

AWS CodeStar experiments

<https://aws.amazon.com/codestar>

Step 1: select a project template from a very small catalog (35 templates only)

Select template

Set up tools

Start coding

Q

Filter

Application category

☐ Web application

☒ Web service

☐ Alexa Skill

☐ Static Website

☐ AWS Config Rule

Programming languages

☐ C#

☐ Go

☐ HTML 5

☒ Java

☐ Node.js

☐ PHP

☐ Python

☐ Ruby

AWS services


☐ AWS Elastic Beanstalk

☐ Amazon EC2


☐ AWS Lambda

Choose a project template


Start a new software project on AWS in minutes using a project template. [Help me choose](#)




Java Spring




Web service




AWS Lambda
(running serverless)




Java Spring




Web service




Amazon EC2
(runs on virtual servers that you manage)



Java Spring



Web service



AWS Elastic Beanstalk
(runs in a managed application environment)

Note: “asdf35” is the project name I chose (not a randomly generated name).

Step 2: run the whole wizard (git repo setup)




Project details


Project name

Project ID ⓘ [Edit](#)

Which repository do you want to use?
AWS CodeStar will store the project's source code with the service you choose here.



AWS CodeCommit
Highly available Git source control from AWS.
Includes encryption, IAM integration, and more.



GitHub
Creates a GitHub source repository for this project. Requires an existing GitHub account.

Repository name

Step 2: run the whole wizard (deployment: EC2 vs Lambda vs Beanstalk)

Review project details

[Edit Amazon EC2 configuration](#)

AWS CodeStar includes all of the tools and services you need for a development project.
This project includes an AWS CodePipeline connected with the following tools:

Source

Build

Test

Deploy

Monitoring

AWS CodeCommit

AWS CodeBuild

AWS Elastic Beanstalk

Amazon CloudWatch

☒ AWS CodeStar would like permission to administer AWS resources on your behalf. [Learn more](#)

Previous

Create Project

Amazon EC2 Configuration

Instance type

t2.micro

VPC

vpc-c0810ea4 (Default)

Subnet


subnet-8fbc14d7 (eu-west-1c)

Cancel


Save

Step 2: run the whole wizard (IDE integration)


Pick how you want to edit your code




AWS Cloud9
Edit your AWS CodeStar project code with a cloud-based IDE that includes a command line interface. [More info](#)



Command line tools
Edit AWS CodeStar project code by connecting directly to your project's Git source repository.



Eclipse
Configure the AWS Toolkit for Eclipse to edit your AWS CodeStar project code in Eclipse.



Visual Studio
Configure the AWS Toolkit for Visual Studio to edit your CodeStar project code in Microsoft Visual Studio 2015 and later.

You can switch tools at **any time**.

Skip

See instructions

Clone repository URL

HTTPS ▾

https://git-codecommit.eu-west-1.amazonaws.com/v1/repos/asdf35

Copy

Credential details

Step 2: run the whole wizard (IAM, users, permissions,...)

i Important: You must connect to your projects repository before you can start working on project code.

Connect tools

Set this up so you can commit code and work on your application

Connect tools

Project Details

Name	Stack name	ARN
asdf35	awscodestar-asdf35	arn:aws:codestar:eu-west-1:513518152034:project/asdf35

