing messages like:

skipping: [localhost] => (item=host-access)

changed: [localhost] => (item=ingress)

FAILED - RETRYING: [localhost]: enable addons (3 retries left).

FAILED - RETRYING: [localhost]: enable addons (2 retries left).

FAILED - RETRYING: [localhost]: enable addons (1 retries left).

failed: [localhost] (item=metrics-server) => {"ansible_loop_var": "item", "attempts": 3, "changed": true, "cmd": ["/snap/bin/microk8s.enable", "metrics-server"], "delta": "0:00:09.568390", "end": "2022-04-13 12:08:41.833858", "item": {"enabled": true, "name": "metrics-server"}, "msg": "non-zero return code", "rc": -15, "start": "2022-04-13 12:08:32.265468", "stderr": "Warning: apiregistration.k8s.io/v1beta1 APIService is deprecated in v1.19+, unavailable in v1.22+; use apiregistration.k8s.io/v1 APIService", "stderr_lines": ["Warning: apiregistration.k8s.io/v1beta1 APIService is deprecated in v1.19+, unavailable in v1.22+; use apiregistration.k8s.io/v1 APIService"], "stdout": "Enabling Metrics-Server\nclusterrole.rbac.authorization.k8s.io/system:aggregated-metrics-reader unchanged\nclusterrolebinding.rbac.authorization.k8s.io/metrics-server:system:auth-delegator unchanged\nrolebinding.rbac.authorization.k8s.io/metrics-server-auth-reader unchanged\napiservice.apiregistration.k8s.io/v1beta1.metrics.k8s.io unchanged\nserviceaccount/metrics-server unchanged\ndeployment.apps/metrics-server unchanged\nservice/metrics-server unchanged\nclusterrole.rbac.authorization.k8s.io/system:metrics-server unchanged\nclusterrolebinding.rbac.authorization.k8s.io/system:metrics-server unchanged\nclusterrolebinding.rbac.authorization.k8s.io/microk8s-admin unchanged", "stdout_lines": ["Enabling Metrics-Server", "clusterrole.rbac.authorization.k8s.io/system:aggregated-metrics-reader unchanged", "clusterrolebinding.rbac.authorization.k8s.io/metrics-server:system:auth-delegator unchanged", "rolebinding.rbac.authorization.k8s.io/metrics-server-auth-reader unchanged", "apiservice.apiregistration.k8s.io/v1beta1.metrics.k8s.io unchanged", "serviceaccount/metrics-server unchanged", "deployment.apps/metrics-server unchanged", "service/metrics-server unchanged", "clusterrole.rbac.authorization.k8s.io/system:metrics-server unchanged",

"clusterrolebinding.rbac.authorization.k8s.io/system:metrics-server unchanged",

"clusterrolebinding.rbac.authorization.k8s.io/microk8s-admin unchanged"]}

skipping: [localhost] => (item=rbac)

changed: [localhost] => (item=registry)

Environment

- Red Hat Enterprise Linux 8.5
- Element Enterprise Installer 0.6.1

Resolution

Re-run the installer until these errors clear and all of the microk8s addons are enabled.

Root Cause

There is a microk8s timing issue that we have not quite figured out.

Revision #3
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Updated 6 November 2024 12:49:17 by Kieran Mitchell Lane