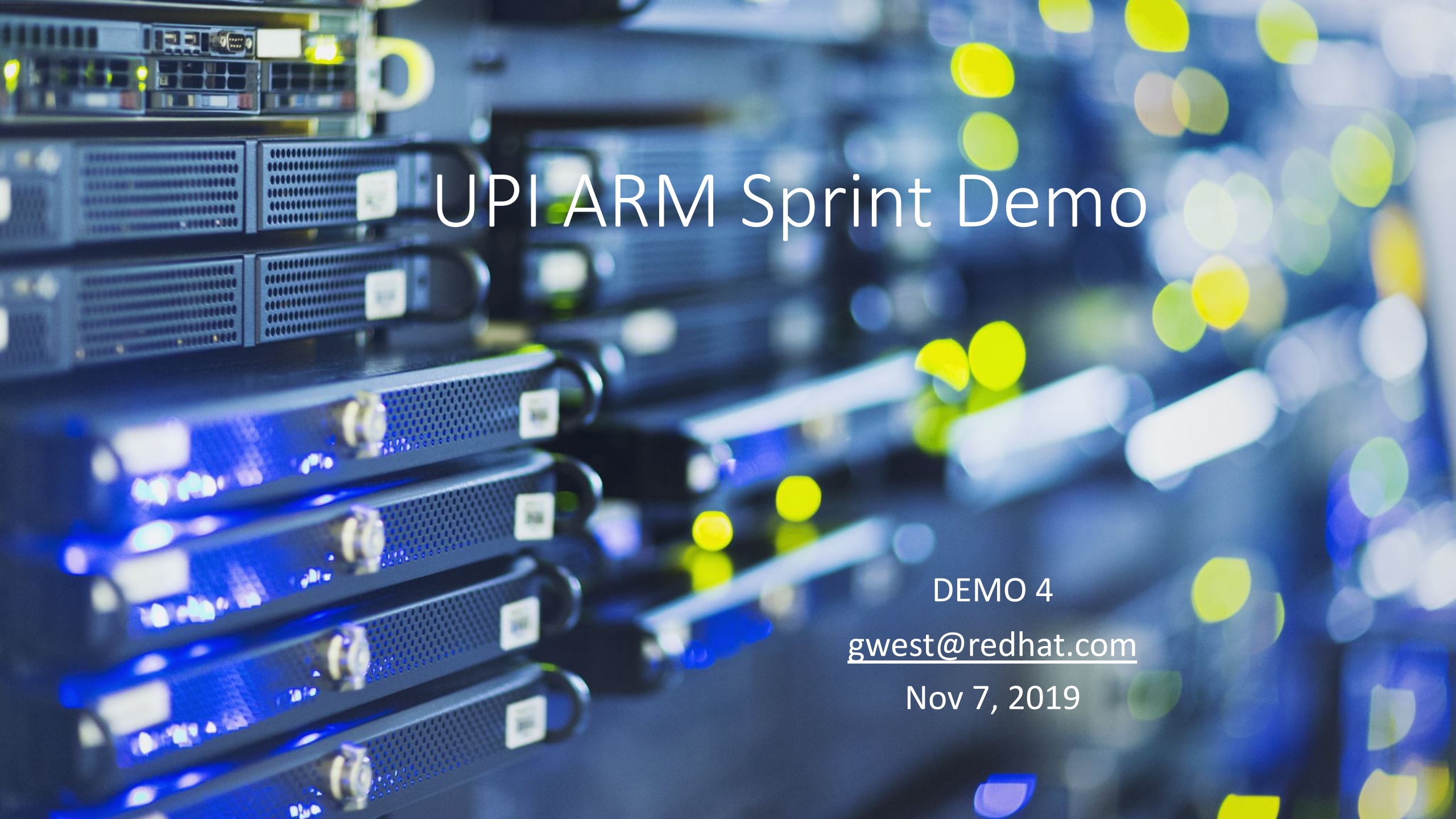

UPI ARM Sprint Demo

DEMO 4

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Nov 7, 2019

Changes

- In setup-manifests
  - Remove the dns zones
  - Preserve order of settings in json
  - Cleanup formatting of cloud provider json settings
  - Fix creation date time to be null in proper format.
  - Delete machinesets in gw/openshift
  - Update resource group name in gw/openshift
- In setup-variables – Automatically set the RHCOS image destination
- Added Standard_D2s_v3, Standard_D4s_v3, Standard_D8s_v3 as available vm types in template.

