# Reference and Troubleshooting

Reference materials, troubleshooting guides, and additional resources for AWS CDK.

## 📖 Reference Materials

### CLI Reference

* [CLI Commands - Acknowledge](ref-cli-cmd-ack.md) - cdk acknowledge command
* [CLI Commands - Bootstrap](ref-cli-cmd-bootstrap.md) - cdk bootstrap command
* [CLI Commands - Context](ref-cli-cmd-context.md) - cdk context command
* [CLI Commands - Deploy](ref-cli-cmd-deploy.md) - cdk deploy command
* [CLI Commands - Destroy](ref-cli-cmd-destroy.md) - cdk destroy command
* [CLI Commands - Diff](ref-cli-cmd-diff.md) - cdk diff command
* [CLI Commands - Doctor](ref-cli-cmd-doctor.md) - cdk doctor command
* [CLI Commands - Import](ref-cli-cmd-import.md) - cdk import command
* [CLI Commands - Init](ref-cli-cmd-init.md) - cdk init command
* [CLI Commands - List](ref-cli-cmd-list.md) - cdk list command
* [CLI Commands - Logs](ref-cli-cmd-logs.md) - cdk logs command
* [CLI Commands - Metadata](ref-cli-cmd-metadata.md) - cdk metadata command
* [CLI Commands - Migrate](ref-cli-cmd-migrate.md) - cdk migrate command
* [CLI Commands - Notices](ref-cli-cmd-notices.md) - cdk notices command
* [CLI Commands - Synthesize](ref-cli-cmd-synth.md) - cdk synth command
* [CLI Commands - Version](ref-cli-cmd-version.md) - cdk version command
* [CLI Commands - Watch](ref-cli-cmd-watch.md) - cdk watch command

### Resource References

* [Resources](resources.md) - Comprehensive resource documentation

### How-To Guides

* [How-Tos](how-tos.md) - Common tasks and solutions

## 🔧 Troubleshooting

### General Troubleshooting

* [Troubleshooting Bootstrap](troubleshoot-bootstrap.md) - Bootstrap issues
* [Troubleshooting Deploy](troubleshoot-deploy.md) - Deployment problems
* [Troubleshooting Guide](troubleshooting.md) - General troubleshooting

## 🔒 Security and Compliance

### Security Reference

* [Security Overview](security.md) - CDK security considerations
* [IAM Security](security-iam.md) - IAM best practices
* [Infrastructure Security](infrastructure-security.md) - Infrastructure protection
* [Compliance Validation](compliance-validation.md) - Compliance frameworks
* [Disaster Recovery](disaster-recovery-resiliency.md) - DR and resiliency
* [Define IAM L2](define-iam-l2.md) - Level 2 IAM constructs

## 📋 Meta Information

### Documentation

* [Documentation History](doc-history.md) - Change history
* [PGP Keys](pgp-keys.md) - Verification keys

### Node.js

* [Node Versions](node-versions.md) - Supported Node.js versions

## 🎯 Quick Reference

### Common CLI Commands

cdk init app --language typescript # Create new app  
cdk bootstrap # Bootstrap environment   
cdk synth # Synthesize CloudFormation  
cdk deploy # Deploy stack  
cdk destroy # Delete stack  
cdk diff # Show differences

### Troubleshooting Checklist

* ☐ CDK CLI version compatibility
* ☐ AWS credentials configured
* ☐ Environment bootstrapped
* ☐ Permissions sufficient
* ☐ Dependencies up to date

## 🔗 Related Sections

* [CLI Usage](../04-deployment/cli.md) - Detailed CLI guide
* [Getting Started](../01-getting-started/) - Initial setup
* [Development](../03-development/) - Development best practices