

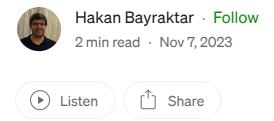
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Merging Multiple kubeconfig Files into One: A **Comprehensive Guide**



Introduction

When you're tasked with managing multiple Kubernetes clusters, juggling numerous kubeconfig files can be quite challenging. By default, kubectl looks for a file named config in the \$HOME/.kube directory.But what's the most efficient way to consolidate these multiple kubeconfig files into a single, more manageable configuration? In this step-by-step guide, I will take you through the entire process.

Step 1: Creating a Back Up Your kubeconfig File

Before you begin, it's a good practice to create a backup of your existing kubeconfig file to ensure you can revert in case of any issues. You can do this with the following command:

```
cp ~/.kube/config ~/.kube/config-bck
```

Step 2: Setting the KUBECONFIG Environment Variable

The KUBECONFIG environment variable is a list of paths to configuration files, such as "/path/cluster1:/path/cluster2". Setting this variable allows you to merge multiple

kubeconfig files. You can set it using the following command:

```
export KUBECONFIG=~/.kube/config:/path/cluster1:/path/cluster2
```

Step 3: Merging All kubeconfig Files

Now, merge all your kubeconfig files into one unified file using the following command:

```
kubectl config view --flatten > one-config.yaml
```

Step 4: Replacing the Old Configuration File

To start using your newly merged kubeconfig file, replace the old one with it:

```
mv one-config.yaml ~/.kube/config
```

Step 5: Verification and Validation

To ensure that everything is functioning as expected, display all the clusters defined in the kubeconfig using the following command:

```
kubectl config get-clusters
```

For more in-depth information, you can refer to the relevant section of the <u>Kubernetes documentation</u>. This resource caters to anyone interested in gaining extensive knowledge in Kubernetes cluster management.

Kubernetes Cluster Kubeconfig Kubectl





Written by Hakan Bayraktar

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```
join 146.190.135.86:6443 --token f1h95l.u4nkex9cw8d0g63w --discond1666af50c85f060b9fadc73f13c932e0e2a9eeef08f51f91a e-flight checks infiguration from the cluster...

an look at this config file with 'kubectl -n kube-system get cm kubeadmed kubelet configuration to file "/var/lib/kubelet/config.yaml" g kubelet environment file with flags to file "/var/lib/kubelet/kubeadment g the kubelet g for the kubelet to perform the TLS Bootstrap...

ne cluster:
request was sent to apiserver and a response was received.
rmed of the new secure connection details.

' on the control-plane to see this node join the cluster.
```

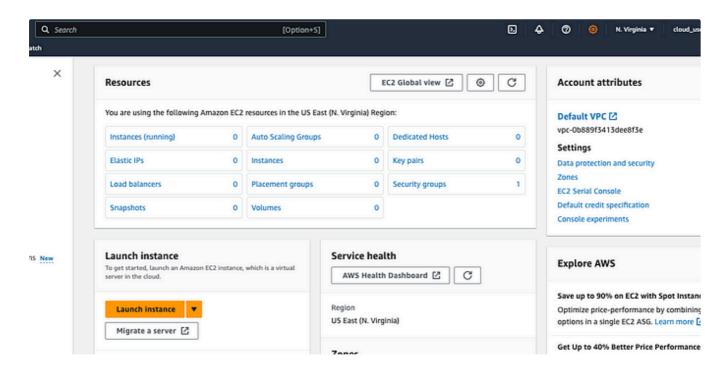


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emctl restart nfs-kernel-server -kernel-server S server and services /systemd/system/nfs-server.service; enab StartPre=/usr/sbin/exportfs -r (code=exit Start=/usr/sbin/rpc.nfsd (code=exited, st e=exited, status=0/SUCCESS)



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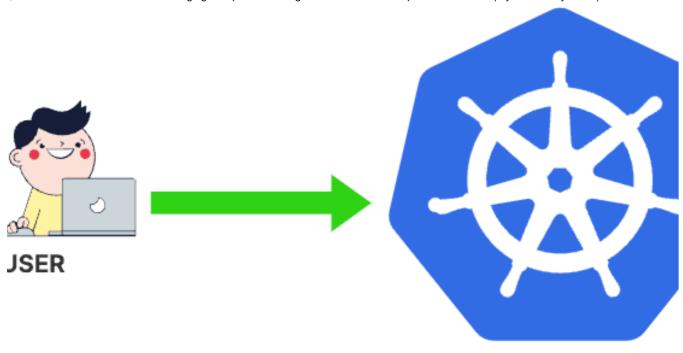
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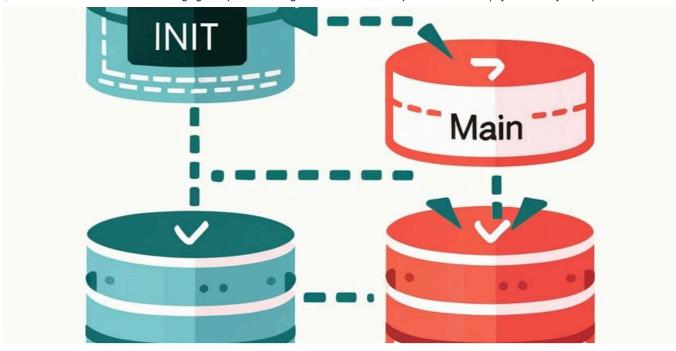


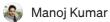


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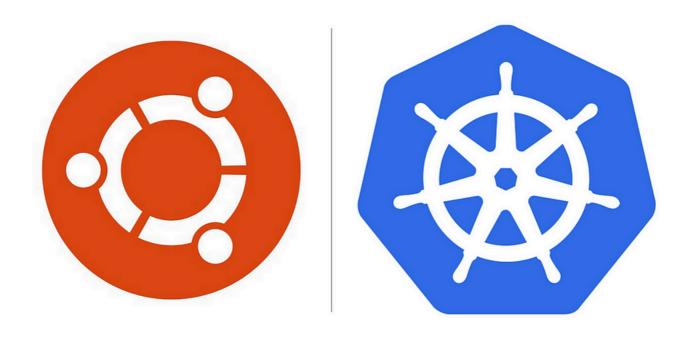
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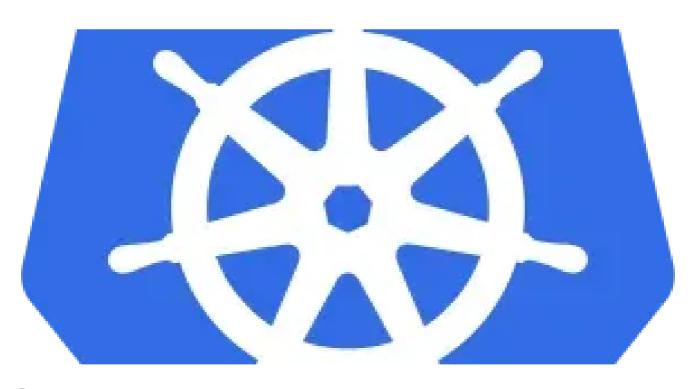
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