Project Resources

Type	Name	ARN
AWS CloudFormation	stack/awscodestar-asdf35/c262b9a0-c02...	arn:aws:cloudformation:eu-west-1:513518152034:stack/awscodestar-asdf35/c262b9a0-c02e-11ea-ae6a-02dbc193e...
AWS CloudFormation	stack/awscodestar-asdf35-infrastructure/5...	arn:aws:cloudformation:eu-west-1:513518152034:stack/awscodestar-asdf35-infrastructure/520ea9b0-c02f-11ea-8b...
AWS CodeBuild	project/asdf35	arn:aws:codebuild:eu-west-1:513518152034:project/asdf35
AWS CodeCommit	asdf35	arn:aws:codecommit:eu-west-1:513518152034:asdf35
AWS CodePipeline	asdf35-Pipeline	arn:aws:codepipeline:eu-west-1:513518152034:asdf35-Pipeline
AWS Elastic Beanstalk	application/asdf35app	arn:aws:elasticbeanstalk:eu-west-1:513518152034:application/asdf35app
AWS IAM	role/CodeStarWorker-asdf35-EB	arn:aws:iam::513518152034:role/CodeStarWorker-asdf35-EB
AWS IAM	role/CodeStarWorker-asdf35-EBSservice	arn:aws:iam::513518152034:role/CodeStarWorker-asdf35-EBSservice
AWS IAM	role/CodeStarWorker-asdf35-ToolChain	arn:aws:iam::513518152034:role/CodeStarWorker-asdf35-ToolChain
AWS IAM	role/CodeStarWorker-asdf35-CloudFormat...	arn:aws:iam::513518152034:role/CodeStarWorker-asdf35-CloudFormation
AWS IAM	policy/CodeStar_asdf35_PermissionsBoun...	arn:aws:iam::513518152034:policy/CodeStar_asdf35_PermissionsBoundary
Amazon S3	aws-codestar-eu-west-1-513518152034-a...	arn:aws:s3:::aws-codestar-eu-west-1-513518152034-asdf35-pipe
Amazon S3	elasticbeanstalk-eu-west-1-51351815203...	arn:aws:s3:::elasticbeanstalk-eu-west-1-513518152034/resources/environments/e-seachfh7qq

What you get (1/3):
* bunch of AWS resources (S3 buckets, CodePipeline, CloudFormation, JIRA integration,...)

WHAT'S NEW IN 5.2.0

- ▼ .ebextensions
 - set-instance-credit-unlimited.config
 - sshd.config
- ▼ src
 - ▼ main/java/com/aws/codestar/projecttemplates
 - ▼ controller
 - HelloWorldController.java
 - Application.java
 - test/java/com/aws/codestar/projecttemplates/...
 - HelloWorldControllerTest.java
 - README.md
 - buildspec.yml
 - pom.xml
 - template-configuration.json
 - template.yml

Other files used by CodeStar or CloudFormation

ignasi35 / codestar-experiments

<> Code ⓘ Issues 🔗 Pull requests ⏮ Actions 📖 Wiki 🛡 Security 📈 Insights ⚙ Settings

buildspec.yml

Branch: master codestar-experiments / buildspec.yml

AWS CodeCommit Initial commit by AWS CodeCommit Latest commit

0 contributors

26 lines (25 sloc) 1011 Bytes

```
1 version: 0.2
2
3 phases:
4   install:
5     runtime-versions:
6       java: openjdk8
7     commands:
8       - # Upgrade AWS CLI to the latest version
9       - pip install --upgrade awscli
10    pre_build:
11      commands:
12        - mvn clean compile test
13    build:
14      commands:
15        - mvn war:exploded
16    post_build:
17      commands:
18        - cp -r .ebextensions/ target/ROOT/
19        - aws cloudformation package --template template.yml --s3-bucket $S3_BUCKET --output-template-file template-export.yml
20        - # Do not remove this statement. This command is required for AWS CodeStar projects.
21        - # Update the AWS Partition, AWS Region, account ID and project ID in the project ARN on template-configuration.json file so AWS
22        - sed -i.bak 's/\${PARTITION}/${PARTITION}'/g;s/\${AWS_REGION}/${AWS_REGION}'/g;s/\${ACCOUNT_ID}/${ACCOUNT_ID}'/g;s/\${PROJECT
23 artifacts:
24   files:
25     - 'template-export.yml'
26     - 'template-configuration.json'
```

What you get (2/3):
* skeleton project with extras for CodeBuild, AWS Elastic Beanstalk, ...

<https://github.com/ignasi35/codestar-experiments>