Fixed Ingress Bug

- Explored various ingress strategies with edge team
- Changed Ingress to host-network to be compatibile with Azure Load Balancer.
- Implemented in setup-host-network.sh
- Long term node-port may be a better alternative, but currently it appears to require more exploration.

Fixed Image/Registry Bug

- The OpenShift Image Registry was failing.
- This was due to trying to use the wrong resource group.
- Did a cleanup of gw/openshift manifests
- Added update of gw/openshift/99_cloud-creds-secret.yaml to make sure correct resource group is used.

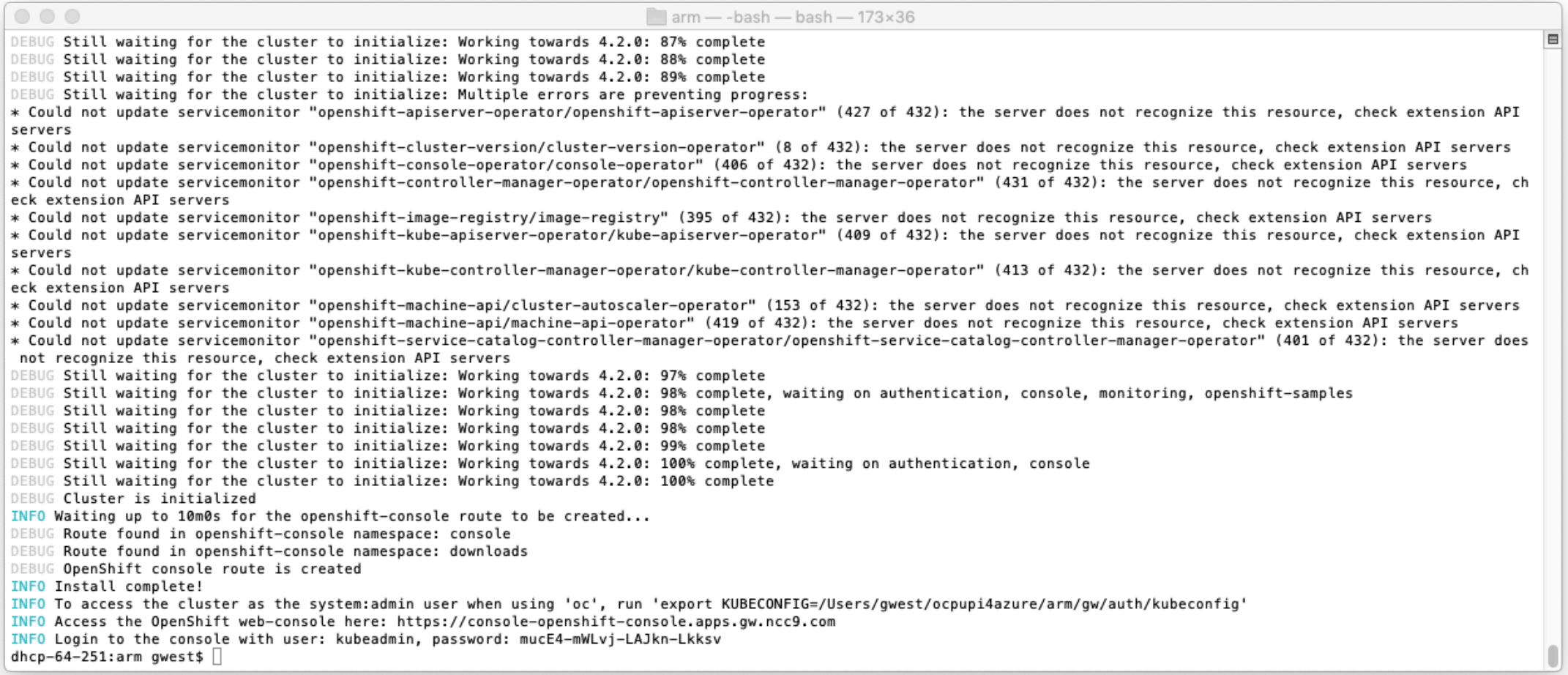
Bug Fixes

- Allow as little as 2 compute nodes (Limited by Ingress Operator)
- Fixed Standard_DSx (DS3) storage type
- Added a abort of ARM Deployment failed (BZ Reported a failed on bootstrap, when the reality the deployment Failed)
- Added missing install-config.yaml.example

