# AWS CDK Pipelines Tutorial

This comprehensive guide to creating CDK pipelines has been split into focused sections for better learning.

## 📚 Complete CDK Pipelines Guide

Learn how to create, configure, and manage CDK pipelines step by step:

## Learning Path

1. [**Pipeline Introduction**](01-pipeline-introduction.md) - Overview and concepts
2. [**Pipeline Protection**](02-pipeline-protection.md) - Setting up protection and permissions
3. [**Initialize Pipeline**](03-pipeline-init.md) - Creating your first pipeline
4. [**Define Pipeline**](04-pipeline-define.md) - Configuring pipeline structure and stages
5. [**Pipeline Stages**](05-pipeline-stages.md) - Managing deployment stages and environments
6. [**Pipeline Validation**](06-pipeline-validation.md) - Adding tests and validation steps
7. [**Pipeline Security**](07-pipeline-security.md) - Security considerations and best practices
8. [**Troubleshooting**](08-pipeline-troubleshooting.md) - Common issues and solutions

## Quick Start

If you’re new to CDK pipelines: 1. Start with [Pipeline Introduction](01-pipeline-introduction.md) 2. Follow [Initialize Pipeline](03-pipeline-init.md) to create your first pipeline 3. Use [Define Pipeline](04-pipeline-define.md) to configure it

## Prerequisites

* Basic understanding of AWS CDK concepts
* AWS account with appropriate permissions
* CDK CLI installed and configured

## Related Topics

* [Stages](../stages.md) - Understanding CDK stages
* [Bootstrapping](../../04-deployment/bootstrapping.md) - Environment setup
* [Best Practices](../../03-development/best-practices.md) - CDK best practices