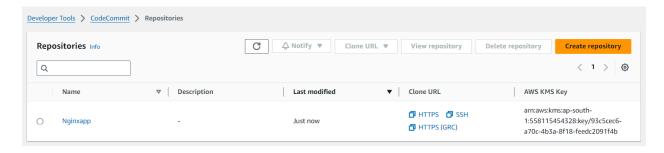
# Deploy a simple Nginx application using AWS code commit and deploy & access via browser





```
Windows PowerShell
 PS C:\Users\USER> cd Downloads/
 PS C:\Users\USER\Downloads> git clone https://git-codecommit.ap-south-1.amazonaws.com/v1/repos/Nginxapp
Cloning into 'Nginxapp'...
warning: You appear to have cloned an empty repository.
PS C:\Users\USER\Downloads> cd Nginxapp/
 PS C:\Users\USER\Downloads\Nginxapp> ls
          Directory: C:\Users\USER\Downloads\Nginxapp
                                                                                                     Length Name
Mode
                                                 LastWriteTime
                                 07-05-2024
                                                                    10:11
                                                                                                                     scripts
                                 07-05-2024
07-05-2024
                                                                                                            271 appspec.yml
333 buildspec.yml
                                                                    10:11
                                                                    10:11
                                  07-05-2024
                                                                    10:11
                                                                                                            452 index.html
PS C:\Users\USER\Downloads\Nginxapp> git add .
warning: in the working copy of 'appspec.yml', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'buildspec.yml', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'scripts/install_nginx.sh', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'scripts/start_nginx.sh', LF will be replaced by CRLF the next time Git touches it
PS C:\Users\USER\Downloads\Nginxapp> git commit -m "Pipeline"

[master (root-commit) 524fbf7] Pipeline
5 files changed, 68 insertions(+)
create mode 1006444 appspec.yml
create mode 1006444 buildspec.yml
create mode 1006444 index.html
   create mode 100644 index.html
    create mode 100644 scripts/install_nginx.sh
```

```
PS C:\Users\USER\Downloads\Nginxapp> git branch

* master

PS C:\Users\USER\Downloads\Nginxapp> git push -u origin master

Enumerating objects: 8, done.

Counting objects: 100% (8/8), done.

Delta compression using up to 4 threads

Compressing objects: 100% (7/7), done.

Writing objects: 100% (8/8), 1.04 KiB | 266.00 KiB/s, done.

Total 8 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

remote: Validating objects: 100%

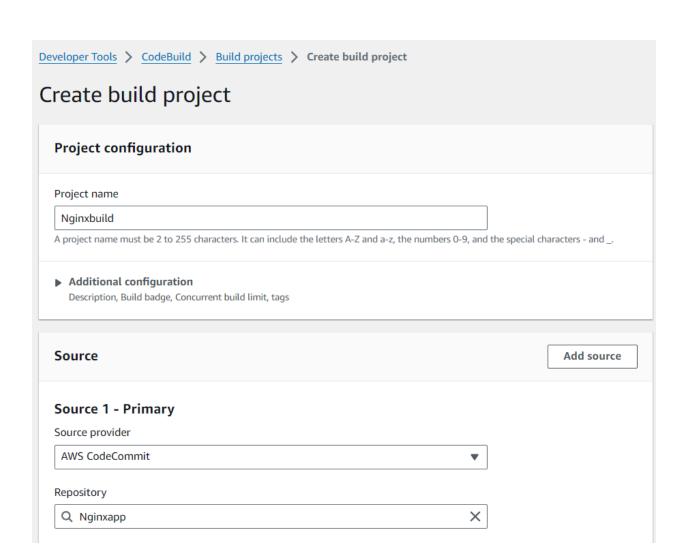
To https://git-codecommit.ap-south-1.amazonaws.com/v1/repos/Nginxapp

* [new branch] master -> master

branch 'master' set up to track 'origin/master'.

PS C:\Users\USER\Downloads\Nginxapp> |
```





Reference type Choose the source version reference type that contains your source	codo
Branch	code.
Git tag	
○ Commit ID	
Branch Choose a branch that contains the code to build.	Commit ID - optional Choose a commit ID. This can shorten the duration of your build.
master <b>v</b>	Q
Source version Info	
refs/heads/master	
524fbf74 Pipeline	
► Additional configuration  Git clone depth, Git submodules	
Git clone depth, Git submodules	
Git clone depth, Git submodules  Environment	Reserved capacity Use a dedicated fleet of instances for builds. A fleet's compute and environment type will be used for the project.
Environment  Provisioning model Info ☑  On-demand Automatically provision build infrastructure in response	Use a dedicated fleet of instances for builds. A fleet's compute and environment type will be used for the

