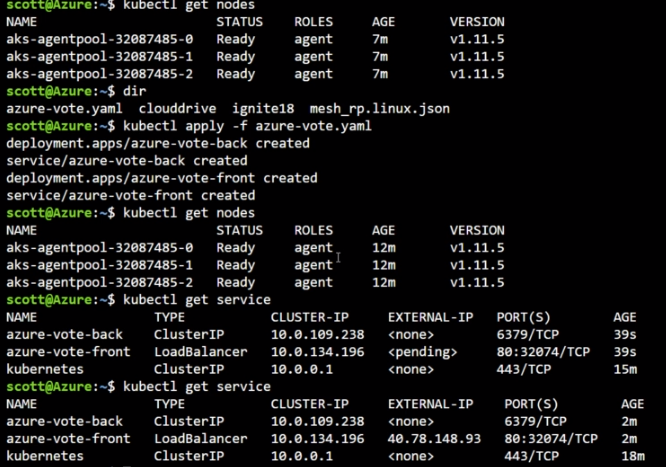
AKS

* **FQDN**: Fully Qualified Domain Name: AKS’s DNS prefix is an FQDN
* **Virtual nodes**: deploy or burst containers to nodes backed by serverless Azure Container Instances (fast burst scaling options beyond AKS cluster size)
* AKS Total Cores: Nodes \* CPU per each node

Connect to Kubernetes via CLI:

1. **az aks get-credentials –-resource-group XNZYASD –-name aksclustername**
2. **kubectl get nodes**
3. **DEPLOY STUFF: kubectl apply –f azure-vote.yaml**
4. **Kubectl get service**

****

* **az aks install-cli**
  + update a PATH variable
* az login
* az aks get-credentials - -resource-group - -name
* az aks browse - -resource group - - name
  + creates web server locally (:8001), dashboard for kubernetes

**docker-compose up –d** (boom, its now running)  
opposite: *docker-compose down*

**docker-machine ip Default** (IP where its deployed)

**Azure Container Registry:** store images

**What is the standard VM size that Azure wants to use when you create an AKS cluster?**

Standard DS2

**How many nodes does Microsoft recommend are minimum for an AKS cluster for resiliency? What is the minimum number of AKS nodes you can create using the Azure Portal?**

3

**How many vCPUs does a 5-node AKS cluster running using DS2 v2 instances have?**

10:DS2 is a 2 vCPU instance, and 5 of them make 10 vCPUs. 🡪 5\*2 = 10

**What is the name of the command line tool used to communicate with an AKS cluster?**

Kubectl

**What does the command "kubectl apply -f azure-vote.yaml" do?**

Executes YAML, deploys the code to the cluster

**How do you instantiate the AKS Dashboard?**

Run the **az aks browse** command to start web server locally

**Why do you need to install Docker on your local machine?**

To create, develop and package docker images to be pushed to the AKS cluster