

- **Introduction**

- About the Training Architect
- AWS Free Tier: Usage Tracking and Billing Widget

- **Introduction to CloudFormation**

- CloudFormation Introduction and Syllabus
- CloudFormation Essentials
- Introduction to JSON
- Introduction to YAML
- CloudFormation and IAM

- **Templates In-Depth**

- Template Format and Structure
- Templates In-Depth
- Intrinsic Functions
- Intrinsic Functions Examples
- Condition Functions
- Templates to Stack - S3
- Template to Stack - DynamoDB
- Using CloudFormation Designer
- Using CloudFormer
- Template Best Practices
- CloudFormation and VPCs

- **Stacks In-Depth**

- Introduction to Stacks
- Protecting Your Stacks
- Stacks in Detail
- Rollback Triggers
- Using AWS Config to Monitor Stacks

- **Updating Stacks**

- Updating Stacks
- Updating Stacks, Part 2
- Change Sets
- Cross Stack References

- **CloudFormation from the CLI**

- CLI Installation
- CLI Configuration
- CloudFormation from the CLI
- CloudFormation CLI Lightning Round

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- **Templates - Advanced Concepts**

- Bootstrapping
- Wait Conditions
- Creation Policies
- Helper Scripts
- Stack Policies
- Update Policies
- Helper Script Walkthrough
- Helper Script Flow Diagram

- **CloudFormation Custom Resources**

- Introduction to Lambda
- Custom Resources
- Custom Resources by Example - AMI Selection
- Custom Resources by Example - Password Checker

- **Stack Sets**

- Provisioning at Scale
- Introduction to Stack Sets
- Working with Stack Sets
- Stack Set Best Practices

- **CloudFormation with Deployment Technologies**

- Chef with CloudFormation
- Puppet with CloudFormation
- Docker with CloudFormation
- Kubernetes with CloudFormation

- **CloudFormation Best Practices and Troubleshooting**

- Troubleshooting CloudFormation
- CloudFormation Best Practices
- CloudFormation for Disaster Recovery