# Operating system Ubuntu Runtime(s) Standard Image aws/codebuild/standard:7.0 Image version Always use the latest image for this runtime version Service role O Existing service role New service role Create a service role in your account Choose an existing service role from your account Role name codebuild-Nginxbuild-service-role Type your service role name

## ▶ Additional configuration

Timeout, privileged, certificate, VPC, compute type, environment variables, file systems

# Buildspec **Build specifications** Insert build commands Use a buildspec file Store build commands as build project configuration Store build commands in a YAML-formatted buildspec file Buildspec name - optional By default, CodeBuild looks for a file named buildspec.yml in the source code root directory. If your buildspec file uses a different name or location, enter its path from the source root here (for example, buildspec-two.yml or configuration/buildspec.yml). buildspec.yml **Batch configuration** You can run a group of builds as a single execution. Batch configuration is also available in advanced option when starting build. Define batch configuration - optional You can also define or override batch configuration when starting a build batch. **Artifacts** Add artifact Artifact 1 - Primary Туре

Amazon S3 ▼

You might choose no artifacts if you are running tests or pushing a Docker image to Amazon ECR.

#### Bucket name



#### Name

The name of the folder or compressed file in the bucket that will contain your output artifacts. Use Artifacts packaging under Additional configuration to choose whether to use a folder or compressed file. If the name is not provided, defaults to project name.

artifact

Enable semantic versioning

Use the artifact name specified in the buildspec file

### Path - optional

The path to the build output ZIP file or folder.

artifact.zip

Example: MyPath/MyArtifact.zip.

#### Namespace type - optional

None

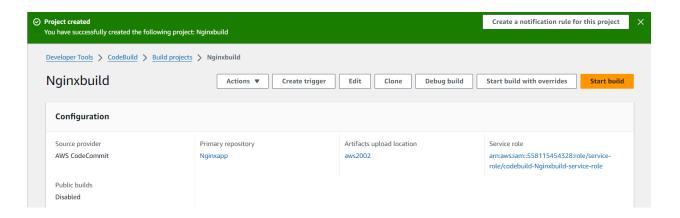
Choose Build ID to insert the build ID into the path to the build output ZIP file or folder, e.g. MyPath/MyBuildID/MyArtifact.zip. Otherwise, choose None.

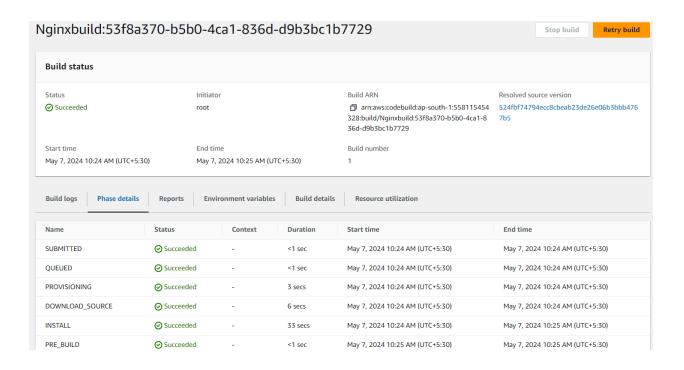
## Artifacts packaging

None
 The artifact files will be uploaded to the bucket.

Zip

AWS CodeBuild will upload artifacts into a compressed file that is put into the specified bucket.

