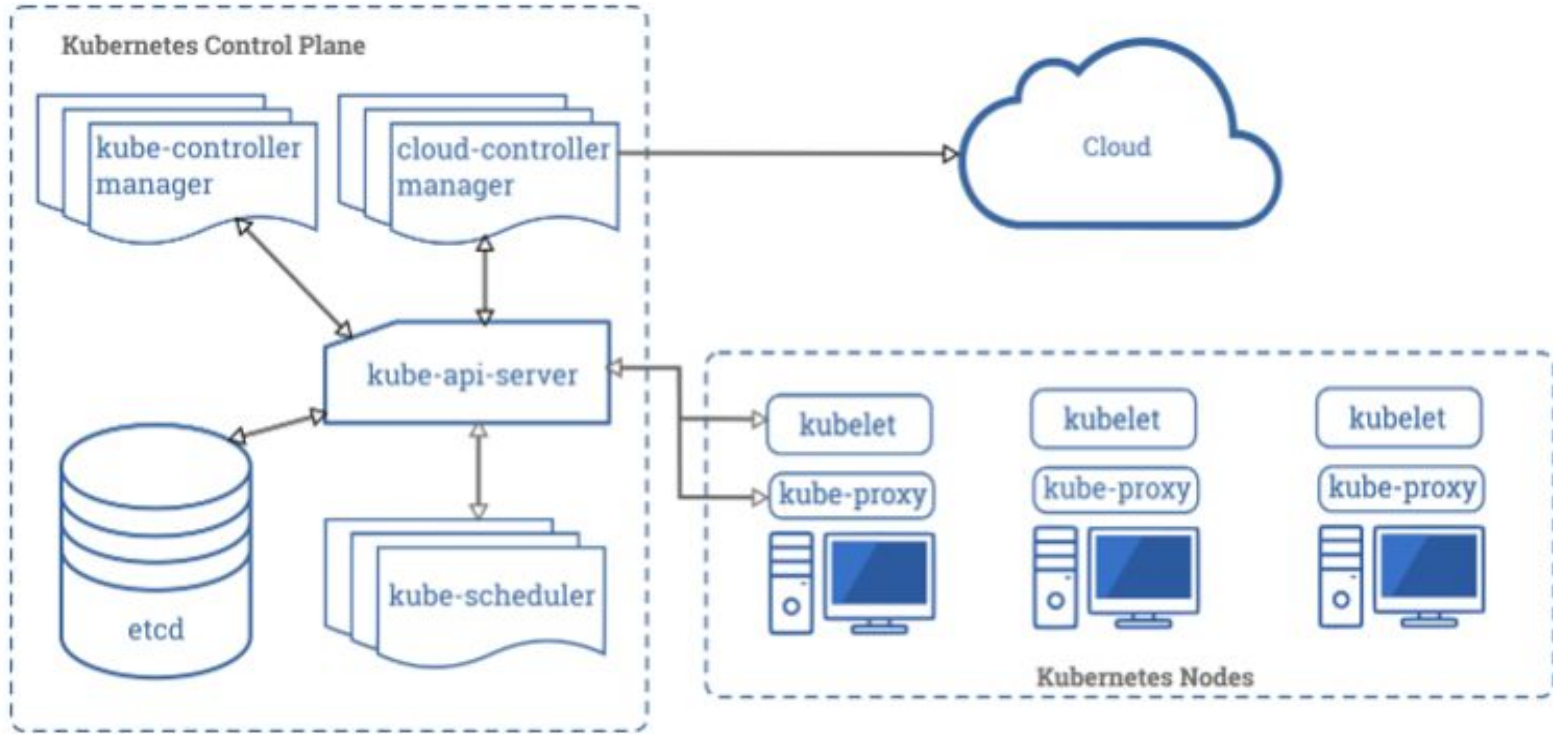




Managing Kubernetes Cluster with AWS EKS



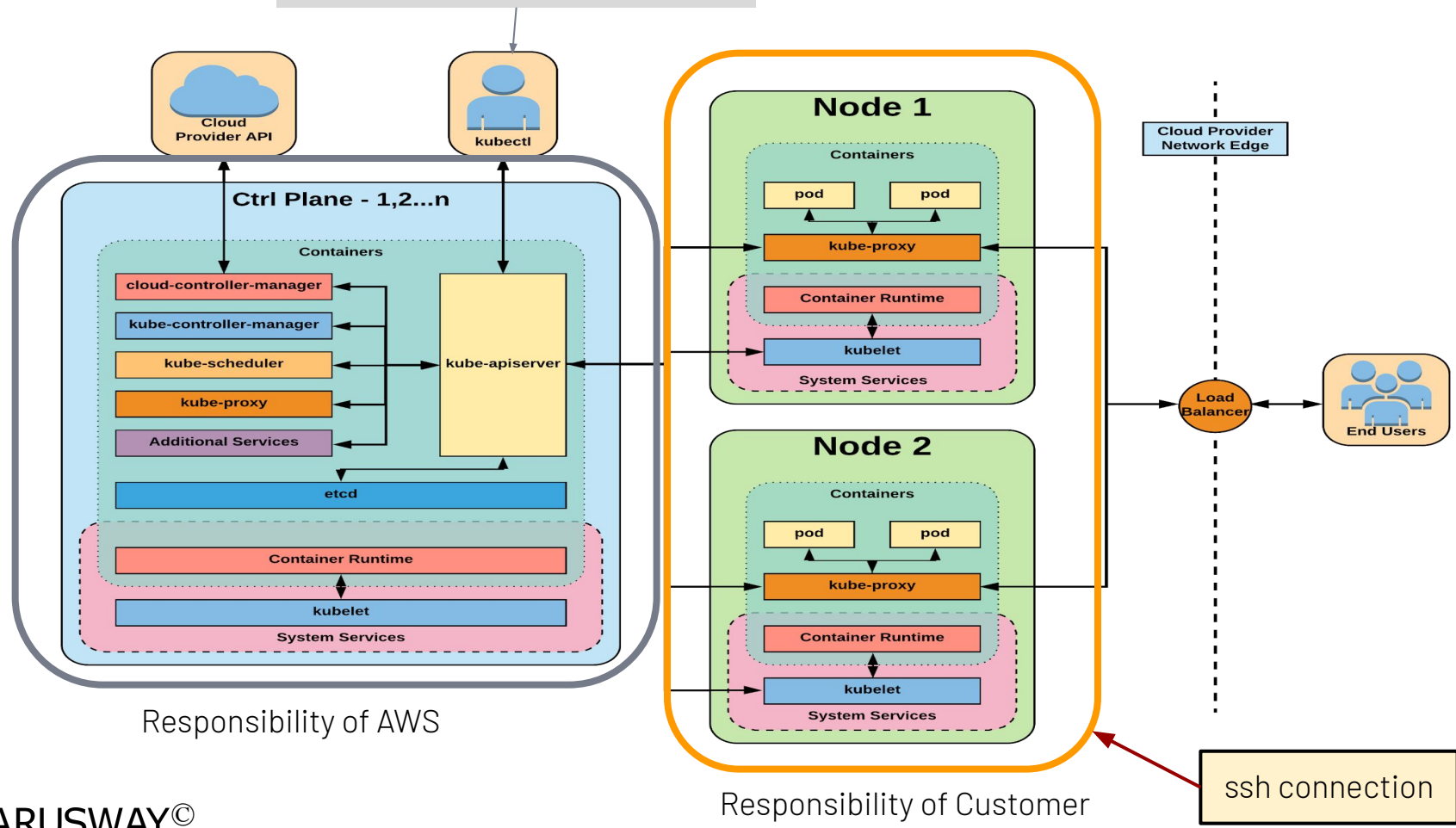
Control Plane Components





Provision of K8s with AWS EKS

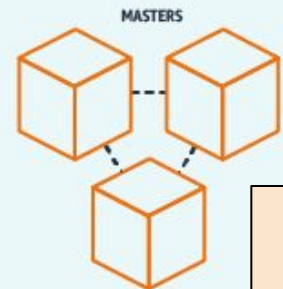
interaction with kubectl CLI



Provision of K8s with AWS EKS

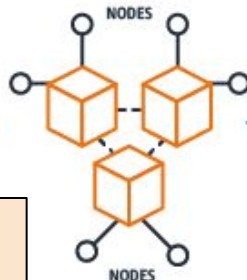


kubectl & aws cli
configuration



Provision an EKS cluster
EKS automatically deploys
Kubernetes masters

creating a
kubeconfig file



Deploy worker nodes
Add worker nodes to your
EKS cluster



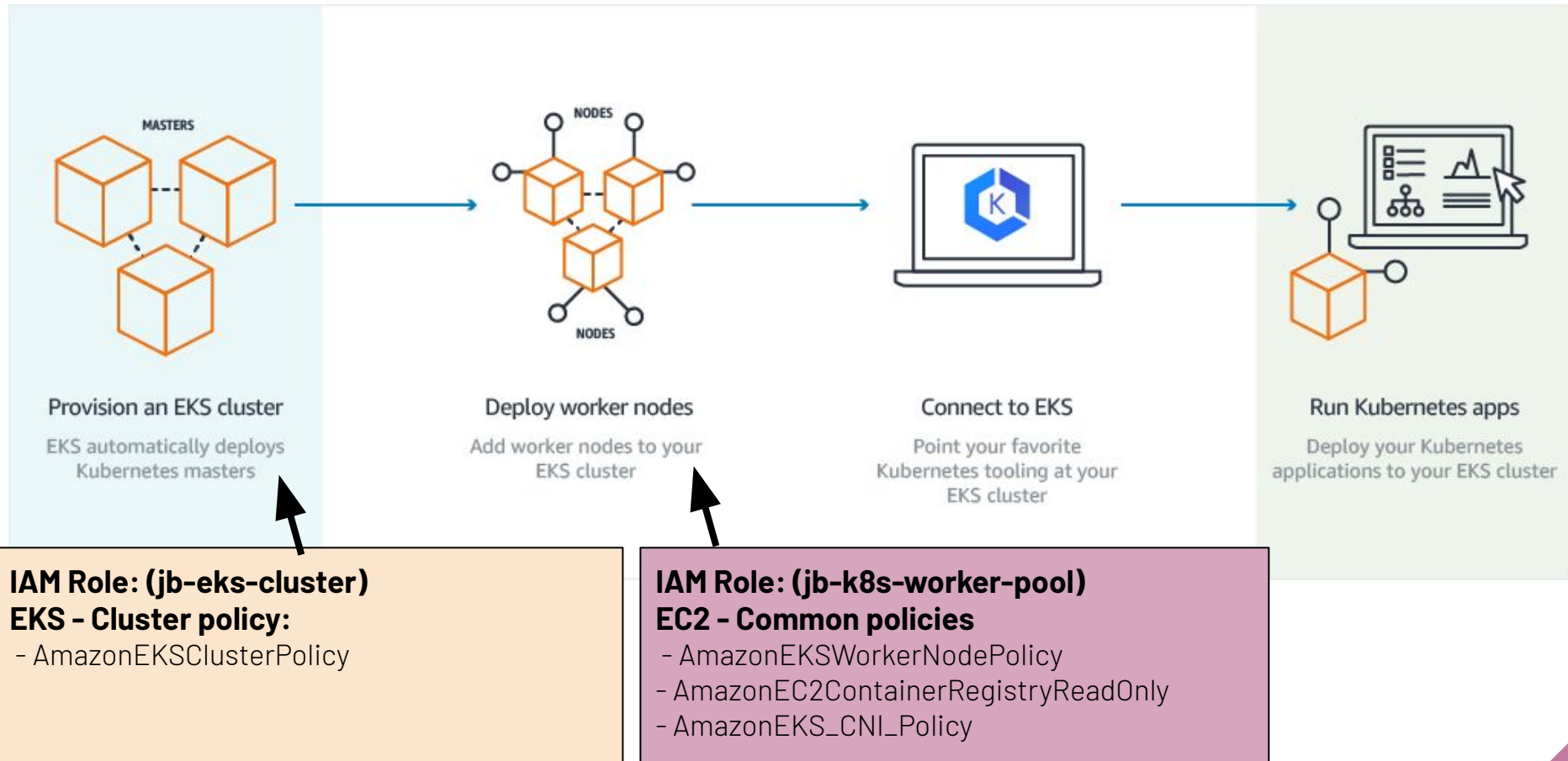
