

# AWS CODE PIPELINE - SCREENSHOTS

The screenshot shows the AWS CodePipeline console with the pipeline 'Nginxapp-pipeline' selected. The 'Most recent executions' section displays two successful pipeline executions. The first execution, triggered by 'PollForSourceChanges', has a Pipeline execution ID of [7a5a6225](#) and was last updated 2 minutes ago. The second execution, also triggered by 'PollForSourceChanges', has a Pipeline execution ID of [fe3b586c](#) and was last updated 6 minutes ago. A 'Done' button is visible at the bottom right of the modal.

This screenshot shows the details of the first pipeline execution ([7a5a6225](#)). It includes sections for 'Build' (AWS CodeBuild, Succeeded, 2 minutes ago) and 'Deploy' (AWS CodeDeploy, Succeeded, 1 minute ago). A 'Start rollback' button is located next to the Deploy section. The status bar indicates the execution ID is [7a5a6225-7c23-47c1-bd87-50642c63ec59](#). A 'Disable transition' button is also present.

The screenshot shows the AWS CodePipeline Execution history page. The left sidebar contains navigation links for Source, Artifacts, Build, Deploy, Pipeline, and Settings. The main content area displays the 'Execution history' table with two entries:

Execution ID	Status	Source revisions	Trigger	Started	Duration	Completed
7a5a6225	Succeeded	Source - <a href="#">d8770efc</a> : Changes - Trigger automatically	PollForSource	Sep 27, 2024 12:36 PM (UTC+5:30)	1 minute 38 seconds	Sep 27, 2024 12:38 PM (UTC+5:30)
fe3b586c	Succeeded	Source - <a href="#">6b295faa</a> : Changes - check trigger manually this first time	PollForSource	Sep 27, 2024 12:33 PM (UTC+5:30)	1 minute 8 seconds	Sep 27, 2024 12:35 PM (UTC+5:30)

The browser status bar at the bottom indicates the URL is 13.233.134.221 and the page was last modified on 27-09-2024 at 12:38.

Screenshot of the AWS CloudShell interface showing the creation of a new CodePipeline named "Nginxapp-pipeline".

The pipeline has been successfully created, and the Source stage (AWS CodeCommit) has completed with a status of "Succeeded".

```
<?xml version="1.0"?>
<html>
  <head>
    <title>Hello Devops and code Pipeline trigger automatically</title>
  </head>
  <body>
    <h1>Hello Devops and code Pipeline trigger automatically</h1>
    <p></p>
  </body>
</html>
```

**Success**  
Congratulations! The pipeline Nginxapp-pipeline has been created.

Developer Tools > CodePipeline > Pipelines > Nginxapp-pipeline

Pipeline type: V2 Execution mode: QUEUED

Source Succeeded

Pipeline execution ID: fe3b586c-65c5-42ba-8cf2-9af2e3cebd72

Source: AWS CodeCommit  
Status: Succeeded - Just now  
Gb295faa  
View details

Go to resource Feedback

Screenshot of the AWS CodePipeline console showing the creation of a new pipeline. The pipeline is currently at Step 4: Add deploy stage.

**AWS CodeBuild**

ProjectName: Nginxapp

**Step 4: Add deploy stage**

**Deploy action provider**

Deploy action provider: AWS CodeDeploy

ApplicationName: www

DeploymentGroupName: wwwgrp

Configure automatic rollback on stage failure: Disabled

Buttons: Cancel, Previous, Create pipeline

Screenshot of the AWS CodePipeline console showing the creation of a new pipeline. The pipeline is currently at Step 5: Add deploy stage.

**Add deploy stage**

Step 5

Review

**Region**: Asia Pacific (Mumbai)

**Input artifacts**: Choose an input artifact for this action. Learn more [?](#)

**BuildArtifact**: No more than 100 characters

**Application name**: Choose an application that you have already created in the AWS CodeDeploy console. Or create an application in the AWS CodeDeploy console and then return to this task.

www

**Deployment group**: Choose a deployment group that you have already created in the AWS CodeDeploy console. Or create a deployment group in the AWS CodeDeploy console and then return to this task.

wwwgrp

Configure automatic rollback on stage failure

Buttons: Cancel, Previous, Skip deploy stage, Next



Screenshot of the AWS CodePipeline console showing the creation of a new pipeline. The pipeline is currently at Step 4: Add deploy stage.

