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AZURE KUBERNETES SERVICES

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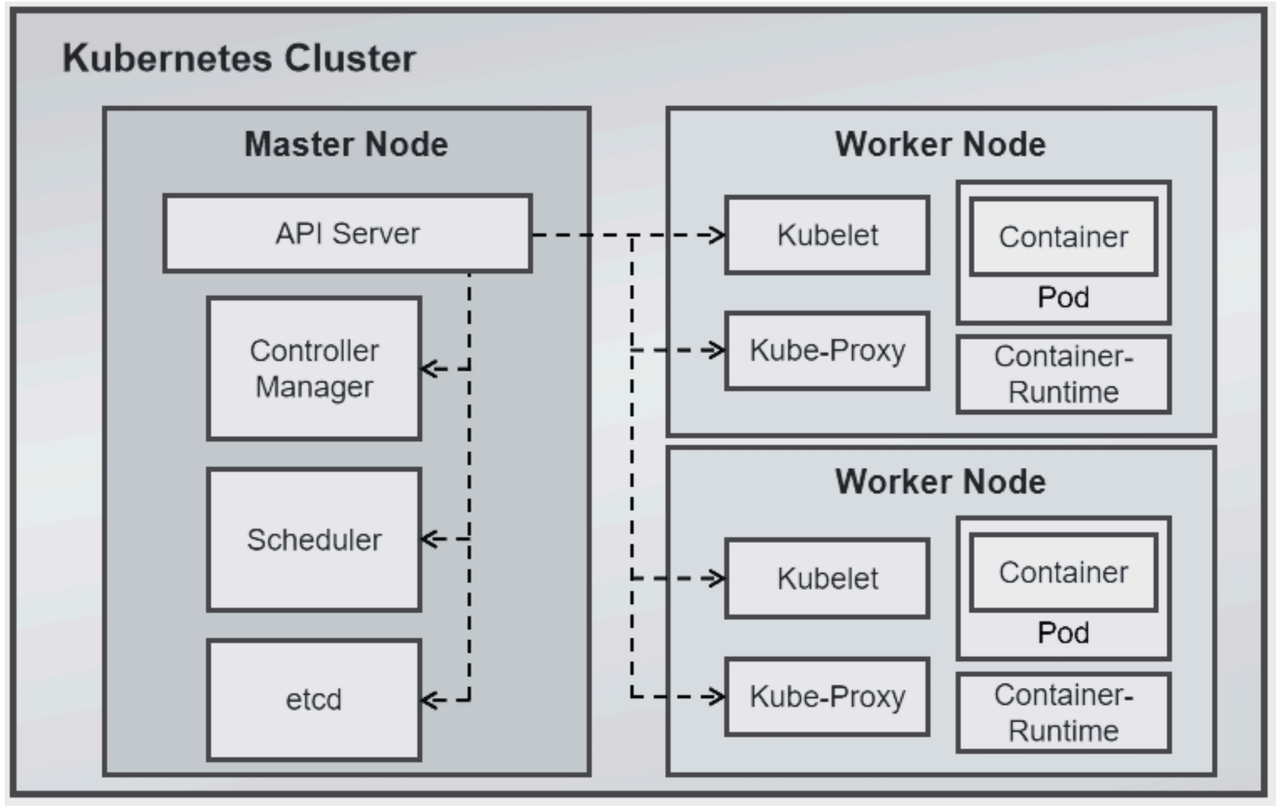
Kubernetes is a container orchestration tool. Kubernetes automates tasks like deploying applications, scaling, monitoring, and rolling out changes. It also helps with service discovery, load balancing, and resource allocation.