Connect to EKS
Point your favorite
Kubernetes tooling at your
EKS cluster

Configuring
Cluster
Autoscaler



Run Kubernetes apps
Deploy your Kubernetes
applications to your EKS cluster

Role & Policies



Attach ClusterAutoscalerPolicy to Role



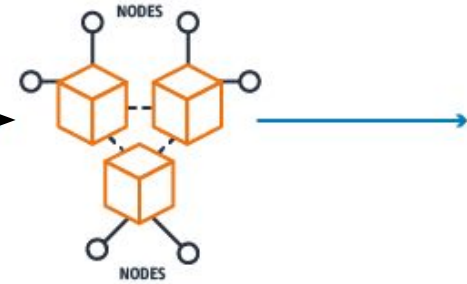
IAM Role: (jb-k8s-worker-pool) EC2 - Common policies

- AmazonEKSWorkerNodePolicy
- AmazonEC2ContainerRegistryReadOnly
- AmazonEKS_CNI_Policy

Attach this policy to the IAM Worker Node Role

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Action": [
        "autoscaling:DescribeAutoScalingGroups",
        "autoscaling:DescribeAutoScalingInstances",
        "autoscaling:DescribeLaunchConfigurations",
        "autoscaling:DescribeTags",
        "autoscaling:SetDesiredCapacity",
        "autoscaling:TerminateInstanceInAutoScalingGroup",
        "ec2:DescribeLaunchTemplateVersions"
      ],
      "Resource": "*",
      "Effect": "Allow"
    }
  ]
}
```

ClusterAutoscalerPolicy



Deploy worker nodes

Add worker nodes to your cluster

Ku



THANKS!

Any questions?

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