**Add deploy stage**

**Deploy provider**: AWS CodeDeploy

**Region**: Asia Pacific (Mumbai)

**Input artifacts**: BuildArtifact

**Application name**: Nginxapp

**Add build stage**

**Build provider**: AWS CodeBuild

**Region**: Asia Pacific (Mumbai)

**Input artifacts**: SourceArtifact

**Project name**: Nginxapp

**Environment variables - optional**: Add environment variable

**Build type**

Screenshot of the AWS CodePipeline console showing the "Add source stage" step. The pipeline is at Step 2 of 5. The "Source" provider is set to "AWS CodeCommit". The repository name is "Nginxapp" and the branch name is "master". Under "Change detection options", "AWS CodePipeline" is selected.

Screenshot of the AWS CodePipeline console showing the main dashboard. It features a sidebar with "Developer Tools" and "CodePipeline" sections, and a central area with the title "AWS CodePipeline" and subtext "Visualize and automate the different stages of your software release process". A "Create AWS CodePipeline pipeline" button is visible.

```
[{"Logs": "https://ap-south-1.console.aws.amazon.com/codesuite/codecommit/repositories/Nginxapp/browse/refs/heads/master/-/index.html?region=ap-south-1"}]
```

The screenshot shows a CloudWatch Metrics Insights view with a single log entry. The log entry is a JSON object with a single key-value pair:

```
[{"Logs": "https://ap-south-1.console.aws.amazon.com/codesuite/codecommit/repositories/Nginxapp/browse/refs/heads/master/-/index.html?region=ap-south-1"}]
```

Screenshot of the AWS CloudShell interface showing the configuration of EC2 inbound rules.

The screenshot shows the AWS CloudShell interface with multiple tabs open. The main tab displays the "Edit inbound rules" page for an EC2 instance. The table lists two rules:

Security group rule ID	Type	Protocol	Port range	Source	Description - optional
sgr-0c164eeb669553b24	SSH	TCP	22	Cust...	0.0.0.0/0
-	Custom TCP	TCP	80	Any...	0.0.0.0/0 Nginx Port

A warning message at the bottom states: "⚠ Rules with source of 0.0.0.0/0 or ::/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only." Buttons for "Cancel", "Preview changes", and "Save rules" are visible.

Below this, another tab shows "Revision details" for a deployment. It includes a table of event logs:

Event	Duration	Status	Error code	Start time	End time
ApplicationStop	less than one second	<span style="color: green;">Succeeded</span>	-	Sep 27, 2024 11:43 AM (UTC+5:30)	Sep 27, 2024 11:43 AM (UTC+5:30)
DownloadBundle	less than one second	<span style="color: green;">Succeeded</span>	-	Sep 27, 2024 11:43 AM (UTC+5:30)	Sep 27, 2024 11:43 AM (UTC+5:30)
BeforeInstall	less than one second	<span style="color: green;">Succeeded</span>	-	Sep 27, 2024 11:43 AM (UTC+5:30)	Sep 27, 2024 11:43 AM (UTC+5:30)
Install	less than one second	<span style="color: green;">Succeeded</span>	-	Sep 27, 2024 11:43 AM (UTC+5:30)	Sep 27, 2024 11:43 AM (UTC+5:30)
AfterInstall	17 seconds	<span style="color: green;">Succeeded</span>	-	Sep 27, 2024 11:43 AM (UTC+5:30)	Sep 27, 2024 11:43 AM (UTC+5:30)
ApplicationStart	1 second	<span style="color: green;">Succeeded</span>	-	Sep 27, 2024 11:43 AM (UTC+5:30)	Sep 27, 2024 11:43 AM (UTC+5:30)
ValidateService	less than one second	<span style="color: green;">Succeeded</span>	-	Sep 27, 2024 11:43 AM (UTC+5:30)	Sep 27, 2024 11:43 AM (UTC+5:30)

Code search results wisdom\_repo/codepipeline/inf... d-R2BFIG2G7 | CodeDeploy | EC2 Instance Connect bucket-nginxapp - S3 bucket | +

ap-south-1.console.aws.amazon.com/codesuite/codedeploy/deployments/d-R2BFIG2G7?region=ap-south-1

aws Services Search [Alt+S]

