To set up your Kubernetes configuration (kubeconfig) using Azure CLI for an Azure Kubernetes Service (AKS) cluster, follow these steps:

**1. Login to Azure**

az login

This will authenticate you with your Azure account. Follow the prompts to log in if required.

**2. Set the Azure Subscription (Optional)**

If you have multiple subscriptions, ensure you're using the correct one:

az account set --subscription <subscription-id>

Replace <subscription-id> with your Azure subscription ID or name.

**3. Get Credentials for Your AKS Cluster**

Use the az aks get-credentials command to merge or overwrite your kubeconfig file:

az aks get-credentials --resource-group <resource-group-name> --name <aks-cluster-name>

* --resource-group: The resource group name where your AKS cluster is located.
* --name: The name of your AKS cluster.

Additional options:

* --overwrite-existing: Overwrites any existing kubeconfig for the same cluster.
* --admin: Retrieves cluster administrator credentials.

Example:

az aks get-credentials --resource-group myResourceGroup --name myAKSCluster

**4. Verify Kubernetes Configuration**

Once credentials are retrieved, verify that your kubeconfig is set up correctly:

kubectl config view

Check the context for your cluster:

kubectl config current-context

List all contexts to confirm the desired cluster is present:

kubectl config get-contexts

**5. Switch Context (If Necessary)**

If you have multiple clusters configured, switch to the desired context:

kubectl config use-context <context-name>

**6. Test the Connection**

Ensure you can connect to your AKS cluster by listing nodes:

kubectl get nodes

If successful, your kubeconfig is now correctly set for your Azure AKS cluster!