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[root@bastion ~]#
[root@bastion ~]# oc get hc -A
NAMESPACE   NAME           VERSION   KUBECONFIG           PROGRESS   AVAILABLE
PROGRESSING MESSAGE
tests       agent-hcp     4.16.13  agent-hcp-admin-kubeconfig  Completed  True       False
The hosted control plane is available
[root@bastion ~]#
[root@bastion ~]# oc get np -A
NAMESPACE   NAME           CLUSTER   DESIRED NODES   CURRENT NODES   AUTOSCALING   AUTOREPAIR
VERSION   UPDATINGVERSION   UPDATINGCONFIG   MESSAGE
tests       agent-hcp     agent-hcp   1               1               False         False
4.16.13   False          False
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc get no --kubeconfig ansible_workdir/hcp-kubeconfig
NAME                               STATUS   ROLES    AGE   VERSION
compute-0.agent-hcp.ci.com        Ready   worker   51m   v1.29.8+f10c92d
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc get clusterversion --kubeconfig ansible_workdir/hcp-kubeconfig
NAME     VERSION   AVAILABLE   PROGRESSING   SINCE   STATUS
version  4.16.13   True        False         45m    Cluster version is 4.16.13
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc get clusterversion --kubeconfig ansible_workdir/hcp-kubeconfig
NAME     VERSION   AVAILABLE   PROGRESSING   SINCE   STATUS
version  4.16.13   True        False         46m    Cluster version is 4.16.13
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc annotate hc agent-hcp -n tests hypershift.openshift.io/force-upgrade-
to="quay.io/openshift-release-dev/ocp-release:4.17.0-ec.1-multi"
hostedcluster.hypershift.openshift.io/agent-hcp annotated
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc patch hc agent-hcp -n tests --type merge -p '{"spec":{"release":
{"image":"quay.io/openshift-release-dev/ocp-release:4.17.0-ec.1-multi"}}}'
hostedcluster.hypershift.openshift.io/agent-hcp patched
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc get hc -A
NAMESPACE   NAME           VERSION   KUBECONFIG           PROGRESS   AVAILABLE
PROGRESSING MESSAGE
tests       agent-hcp     4.16.13  agent-hcp-admin-kubeconfig  Completed  True       False
The hosted control plane is available
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc get hc -A
NAMESPACE   NAME           VERSION   KUBECONFIG           PROGRESS   AVAILABLE
PROGRESSING MESSAGE
tests       agent-hcp     4.16.13  agent-hcp-admin-kubeconfig  Completed  True       True
The hosted control plane is available
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc get clusterversion --kubeconfig ansible_workdir/hcp-kubeconfig
NAME     VERSION   AVAILABLE   PROGRESSING   SINCE   STATUS
version  4.16.13   True        False         47m    Cluster version is 4.16.13
[root@bastion ~]#

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[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc get clusterversion --kubeconfig ansible_workdir/hcp-kubeconfig
NAME          VERSION    AVAILABLE    PROGRESSING    SINCE    STATUS
version      4.16.13   True         True           3m27s   Working towards 4.17.0-ec.1: 519 of 622
done (83% complete), waiting on network
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc get co --kubeconfig ansible_workdir/hcp-kubeconfig
NAME          VERSION    AVAILABLE    PROGRESSING    DEGRADED
SINCE  MESSAGE
console      4.17.0-ec.1   True         False          False
2m55s
csi-snapshot-controller 4.17.0-ec.1   True         False          False
3m26s
dns          4.17.0-ec.1   True         False          False
3m54s
image-registry 4.17.0-ec.1   True         False          False
3m9s
ingress      4.17.0-ec.1   True         False          False
75m
insights     4.17.0-ec.1   True         False          False
61m
kube-apiserver 4.17.0-ec.1   True         False          False
75m
kube-controller-manager 4.17.0-ec.1   True         False          False
75m
kube-scheduler 4.17.0-ec.1   True         False          False
75m
kube-storage-version-migrator 4.17.0-ec.1   True         False          False
61m
monitoring   4.17.0-ec.1   True         False          False
58m
network      4.16.13       True         False          False
62m
node-tuning  4.17.0-ec.1   True         False          False
3m25s
openshift-apiserver 4.17.0-ec.1   True         False          False
75m
openshift-controller-manager 4.17.0-ec.1   True         False          False
75m
openshift-samples 4.17.0-ec.1   True         False          False