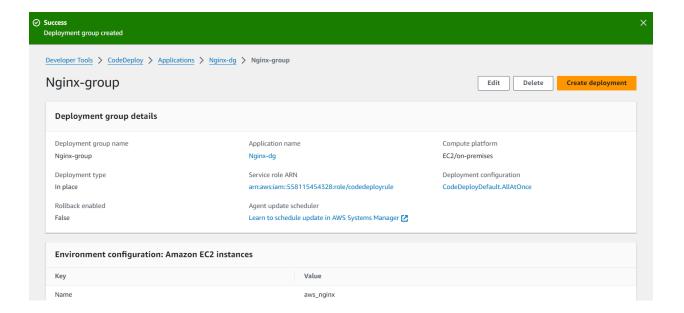


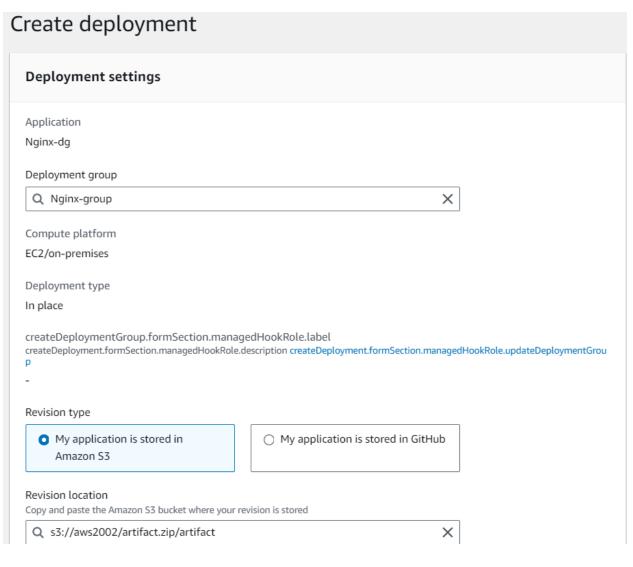


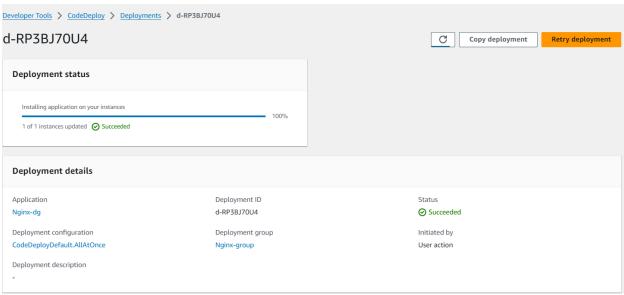


pplication		
pplication		
ginx-dg		
ompute type C2/on-premises		
eployment group name		
nter a deployment group name		
Deployment group name  Inter a deployment group name  Nginx-group  O character limit		
nter a deployment group name Nginx-group 00 character limit		
nter a deployment group name Nginx-group	by access to your target insta	nces.

Environment configuration							
Select any combination of Amato this deployment	azon EC2 Auto	o Scaling groups, Amazon EC2	2 instances and on	-premises instances	to add		
☐ Amazon EC2 Auto Scaling o	jroups						
✓ Amazon EC2 instances 1 unique matched instance. Clie	ck here for de	tails 🔼					
You can add up to three groups of tags for EC2 instances to this deployment group.  One tag group: Any instance identified by the tag group will be deployed to.  Multiple tag groups: Only instances identified by all the tag groups will be deployed to.							
Tag group 1 Key							
Q Name	×	Value - optional  Q aws_nginx	×	Remove tag			
Add tag  + Add tag group							
On-premises instances							
Matching instances 1 unique matched instance. Cli	ck here for de	etails 🛂					







Event	Duration	Status	Error code	Start time	End time
ApplicationStop	less than one second	Succeeded	-	May 7, 2024 11:09 AM (UTC+5:30)	May 7, 2024 11:09 AM (UTC+5:30)
DownloadBundle	less than one second	Succeeded	-	May 7, 2024 11:09 AM (UTC+5:30)	May 7, 2024 11:09 AM (UTC+5:30)
BeforeInstall	less than one second	Succeeded	-	May 7, 2024 11:09 AM (UTC+5:30)	May 7, 2024 11:09 AM (UTC+5:30)
Install	less than one second	Succeeded	-	May 7, 2024 11:09 AM (UTC+5:30)	May 7, 2024 11:09 AM (UTC+5:30)
AfterInstall	10 seconds	Succeeded	-	May 7, 2024 11:09 AM (UTC+5:30)	May 7, 2024 11:09 AM (UTC+5:30)
ApplicationStart	1 second	Succeeded	-	May 7, 2024 11:09 AM (UTC+5:30)	May 7, 2024 11:09 AM (UTC+5:30)
ValidateService	less than one second	Succeeded	-	May 7, 2024 11:09 AM (UTC+5:30)	May 7, 2024 11:09 AM (UTC+5:30)

