include::attributes.txt[]

// Attributes [.topic] [#testing-locally-build-with-sam-cli] = Building {aws} CDK applications with {aws} SAM :info\_titleabbrev: Building :keywords: {aws} SAM, build, {aws} CDK, Lambda

== [abstract]

## Use the sam build command to build {aws} CDK applications.

// Content start

The {aws} SAM CLI provides support for building Lambda functions and layers defined in your {aws} CDK application with +link:https://docs.aws.amazon.com/serverless-application-model/latest/developerguide/sam-cli-command-reference-sam-build.html[sam build]+.

For Lambda functions that use zip artifacts, run cdk synth before you run sam local commands. sam build isn’t required.

If your {aws} CDK application uses functions with the image type, run cdk synth and then run sam build before you run sam local commands. When you run sam build, {aws} SAM doesn’t build Lambda functions or layers that use runtime-specific constructs, for example, +link:https://docs.aws.amazon.com/cdk/api/v2/docs/aws-cdk-lib.aws\_lambda\_nodejs.NodejsFunction.html[NodejsFunction]+. sam build doesn’t support https://docs.aws.amazon.com/cdk/api/v2/docs/aws-cdk-lib.BundlingOptions.html[bundled assets].

[#testing-locally-build-with-sam-cli-examples] == Example

Running the following command from the {aws} CDK project root directory builds the application.

== [source,bash,subs=“verbatim,attributes”]

## $ sam build -t <./cdk.out/CdkSamExampleStack.template.json>