Mumbai Nidhya

**Success Deployment created**

**d-R2BFIG2G7**

**Deployment status**

Installing application on your instances 100%  
1 of 1 instances updated Succeeded

**Deployment details**

Application	Deployment ID	Status
www	d-R2BFIG2G7	Succeeded

Deployment configuration Deployment group Initiated by

**Stop deployment Stop and roll back deployment**

CloudShell Feedback Type here to search 28°C 1144 27-09-2024

Code search results wisdom\_repo/codepipeline/inf... d-R2BFIG2G7 | CodeDeploy | EC2 Instance Connect bucket-nginxapp - S3 bucket | +

ap-south-1.console.aws.amazon.com/codesuite/codedeploy/deployments/d-R2BFIG2G7?region=ap-south-1

aws Services Search [Alt+S]

Mumbai Nidhya

**Success Deployment created**

**d-R2BFIG2G7**

**Deployment status**

Installing application on your instances 0%  
0 of 1 instances updated In progress

**Deployment details**

Application	Deployment ID	Status
www	d-R2BFIG2G7	In progress

Deployment configuration Deployment group Initiated by

**Stop deployment Stop and roll back deployment**

CloudShell Feedback Type here to search 28°C 1143 27-09-2024

The screenshot shows the AWS CloudWatch Metrics interface. A log stream named "CodeDeploy-Deploy-nginxapp-1-2024-09-27-11-27-11-27" is selected. The log content is as follows:

```
2024-09-27T11:27:11+00:00 deploy-nginxapp-1-2024-09-27-11-27-11-27 [INFO] Starting deployment: deploy-nginxapp-1-2024-09-27-11-27-11-27
```

Screenshot of the AWS CloudShell interface showing the deployment group creation process.

**CodeDeploy Deployment Group Creation:**

- Deployment group name:** deploygrp1
- Application name:** deploy-nginxapp
- Compute platform:** EC2/On-premises
- Service role ARN:** arn:aws:iam::992382789479:role/deployrole
- Deployment type:** In-place
- Rollback enabled:** False
- Agent update scheduler:** Manager

**Environment configuration: Amazon EC2 instances**

```

dpkg-deb: building package 'codedeploy-agent' in 'codedeploy-agent_1.3.2-1902_amd64.deb'.
Selecting previously unselected package codedeploy-agent.
(Reading database ... 81740 files and directories currently installed.)
Preparing to unpack codedeploy-agent_1.3.2-1902_amd64.deb ...
Unpacking codedeploy-agent (1.3.2-1902) ...
Setting up codedeploy-agent (1.3.2-1902) ...
codedeploy-agent.service is not a native service, redirecting to systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable codedeploy-agent
codedeploy-agent.service loaded active running LSB: AWS CodeDeploy Host Agent
● codedeploy-agent.service - LSB: AWS CodeDeploy Host Agent
  Loaded: loaded (/etc/init.d/codedeploy-agent; generated)
  Active: active (running) since Fri 2024-09-27 05:48:19 UTC; 72ms ago
    Docs: man:systemd-sysv-generator(8)
  Process: 4371 ExecStart=/etc/init.d/codedeploy-agent start (code=exited, status=0/SUCCESS)
    Tasks: 2 (limit: 1120)
   Memory: 37.1M
      CPU: 529ms
     CGroup: /system.slice/codedeploy-agent.service
             └─4377 "codedeploy-agent: master" 4377
                  ├─4379 "codedeploy-agent: booting child" 4379

Sep 27 05:48:18 ip-172-31-37-235 systemd[1]: Starting LSB: AWS CodeDeploy Host Agent...
Sep 27 05:48:19 ip-172-31-37-235 codedeploy-agent[4371]: Starting codedeploy-agent:
Sep 27 05:48:19 ip-172-31-37-235 systemd[1]: Started LSB: AWS CodeDeploy Host Agent.
lines 1-15/15 (END)