2m43s
operator-lifecycle-manager 4.17.0-ec.1   True         False          False
75m
operator-lifecycle-manager-catalog 4.17.0-ec.1   True         False          False
75m
operator-lifecycle-manager-packageserver 4.17.0-ec.1   True         False          False
75m
service-ca   4.17.0-ec.1   True         False          False
61m
storage      4.17.0-ec.1   True         False          False
75m
[root@bastion ~]#
[root@bastion ~]# oc get co --kubeconfig ansible_workdir/hcp-kubeconfig
NAME          VERSION    AVAILABLE    PROGRESSING    DEGRADED
SINCE  MESSAGE
console      4.17.0-ec.1   True         False          False
16m
csi-snapshot-controller 4.17.0-ec.1   True         False          False
16m
dns          4.17.0-ec.1   True         False          False
17m
image-registry 4.17.0-ec.1   True         False          False
16m
ingress      4.17.0-ec.1   True         False          False

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88m
insights          4.17.0-ec.1   True      False     False
74m
kube-apiserver   4.17.0-ec.1   True      False     False
88m
kube-controller-manager 4.17.0-ec.1   True      False     False
88m
kube-scheduler   4.17.0-ec.1   True      False     False
88m
kube-storage-version-migrator 4.17.0-ec.1   True      False     False
74m
monitoring       4.17.0-ec.1   True      False     False
71m
network          4.17.0-ec.1   True      False     False
75m
node-tuning      4.17.0-ec.1   True      False     False
16m
openshift-apiserver 4.17.0-ec.1   True      False     False
88m
openshift-controller-manager 4.17.0-ec.1   True      False     False
88m
openshift-samples 4.17.0-ec.1   True      False     False
15m
operator-lifecycle-manager 4.17.0-ec.1   True      False     False
88m
operator-lifecycle-manager-catalog 4.17.0-ec.1   True      False     False
88m
operator-lifecycle-manager-packageserver 4.17.0-ec.1   True      False     False
88m
service-ca       4.17.0-ec.1   True      False     False
74m
storage          4.17.0-ec.1   True      False     False
88m
[root@bastion ~]# oc get clusterversion --kubeconfig ansible_workdir/hcp-kubeconfig
NAME      VERSION      AVAILABLE    PROGRESSING    SINCE    STATUS
version  4.17.0-ec.1  True        False          10m     Cluster version is 4.17.0-ec.1
[root@bastion ~]#
[root@bastion ~]#

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==== NODEPOOL UPGRADE =====

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[root@bastion ~]#
[root@bastion ~]# oc get np -A
NAMESPACE   NAME           CLUSTER   DESIRED NODES   CURRENT NODES   AUTOSCALING   AUTOREPAIR
VERSION     UPDATINGVERSION  UPDATINGCONFIG  MESSAGE
tests       agent-hcp      agent-hcp   1               1               False         False
4.16.13     False          False
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc annotate np agent-hcp -n tests hypershift.openshift.io/force-upgrade-to="quay.io/openshift-release-dev/ocp-release:4.17.0-ec.1-multi"
nodepool.hypershift.openshift.io/agent-hcp annotated
[root@bastion ~]#
[root@bastion ~]# oc patch np agent-hcp -n tests --type merge -p '{"spec":{"release":{"image":"quay.io/openshift-release-dev/ocp-release:4.17.0-ec.1-multi"}}}'
nodepool.hypershift.openshift.io/agent-hcp patched
[root@bastion ~]#
[root@bastion ~]# oc get np -A
NAMESPACE   NAME           CLUSTER   DESIRED NODES   CURRENT NODES   AUTOSCALING   AUTOREPAIR

```

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VERSION      UPDATINGVERSION  UPDATINGCONFIG  MESSAGE
tests        agent-hcp       agent-hcp       1              1              False          False
4.16.13     True            True
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc get no --kubecfg ansible_workdir/hcp-kubecfg
NAME          STATUS  ROLES  AGE  VERSION
compute-0.agent-hcp.ci.com  Ready  worker  79m  v1.29.8+f10c92d
[root@bastion ~]# oc get no --kubecfg ansible_workdir/hcp-kubecfg -o wide
NAME          STATUS  ROLES  AGE  VERSION          INTERNAL-IP
EXTERNAL-IP  OS-IMAGE          KERNEL-VERSION
CONTAINER-RUNTIME
compute-0.agent-hcp.ci.com  Ready  worker  79m  v1.29.8+f10c92d  172.23.235.2  <none>
Red Hat Enterprise Linux CoreOS 416.94.202409092052-0  5.14.0-427.35.1.el9_4.s390x  cri-
o://1.29.8-3.rhaos4.16.git7c15a85.el9
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc get no --kubecfg ansible_workdir/hcp-kubecfg -o wide
NAME          STATUS  ROLES  AGE  VERSION          INTERNAL-IP
EXTERNAL-IP  OS-IMAGE          KERNEL-VERSION
