

# Cloudformation

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# 1 Cloudformation template

Template has 3 main sections:

**Parameters:** variables substituted using !Ref

- Default values within the template
- Can override when creating stack

**Resources:** define the AWS resources created by the template

- Every resource must have a Type
- Available Properties depend on resource type
- Use Tags to put visible names on Resources

**Outputs:** present information about created resources

- !Ref and !GetAtt used to access values

## 1.1 VPCs in CloudFormation

- InternetGatewayAttachment attaches internet gateway to VPC.
- No way to access default route table:
  - Must create a route table
  - Add route resource(s) to the new route table
  - Use SubnetRouteTableAssociation to associate new route table
  - Route needs DependsOn attribute to internet gateway
- Can create Key Pairs in CloudFormation, but:
  - Best to manage key pairs outside and pass name in as Parameter