```

**i-0480fb9f4a6c8176 (CodePipeline)**

PublicIPs: 13.233.134.221 PrivateIPs: 172.31.37.235

```
#!/bin/bash
# This installs the CodeDeploy agent and its prerequisites on Ubuntu 22.04.
sudo apt-get update
sudo apt-get install ruby-full ruby-webrick wget -y
cd /tmp
wget https://aws-codedeploy-ap-south-1.s3.ap-south-1.amazonaws.com/releases/codedeploy-agent_1.3.2-1902_all.deb
mkdir codedeploy-agent_1.3.2-1902_ubuntu22
dpkg-deb -R codedeploy-agent_1.3.2-1902_all.deb codedeploy-agent_1.3.2-1902_ubuntu22
sed 's/Depends: */Depends:ruby3.0/' -i ./codedeploy-agent_1.3.2-1902_ubuntu22/DEBIAN/control
dpkg-deb -b codedeploy-agent_1.3.2-1902_ubuntu22/
sudo dpkg -i codedeploy-agent_1.3.2-1902_ubuntu22.deb
systemctl list-units --type=service | grep codedeploy
sudo service codedeploy-agent status

-- INSERT --
i-0480fbf9f4a6c8176 (CodePipeline)
PublicIPs: 13.233.134.221 PrivateIPs: 172.31.37.235
```

```
To see these additional updates run: apt list --upgradable
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

New release '24.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Fri Sep 27 04:19:17 2024 from 13.233.177.3
ubuntu@ip-172-31-37-235:~$ sudo apt update
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Hit:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Fetched 257 kB in 1s (219 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
74 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-37-235:~$ vi install.sh
ubuntu@ip-172-31-37-235:~$ ./install.sh
:bash: ./install.sh: Permission denied
ubuntu@ip-172-31-37-235:~$ sudo chmod +x install.sh
ubuntu@ip-172-31-37-235:~$ ./install.sh
```

i-0480fbf9f4a6c8176 (CodePipeline)

PublicIPs: 13.233.134.221 PrivateIPs: 172.31.37.235



```
#!/bin/bash
# This installs the CodeDeploy agent and its prerequisites on Ubuntu 22.04.
sudo apt-get update
sudo apt-get install ruby-full ruby-webrick wget -y
cd /tmp
wget https://aws-codedeploy-ap-south-1.s3.us-east-1.amazonaws.com/releases/codedeploy-agent_1.3.2-1902_all.deb
mkdir codedeploy-agent_1.3.2-1902_ubuntu22
dpkg-deb -R codedeploy-agent_1.3.2-1902_all.deb codedeploy-agent_1.3.2-1902_ubuntu22
sed 's/Depends: ruby3.0/' -i ./codedeploy-agent_1.3.2-1902_ubuntu22/DEBIAN/control
dpkg-deb -b codedeploy-agent_1.3.2-1902_ubuntu22/
sudo dpkg -i codedeploy-agent_1.3.2-1902_ubuntu22.deb
systemctl list-units --type=service | grep codedeploy
sudo service codedeploy-agent status
```

-- INSERT --

i-0480fbf9f4a6c8176 (CodePipeline)

Public IPs: 13.233.134.221 Private IPs: 172.31.37.235

CloudShell Feedback

Type here to search

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28°C 11:03 27-09-2024

Code search results wisdom\_repo/codepipeline Create deployment group Instances | EC2 | ap-south-1 EC2 Instance Connect bucket-nginxapp - 53 buckets Mumbai Nidhya

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#ModifyIAMRole:instanceId=i-0480fbf9f4a6c8176

EC2 Services Search [Alt+S]

Instances > i-0480fbf9f4a6c8176 > Modify IAM role

### Modify IAM role info

Attach an IAM role to your instance.

Instance ID: i-0480fbf9f4a6c8176 (CodePipeline)

IAM role: my-ec2instance-codedeploy-role

Create new IAM role

Cancel Update IAM role



**Day 7 - AWS - Code Pipeline (DO12WD-E) @11:...**

**Step 2: Add permissions**

**Permissions policy summary**

Policy name	Type	Attached as
AmazonEC2FullAccess	AWS managed	Permissions policy
AmazonS3FullAccess	AWS managed	Permissions policy
AWSCodeDeployFullAccess	AWS managed	Permissions policy

**Step 3: Add tags**

Add tags - optional info

Tags are key-value pairs that you can add to AWS resources to help identify, organize, or search for resources.

