:doctype: book

include::attributes.txt[]

// Attributes [.topic] [#hello-world] = Tutorial: Create your first {aws} CDK app :info\_titleabbrev: Create your first CDK app :info\_abstract: Get started with the {aws} Cloud Development Kit ({aws} CDK) by using the {aws} CDK Command Line Interface ({aws} CDK CLI) to develop your first + CDK app, bootstrap your {aws} environment, and deploy your application on {aws}. :keywords: {aws} CDK, {aws} Cloud Development Kit ({aws} CDK), CDK app, {aws}, {aws} CloudFormation, Infrastructure as code, IaC

== [abstract]

## Get started with the {aws} Cloud Development Kit ({aws} CDK) by using the {aws} CDK Command Line Interface ({aws} CDK CLI) to develop your first CDK app, bootstrap your {aws} environment, and deploy your application on {aws}.

// Content start Get started with using the {aws} Cloud Development Kit ({aws} CDK) by using the {aws} CDK Command Line Interface ({aws} CDK CLI) to develop your first CDK app, bootstrap your {aws} environment, and deploy your application on {aws}.

[#hello-world-prerequisites] == Prerequisites

Before starting this tutorial, complete all set up steps in xref:getting-started[Getting started with the {aws} CDK].

[#hello-world-about,hello-world-about.title] == About this tutorial

In this tutorial, you will create and deploy a simple application on {aws} using the {aws} CDK. The application consists of an https://docs.aws.amazon.com/lambda/latest/dg/welcome.html[{aws} Lambda function] that returns a Hello World! message when invoked. The function will be invoked through a https://docs.aws.amazon.com/lambda/latest/dg/lambda-urls.html[Lambda function URL] that serves as a dedicated HTTP(S) endpoint for your Lambda function.

Through this tutorial, you will perform the following:

* *Create your project* – Create a CDK project using the CDK CLI cdk init command.
* *Configure your {aws} environment* – Configure the {aws} environment that you will deploy your application into.
* *Bootstrap your {aws} environment* – Prepare your {aws} environment for deployment by bootstrapping it using the CDK CLI cdk bootstrap command.
* *Develop your app* – Use constructs from the {aws} Construct Library to define your Lambda function and Lambda function URL resources.
* *Prepare your app for deployment* – Use the CDK CLI to build your app and synthesize an {aws} CloudFormation template.
* *Deploy your app* – Use the CDK CLI cdk deploy command to deploy your application and provision your {aws} resources.
* *Interact with your application* – Interact with your deployed Lambda function on {aws} by invoking it and receiving a response.
* *Modify your app* – Modify your Lambda function and deploy to implement your changes.
* *Delete your app* – Delete all resources that you created by using the CDK CLI cdk destroy command.