CONTAINER-RUNTIME
compute-0.agent-hcp.ci.com  Ready  worker  165m  v1.30.1+9798e19  172.23.235.2  <none>
Red Hat Enterprise Linux CoreOS 417.94.202406050030-0  5.14.0-427.20.1.el9_4.s390x  cri-
o://1.29.4-6.rhaos4.16.git0e93ae2.el9
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc get np -A
NAMESPACE     NAME          CLUSTER     DESIRED NODES  CURRENT NODES  AUTOSCALING  AUTOREPAIR
VERSION       UPDATINGVERSION  UPDATINGCONFIG  MESSAGE
tests        agent-hcp     agent-hcp     1              1              False        False
4.17.0-ec.1  False        False
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#

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=== Minor Update (From 4.17.0-ec.1 to 4.17.0-ec.3) ===

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root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc annotate np agent-hcp -n tests hypershift.openshift.io/force-upgrade-
to="quay.io/openshift-release-dev/ocp-release:4.17.0-ec.3-multi"
nodepool.hypershift.openshift.io/agent-hcp annotated
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc get hc -A
NAMESPACE     NAME          VERSION     KUBECONFIG          PROGRESS  AVAILABLE
PROGRESSING  MESSAGE
tests        agent-hcp     4.17.0-ec.1  agent-hcp-admin-kubecfg  Completed  True
False        The hosted control plane is available
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc patch hc agent-hcp -n tests --type merge -p '{"spec":{"release":
{"image":"quay.io/openshift-release-dev/ocp-release:4.17.0-ec.3-multi"}}}'
hostedcluster.hypershift.openshift.io/agent-hcp patched
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc get hc -A

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NAMESPACE   NAME                VERSION            KUBECONFIG                PROGRESS  AVAILABLE
PROGRESSING MESSAGE
tests       agent-hcp           4.17.0-ec.1      agent-hcp-admin-kubeconfig Completed  True
False       The hosted control plane is available
[root@bastion ~]# oc get hc -A
NAMESPACE   NAME                VERSION            KUBECONFIG                PROGRESS  AVAILABLE
PROGRESSING MESSAGE
tests       agent-hcp           4.17.0-ec.1      agent-hcp-admin-kubeconfig Completed  True
True        The hosted control plane is available
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc get clusterversion --kubeconfig ansible_workdir/hcp-kubeconfig
NAME        VERSION            AVAILABLE           PROGRESSING  SINCE    STATUS
version     4.17.0-ec.1       True                False        106m    Cluster version is 4.17.0-ec.1
[root@bastion ~]# oc get clusterversion --kubeconfig ansible_workdir/hcp-kubeconfig
NAME        VERSION            AVAILABLE           PROGRESSING  SINCE    STATUS
version     4.17.0-ec.1       True                False        109m    Cluster version is 4.17.0-ec.1
[root@bastion ~]#
[root@bastion ~]# oc get clusterversion --kubeconfig ansible_workdir/hcp-kubeconfig
NAME        VERSION            AVAILABLE           PROGRESSING  SINCE    STATUS
version     4.17.0-ec.1       True                True         4m9s    Working towards 4.17.0-ec.3: 517 of
620 done (83% complete), waiting on network
[root@bastion ~]#
[root@bastion ~]# oc get co --kubeconfig ansible_workdir/hcp-kubeconfig
NAME                VERSION            AVAILABLE           PROGRESSING  DEGRADED
SINCE  MESSAGE
console             4.17.0-ec.3       True                False         False
4m1s
csi-snapshot-controller 4.17.0-ec.3       True                False         False
5m22s
dns                 4.17.0-ec.3       True                False         False
4m29s
image-registry      4.17.0-ec.3       True                False         False
5m17s
ingress             4.17.0-ec.3       True                False         False
3h18m
insights            4.17.0-ec.3       True                False         False
3h4m
kube-apiserver      4.17.0-ec.3       True                False         False
3h18m
kube-controller-manager 4.17.0-ec.3       True                False         False
3h18m
kube-scheduler      4.17.0-ec.3       True                False         False
3h18m
kube-storage-version-migrator 4.17.0-ec.3       True                False         False
3h4m
monitoring          4.17.0-ec.3       True                False         False
3h1m
network             4.17.0-ec.1       True                False         False
3h4m
node-tuning         4.17.0-ec.3       True                False         False
4m26s