No tags associated with the resource.

01:59:05 / 03:28:14

Summary and smart chapters Meeting coach

Type here to search

Code search results wisdom\_repo/codepipeline Create deployment group deployrole | IAM | Global EC2 Instance Connect bucket-nginxapp - 53 buckets

ap-south-1.console.aws.amazon.com/codesuite/codedeploy/applications/deploy-nginxapp/deployment-groups/new?region=ap-south-1

aws Services Search [Alt+S]

EC2

**Environment configuration**

Select any combination of Amazon EC2 Auto Scaling groups, Amazon EC2 instances, and on-premises instances to add to this deployment

Amazon EC2 Auto Scaling groups

Amazon EC2 instances  
0 unique matched instances. Click here for details

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	Value - optional
<input type="text"/>	<input type="text"/> VM-EKS
<input type="button" value="Add tag"/>	<input type="button" value="Remove tag"/>
<input type="button" value="+ Add tag group"/>	<input type="button" value="CodePipeline"/>

On-premises instances

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Screenshot of the AWS CodeDeploy console showing the creation of a deployment group for the application "deploy-nginxapp".

The "Create deployment group" page displays the following information:

- Application:** deploy-nginxapp
- Deployment group name:** deploygrp-nginxapp
- Service role:** deployrole (selected from a dropdown menu)

The dropdown menu shows several IAM roles:

- deployrole arn:aws:iam::992382789479:role/deployrole
- mycodedeployrole arn:aws:iam::992382789479:role/mycodedeployrole
- mydeployroles arn:aws:iam::992382789479:role/mydeployroles
- myrole-codedeploy arn:aws:iam::992382789479:role/myrole-codedeploy

A tooltip for the "myrole-codedeploy" role provides a detailed description of its function:

the deployment group with new instances and deploys the latest application revision to them. After instances in the replacement environment are registered with a load balancer, instances from the original environment are deregistered and can be terminated.

The browser header bar includes tabs for CloudShell, Feedback, and several other AWS services like CodePipeline, Create deployment group, IAM, EC2 Instance Connect, and bucket-nginxapp - 53 buck.

The status bar at the bottom shows the date (27-09-2024), time (10:48), and location (Mumbai).

Screenshot of the AWS CodeDeploy application creation process.

The browser address bar shows: ap-south-1.console.aws.amazon.com/codesuite/codedeploy/applications/deploy-nginxapp?region=ap-south-1

The left sidebar navigation includes:

- Developer Tools
- CodeDeploy
- Source • CodeCommit
- Artifacts • CodeArtifact
- Build • CodeBuild
- Deploy • CodeDeploy
  - Getting started
  - Deployments
  - Applications
    - Application**
    - Settings
    - Deployment configurations
    - On-premises instances
  - Pipeline • CodePipeline
  - Settings

The main content area displays a green banner: "Application created" followed by the instruction: "In order to create a new deployment, you must first create a deployment group." A "Create a notification rule for this application" button is also present.

The "Deployment groups" tab is selected, showing a table with columns: Name, Status, Last attempted dep..., Last successful dep..., and Trigger count. A message states: "No deployment groups" and "Before you can deploy your application using CodeDeploy, you must create a deployment group." A "Create deployment group" button is located at the bottom.

Below this, another browser window shows the "Create application" page. The URL is: https://ap-south-1.console.aws.amazon.com/codesuite/codedeploy/application/new?region=ap-south-1

The "Create application" page has the following fields:

- Application configuration**
- Application name**: Enter an application name. Value: deploy-nginxapp (100 character limit)
- Compute platform**: Choose a compute platform. Value: EC2/On-premises
- Tags**: Add tag button

Buttons at the bottom: Cancel and Create application (highlighted in yellow).