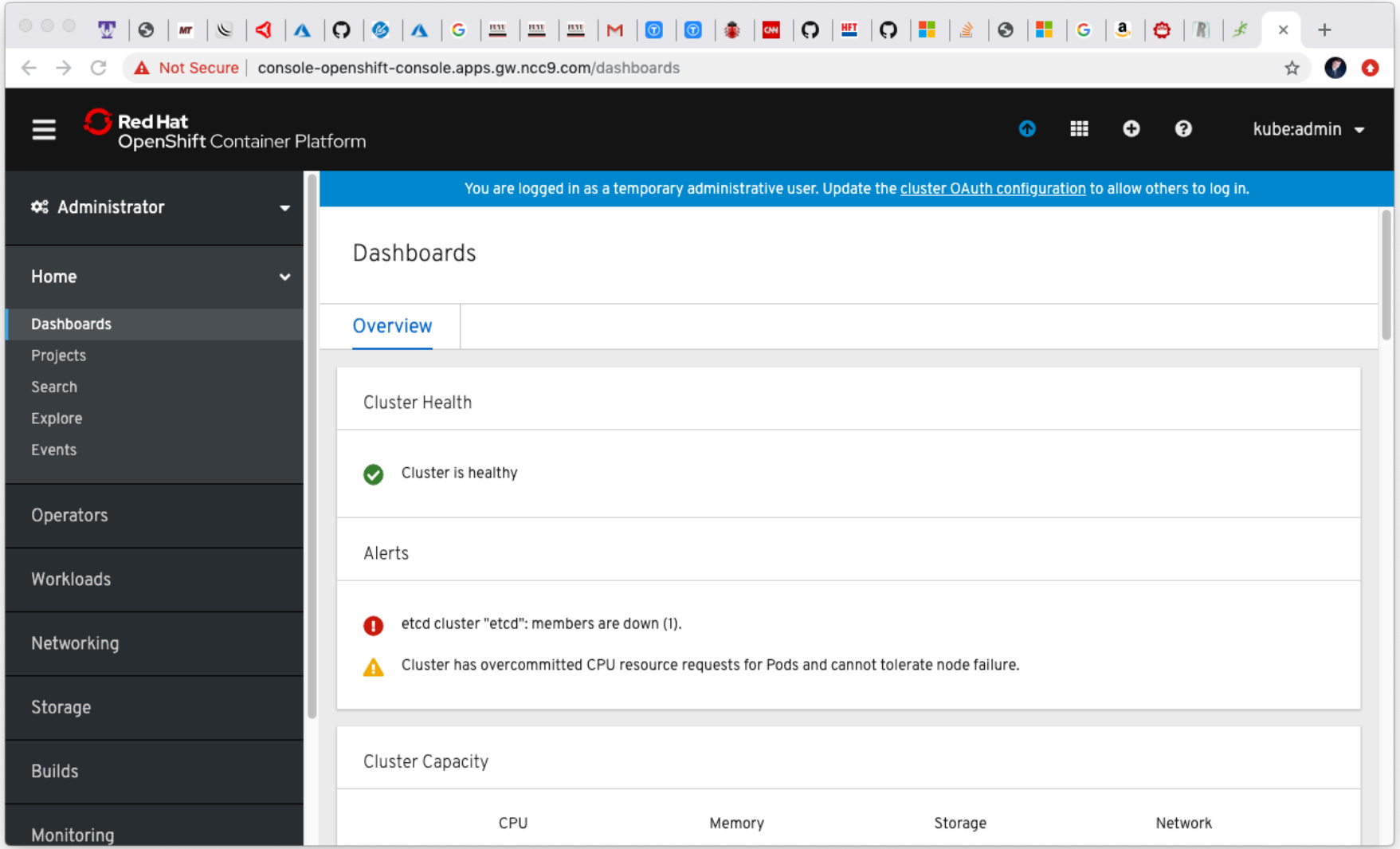
New Tiny Deploy Tested

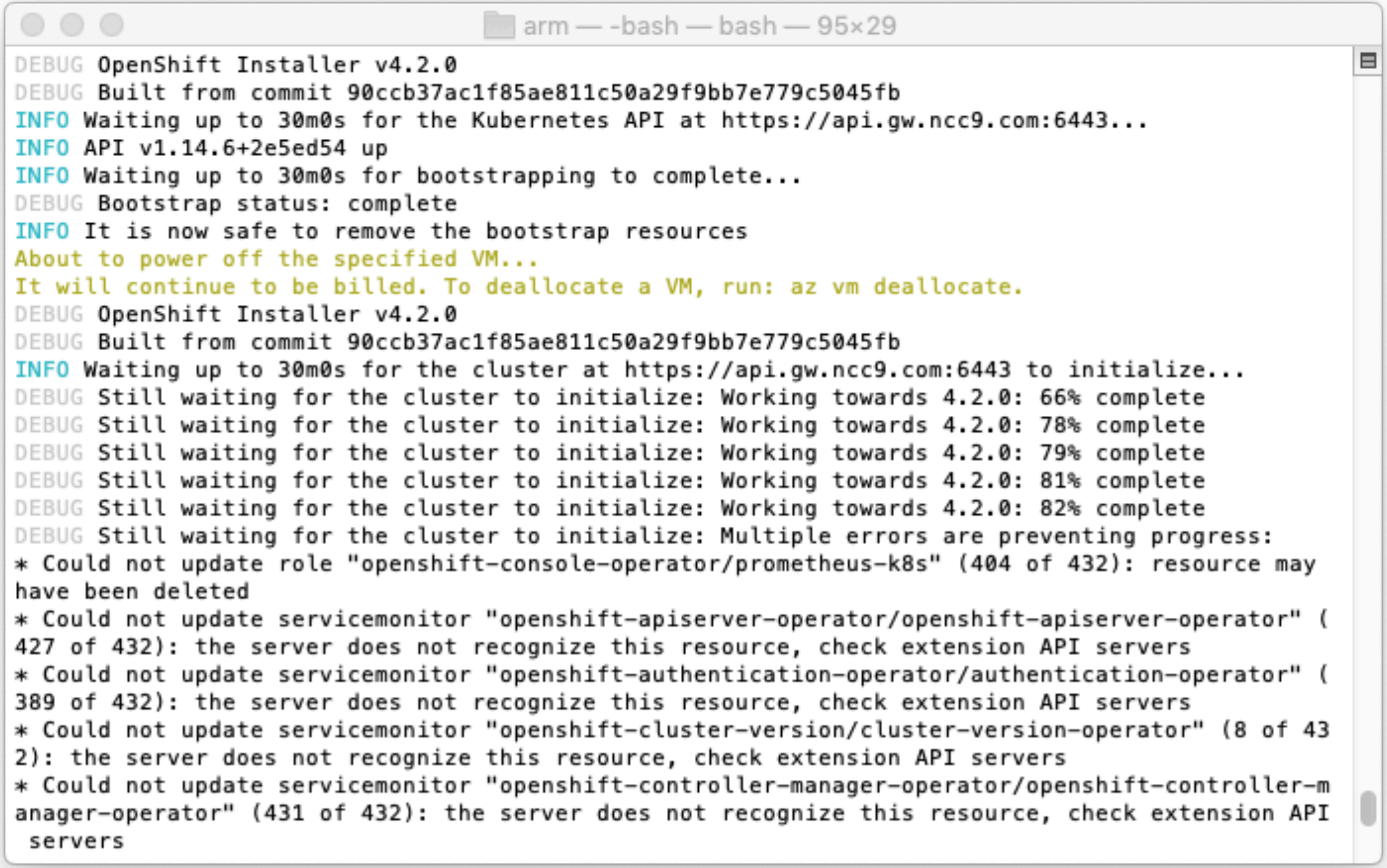
- 2 Compute Nodes
- Standard_D2s_v3 vm

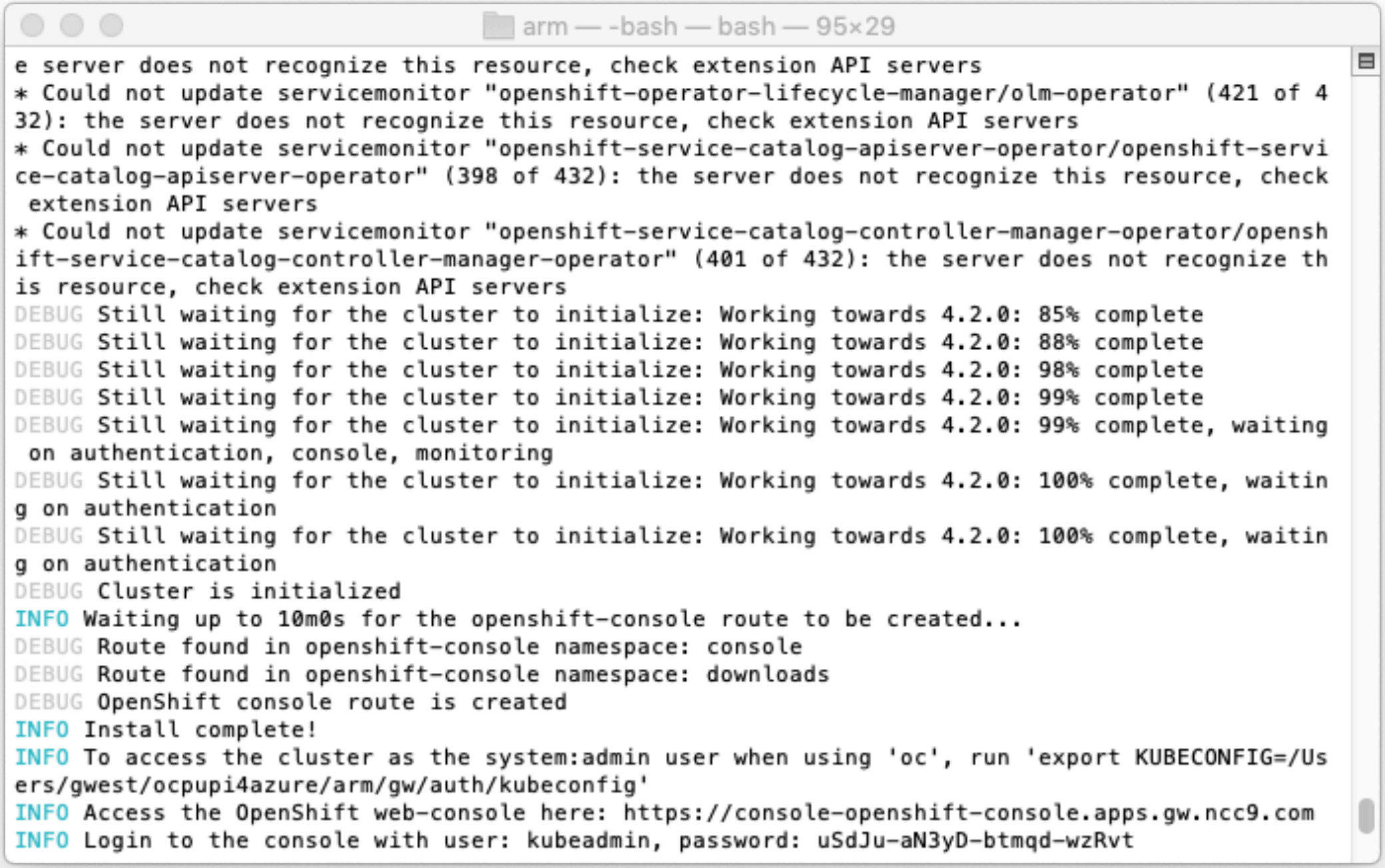
Tiny Deploy - Succes



Tiny Deploy - Max Out Utilization



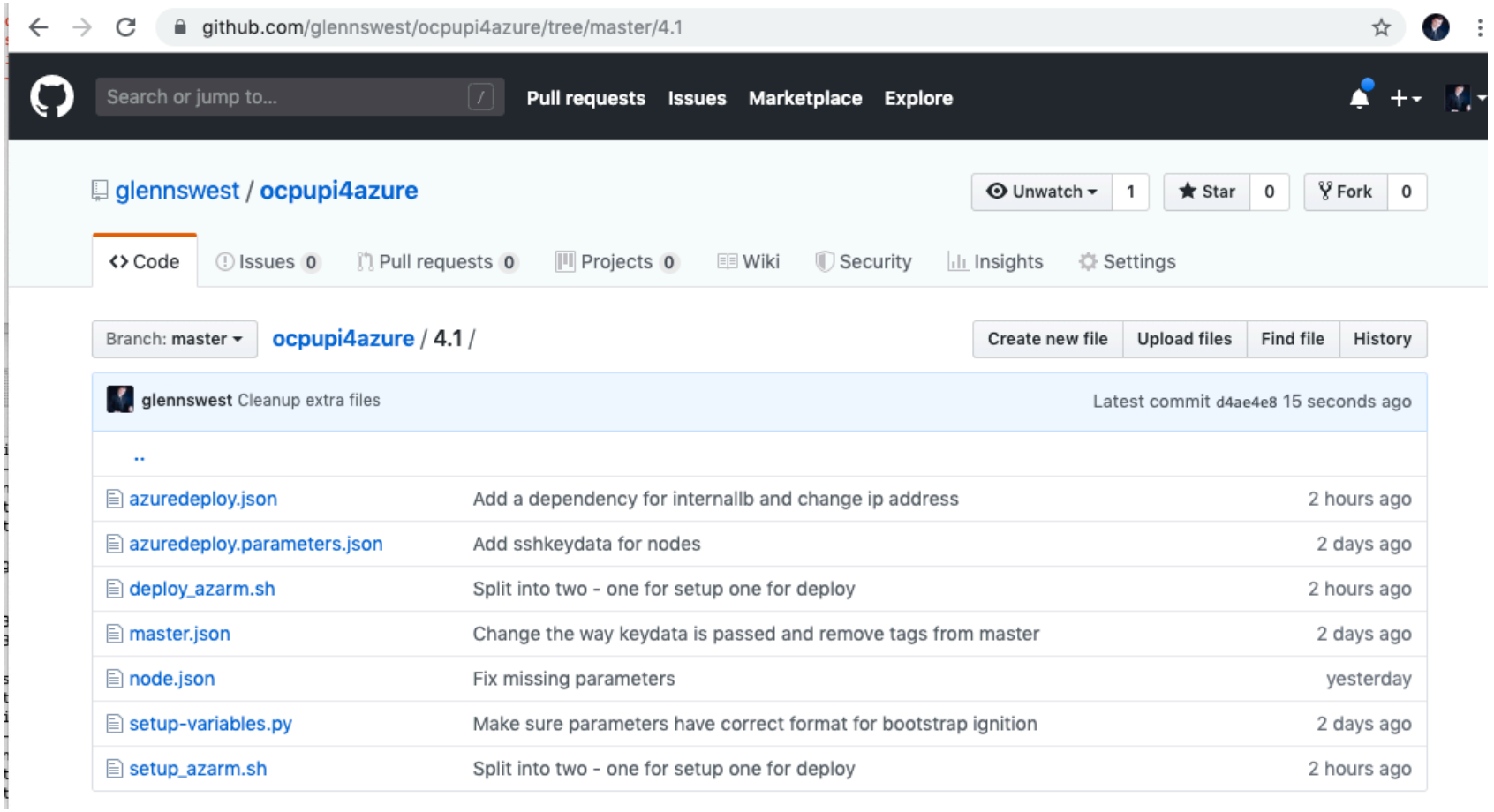

arm — -bash — bash — 95×29
DEBUG OpenShift Installer v4.2.0
DEBUG Built from commit 90ccb37ac1f85ae811c50a29f9bb7e779c5045fb
INFO Waiting up to 30m0s for the Kubernetes API at https://api.gw.ncc9.com:6443...
INFO API v1.14.6+2e5ed54 up
INFO Waiting up to 30m0s for bootstrapping to complete...
DEBUG Bootstrap status: complete
INFO It is now safe to remove the bootstrap resources
About to power off the specified VM...
It will continue to be billed. To deallocate a VM, run: az vm deallocate.
DEBUG OpenShift Installer v4.2.0
DEBUG Built from commit 90ccb37ac1f85ae811c50a29f9bb7e779c5045fb
INFO Waiting up to 30m0s for the cluster at https://api.gw.ncc9.com:6443 to initialize...