openshift-apiserver 4.17.0-ec.3       True                False         False
3h18m
openshift-controller-manager 4.17.0-ec.3       True                False         False
3h18m
openshift-samples   4.17.0-ec.3       True                False         False
3m48s
operator-lifecycle-manager 4.17.0-ec.3       True                False         False
3h18m
operator-lifecycle-manager-catalog 4.17.0-ec.3       True                False         False
3h18m
operator-lifecycle-manager-packageserver 4.17.0-ec.3       True                False         False
3h18m

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service-ca 4.17.0-ec.3 True False False
3h4m
storage 4.17.0-ec.3 True False False
3h18m
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc get co --kubeconfig ansible_workdir/hcp-kubeconfig
NAME VERSION AVAILABLE PROGRESSING DEGRADED
SINCE MESSAGE
console 4.17.0-ec.3 True False False
18m
csi-snapshot-controller 4.17.0-ec.3 True False False
19m
dns 4.17.0-ec.3 True False False
18m
image-registry 4.17.0-ec.3 True False False
19m
ingress 4.17.0-ec.3 True False False
3h32m
insights 4.17.0-ec.3 True False False
3h18m
kube-apiserver 4.17.0-ec.3 True False False
3h32m
kube-controller-manager 4.17.0-ec.3 True False False
3h32m
kube-scheduler 4.17.0-ec.3 True False False
3h32m
kube-storage-version-migrator 4.17.0-ec.3 True False False
3h18m
monitoring 4.17.0-ec.3 True False False
3h15m
network 4.17.0-ec.3 True False False
3h19m
node-tuning 4.17.0-ec.3 True False False
18m
openshift-apiserver 4.17.0-ec.3 True False False
3h32m
openshift-controller-manager 4.17.0-ec.3 True False False
3h32m
openshift-samples 4.17.0-ec.3 True False False
18m
operator-lifecycle-manager 4.17.0-ec.3 True False False
3h32m
operator-lifecycle-manager-catalog 4.17.0-ec.3 True False False
3h32m
operator-lifecycle-manager-packageserver 4.17.0-ec.3 True False False
3h32m
service-ca 4.17.0-ec.3 True False False
3h18m
storage 4.17.0-ec.3 True False False
3h32m
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc get clusterversion --kubeconfig ansible_workdir/hcp-kubeconfig
NAME VERSION AVAILABLE PROGRESSING SINCE STATUS
version 4.17.0-ec.3 True False 12m Cluster version is 4.17.0-ec.3
[root@bastion ~]#
[root@bastion ~]# oc get hc -A
NAMESPACE NAME VERSION KUBECONFIG PROGRESS AVAILABLE
PROGRESSING MESSAGE
tests agent-hcp 4.17.0-ec.3 agent-hcp-admin-kubeconfig Completed True
False The hosted control plane is available
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#

```

```
[root@bastion ~]# oc get np -A
NAMESPACE   NAME           CLUSTER   DESIRED NODES   CURRENT NODES   AUTOSCALING   AUTOREPAIR
VERSION     UPDATINGVERSION  UPDATINGCONFIG  MESSAGE
tests       agent-hcp      agent-hcp   1               1               False         False
4.17.0-ec.1  False         False
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc annotate np agent-hcp -n tests hypershift.openshift.io/force-upgrade-
to="quay.io/openshift-release-dev/ocp-release:4.17.0-ec.3-multi"
nodepool.hypershift.openshift.io/agent-hcp annotated
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc patch np agent-hcp -n tests --type merge -p '{"spec":{"release":
{"image":"quay.io/openshift-release-dev/ocp-release:4.17.0-ec.3-multi"}}}'
nodepool.hypershift.openshift.io/agent-hcp patched
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]# oc get np -A
NAMESPACE   NAME           CLUSTER   DESIRED NODES   CURRENT NODES   AUTOSCALING   AUTOREPAIR
VERSION     UPDATINGVERSION  UPDATINGCONFIG  MESSAGE
tests       agent-hcp      agent-hcp   1               1               False         False
4.17.0-ec.1  True          True
[root@bastion ~]# oc get no --kubeconfig ansible_workdir/hcp-kubeconfig -o wide
NAME           STATUS   ROLES   AGE   VERSION   INTERNAL-IP   EXTERNAL-IP
OS-IMAGE           KERNEL-VERSION
CONTAINER-RUNTIME
compute-0.agent-hcp.ci.com   Ready    worker   3h37m   v1.30.2   172.23.235.2   <none>
Red Hat Enterprise Linux CoreOS 417.94.202408051945-0   5.14.0-427.28.1.el9_4.s390x   cri-
o://1.30.4-2.rhaos4.17.gitdbc00ff.el9
[root@bastion ~]#
[root@bastion ~]# oc get np -A
NAMESPACE   NAME           CLUSTER   DESIRED NODES   CURRENT NODES   AUTOSCALING   AUTOREPAIR
VERSION     UPDATINGVERSION  UPDATINGCONFIG  MESSAGE
tests       agent-hcp      agent-hcp   1               1               False         False
4.17.0-ec.3  False         False
[root@bastion ~]#
[root@bastion ~]#
[root@bastion ~]#
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