KEYWORDS

- Cluster
- Nodes
- Pod
- Container
- deployments
- events



KUBERNETES

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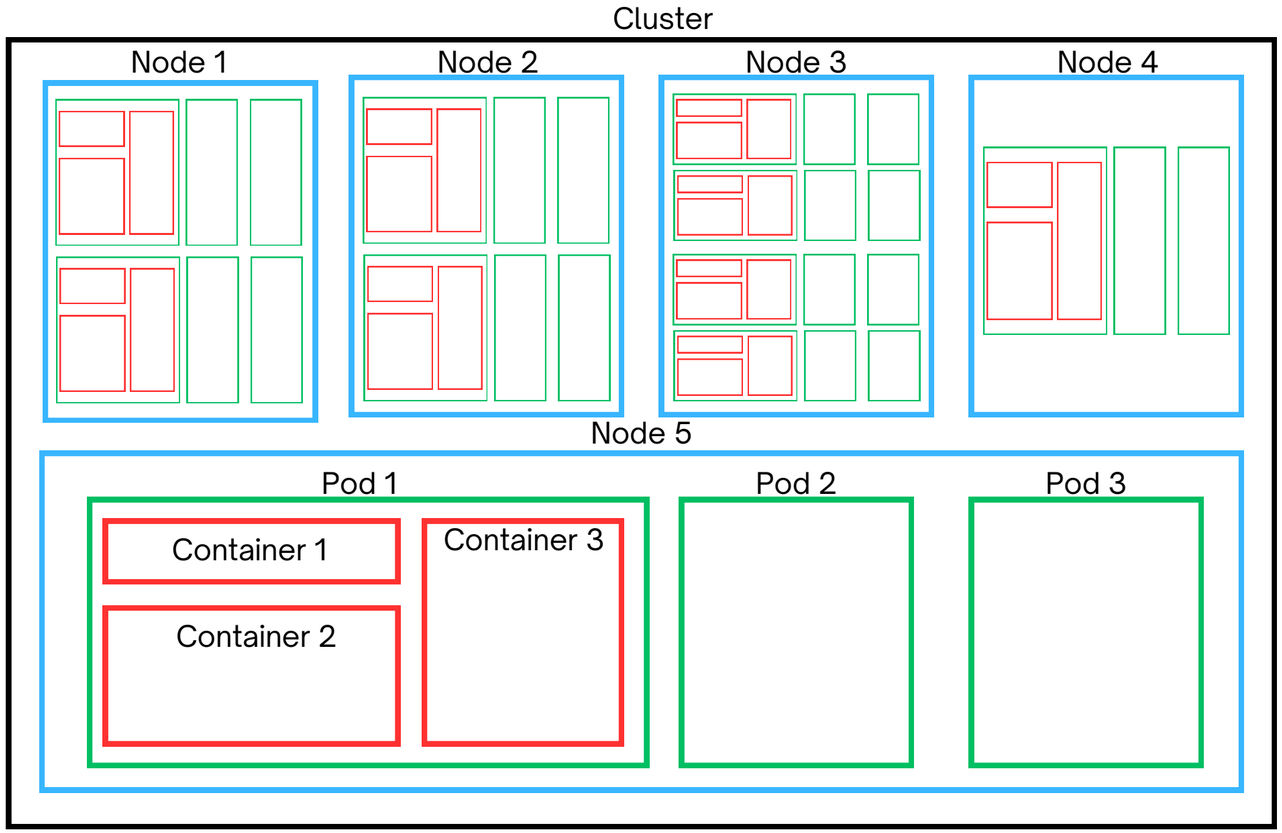
It has below basic components.

KEYWORDS

- Cluster
- Nodes
- Pods
- Containers



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TROUBLESHOOTING

Cheking pod logs for better understanding, what went wrong in deployment

- kubectl
- azure cli
- command prompt

- Subscription name
- Namespare
- Resource group
- Pod name
- App name
- Deployement name

```
az login --user <username> --password <pwd>
az account set --subscription <subscription_name>
az aks get-credentials --resource-group <rg_name> --name <app_name>
kubectl get pods -n <namespace>
kubectl logs <pod_name> -n <namespace>
```

STEPS TO MOVE TO AKS

- app registration (rasie snow request
- collect required information including secrets
- create a docker image
- create pipeline and required info like SPNs for ACR and AKS
- setup akv and mapping with help of AKS team
- whitelisting everything for inter-network transitions
- setup environment in github