DEBUG Still waiting for the cluster to initialize: Working towards 4.2.0: 66% complete
DEBUG Still waiting for the cluster to initialize: Working towards 4.2.0: 78% complete
DEBUG Still waiting for the cluster to initialize: Working towards 4.2.0: 79% complete
DEBUG Still waiting for the cluster to initialize: Working towards 4.2.0: 81% complete
DEBUG Still waiting for the cluster to initialize: Working towards 4.2.0: 82% complete
DEBUG Still waiting for the cluster to initialize: Multiple errors are preventing progress:
* Could not update role "openshift-console-operator/prometheus-k8s" (404 of 432): resource may have been deleted
* Could not update servicemonitor "openshift-apiserver-operator/openshift-apiserver-operator" (427 of 432): the server does not recognize this resource, check extension API servers
* Could not update servicemonitor "openshift-authentication-operator/authentication-operator" (389 of 432): the server does not recognize this resource, check extension API servers
* Could not update servicemonitor "openshift-cluster-version/cluster-version-operator" (8 of 432): the server does not recognize this resource, check extension API servers
* Could not update servicemonitor "openshift-controller-manager-operator/openshift-controller-manager-operator" (431 of 432): the server does not recognize this resource, check extension API servers


arm — -bash — bash — 95×29
e server does not recognize this resource, check extension API servers
* Could not update servicemonitor "openshift-operator-lifecycle-manager/olm-operator" (421 of 432): the server does not recognize this resource, check extension API servers
* Could not update servicemonitor "openshift-service-catalog-apiserver-operator/openshift-service-catalog-apiserver-operator" (398 of 432): the server does not recognize this resource, check extension API servers
