

OpenShift:

1. Create a new VPC with the following:
  - a. At least one public subnet
  - b. The number of private subnets that you want for spreading your instances across AZs
  - c. At least one NAT gateway
  - d. VPC endpoint of S3 Gateway
  - e. DNS hostnames enabled
  - f. DNS resolution enabled
2. Create a Route 53 private hosted zone, attach the created VPC to this zone
3. Make sure you have an IAM user with sufficient privileges and generated access keys.  
Info at [https://docs.openshift.com/container-platform/4.10/installing/installing\\_aws/installing-aws-account.html](https://docs.openshift.com/container-platform/4.10/installing/installing_aws/installing-aws-account.html)
4. Launch an instance from AMI into one of the public subnets
5. Edit the file ~/install-config.yaml with your relevant values.
6. Create new empty directory
7. Copy the install-config.yaml file to this directory
8. Run "openshift-install create cluster --dir <path-to-created-dir>"
9. Enter IAM access and secret keys at prompt
10. Wait until the command reports that it has completed the installation

\* AMI will use a service account that points to an IAM Role (with the suitable minimal privileges) created via AWS CloudFormation delivery method in order to access needed AWS resources

For more details refer to: [https://docs.openshift.com/container-platform/4.11/installing/installing\\_aws/installing-aws-account.html#installation-aws-permissions\\_installing-aws-account](https://docs.openshift.com/container-platform/4.11/installing/installing_aws/installing-aws-account.html#installation-aws-permissions_installing-aws-account)