APP REGISTRATION

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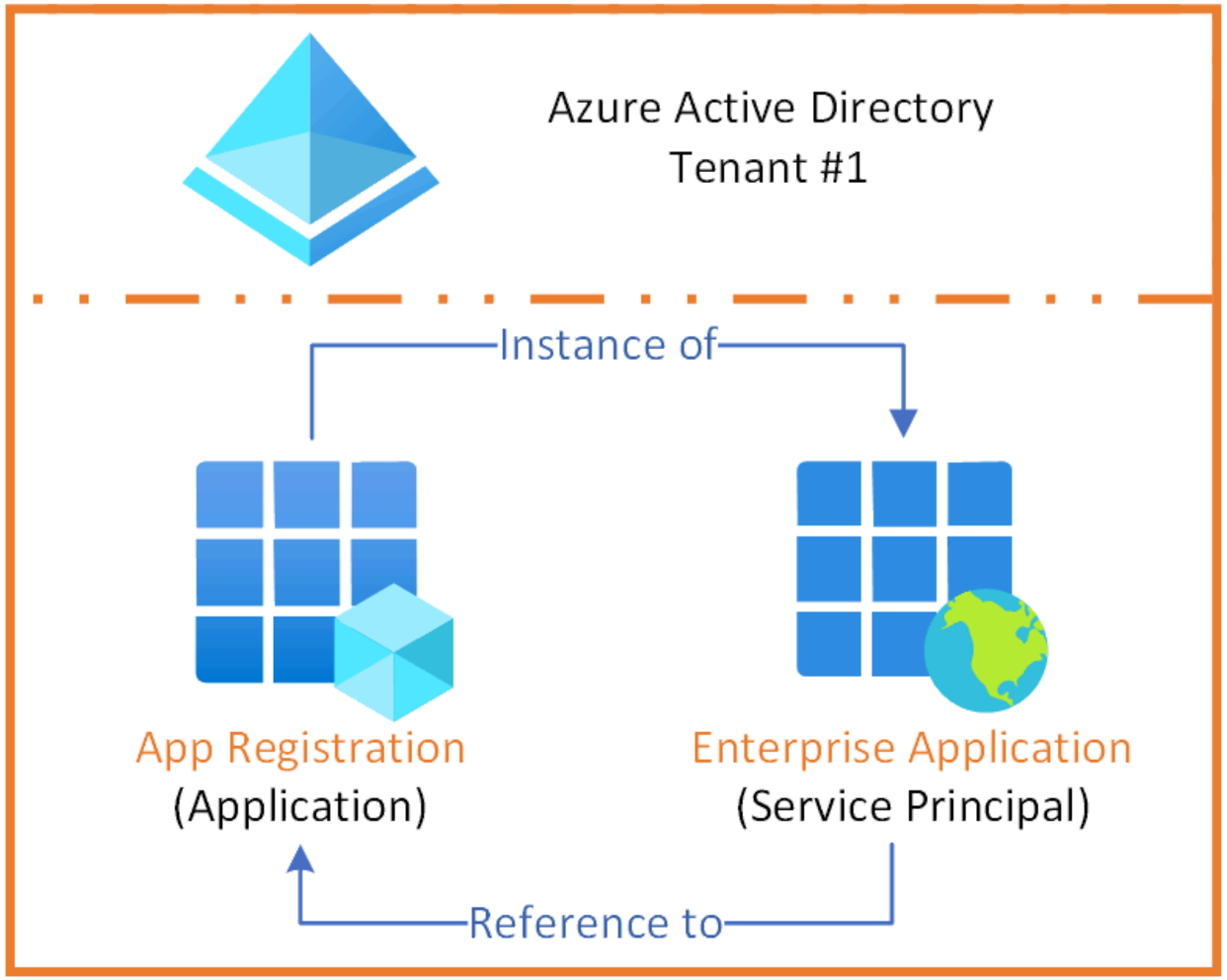
KEYWORDS

- Directory (Tenant ID)
- Application (Client ID)
- Client Secret ID
- Client Secret Value



AZURE KEY VAULT

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KEYWORDS

- Subscription ID
- Key vault URI
- Object
- Key name
- Key Secret

Azure
Key Vault

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THANK YOU

Q&A

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