* Could not update servicemonitor "openshift-service-catalog-controller-manager-operator/openshift-service-catalog-controller-manager-operator" (401 of 432): the server does not recognize this resource, check extension API servers
DEBUG Still waiting for the cluster to initialize: Working towards 4.2.0: 85% complete
DEBUG Still waiting for the cluster to initialize: Working towards 4.2.0: 88% complete
DEBUG Still waiting for the cluster to initialize: Working towards 4.2.0: 98% complete
DEBUG Still waiting for the cluster to initialize: Working towards 4.2.0: 99% complete
DEBUG Still waiting for the cluster to initialize: Working towards 4.2.0: 99% complete, waiting on authentication, console, monitoring
DEBUG Still waiting for the cluster to initialize: Working towards 4.2.0: 100% complete, waiting on authentication
DEBUG Still waiting for the cluster to initialize: Working towards 4.2.0: 100% complete, waiting on authentication
DEBUG Cluster is initialized
INFO Waiting up to 10m0s for the openshift-console route to be created...
DEBUG Route found in openshift-console namespace: console
DEBUG Route found in openshift-console namespace: downloads
DEBUG OpenShift console route is created
INFO Install complete!
INFO To access the cluster as the system:admin user when using 'oc', run 'export KUBECONFIG=/Users/gwest/ocpupi4azure/arm/gw/auth/kubeconfig'
INFO Access the OpenShift web-console here: https://console-openshift-console.apps.gw.ncc9.com
INFO Login to the console with user: kubeadmin, password: uSdJu-aN3yD-btmqd-wzRvt

Current Status

- Completed
  - Ingress Bug – Working
  - Identity and Access – Working
  - Registry – Working
  - Automated changes for resource group name - Working
- WIP
  - Stress test installation – 5 Successful deploymets so far)
  - Identify Flakeys
  - Look at PR comments and work to resolve
  - Merge enhance sanity PR
  - Work on Bug Reports

Where’s it at:



https://github.com/glennswest/ocpupi4azure/tree/master/arm