



Kubernetes Deployment

NetApp Solutions

Kevin Hoke
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To deploy and configure your Kubernetes cluster with NVIDIA DeepOps, perform the following tasks from a deployment jump host:

1. Download NVIDIA DeepOps by following the instructions on the [Getting Started page](#) on the NVIDIA DeepOps GitHub site.
2. Deploy Kubernetes in your cluster by following the instructions on the [Kubernetes Deployment Guide](#) on the NVIDIA DeepOps GitHub site.



For the DeepOps Kubernetes deployment to work, the same user must exist on all Kubernetes master and worker nodes.

If the deployment fails, change the value of `kubect1_localhost` to `false` in `deepops/config/group_vars/k8s-cluster.yml` and repeat step 2. The `Copy kubect1 binary to ansible host` task, which executes only when the value of `kubect1_localhost` is `true`, relies on the `fetch` Ansible module, which has known memory usage issues. These memory usage issues can sometimes cause the task to fail. If the task fails because of a memory issue, then the remainder of the deployment operation does not complete successfully.

If the deployment completes successfully after you have changed the value of `kubect1_localhost` to `false`, then you must manually copy the `kubect1` binary from a Kubernetes master node to the deployment jump host. You can find the location of the `kubect1` binary on a specific master node by running the `which kubect1` command directly on that node.

Next: [Cnvr.io Deployment](#)

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