The browser status bar indicates: © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences 10:46 28°C 27-09-2024 Mumbai Nidhya

The screenshot shows two side-by-side browser windows. The left window displays the AWS CodeDeploy landing page, featuring a large 'AWS CodeDeploy' logo and the tagline 'Automate code deployments to maintain application uptime'. It includes sections for 'Getting started', 'Deployments', 'Applications', 'Deployment configurations', 'On-premises instances', 'Pipeline', 'CodePipeline', 'Settings', and a 'Go to resource' button. The right window displays the AWS CodeBuild 'Build history' page, showing a table of build runs with columns for 'Build run', 'Status', 'Project', 'Build number', 'Source version', 'Submitter', 'Duration', and 'Completed'. One build run is listed: 'Nginxapp:0a61f9e2-daf1-434d-89a8-a7a35d0c3e6a', which succeeded, was submitted by 'root', and completed 45 seconds ago.

AWS CodeDeploy

Automate code deployments to maintain application uptime

How it works

Pricing (US)

For CodeDeploy on EC2/Lambda Free

CloudShell Feedback

Type here to search

Developer Tools > CodeBuild > Build history

Build history Batch history

Build history

Stop build View artifacts View logs Delete builds Retry build

Build run	Status	Project	Build number	Source version	Submitter	Duration	Completed
Nginxapp:0a61f9e2-daf1-434d-89a8-a7a35d0c3e6a	Succeeded	Nginxapp	1	refs/heads/master	root	45 seconds	13 minutes ago

CloudShell Feedback

Type here to search

Developer Tools

CodeDeploy

- Source • CodeCommit
- Artifacts • CodeArtifact
- Build • CodeBuild
- Deploy • CodeDeploy

Getting started Deployments Applications Deployment configurations On-premises instances Pipeline • CodePipeline Settings

Go to resource

CloudShell Feedback

Type here to search

Developer Tools > CodeBuild > Build history

Build history Batch history

Build history

Stop build View artifacts View logs Delete builds Retry build

Build run	Status	Project	Build number	Source version	Submitter	Duration	Completed
Nginxapp:0a61f9e2-daf1-434d-89a8-a7a35d0c3e6a	Succeeded	Nginxapp	1	refs/heads/master	root	45 seconds	13 minutes ago

CloudShell Feedback

Type here to search

Developer Tools

CodeBuild

- Source • CodeCommit
- Artifacts • CodeArtifact
- Build • CodeBuild

Getting started Build projects Build history Report groups Report history Compute fleets New Account metrics Related integrations Jenkins GitHub Actions New Deploy • CodeDeploy

CloudShell Feedback

Type here to search

CloudShell Feedback

Type here to search

Screenshot of the AWS IAM console showing attached policies to a role.

**Policies have been successfully attached to role.**

**Permissions policies (5) Info**

You can attach up to 10 managed policies.

Policy name	Type	Attached entities
AmazonEC2FullAccess	AWS managed	12
AmazonEC2RoleforAWSCodeDeploy	AWS managed	5
AmazonEC2RoleforAWSCodeDeployLimited	AWS managed	5
AmazonS3FullAccess	AWS managed	9
AWSCodeDeployRole	AWS managed	4

**Permissions boundary (not set)**

**Generate policy based on CloudTrail events**

You can generate a new policy based on the access activity for this role, then customize, create, and attach it to this role. AWS uses your CloudTrail events to identify the permissions you want to grant to this role.

**CloudWatch Log groups /aws/codebuild/Nginxapp 0a61f9e2-daf1-434d-89a8-a7a35d0c3e6a**

**Log events**

You can use the filter bar below to search for and match terms, phrases, or values in your log events. [Learn more about filter patterns](#)

Timestamp	Message
2024-09-27T10:29:58.604+05:30	[Container] 2024/09/27 04:59:54.837733 Configuring ssm agent with target id: codebuild:0a61f9e2-daf1...
2024-09-27T10:29:58.604+05:30	[Container] 2024/09/27 04:59:54.860121 Successfully updated ssm agent configuration
2024-09-27T10:29:58.604+05:30	[Container] 2024/09/27 04:59:54.860469 Registering with agent
2024-09-27T10:29:58.604+05:30	[Container] 2024/09/27 04:59:54.891526 Phases found in YAML: 3
2024-09-27T10:29:58.604+05:30	[Container] 2024/09/27 04:59:54.891551 POST_BUILD: 1 commands
2024-09-27T10:29:58.604+05:30	[Container] 2024/09/27 04:59:54.891556 INSTALL: 3 commands
2024-09-27T10:29:58.604+05:30	[Container] 2024/09/27 04:59:54.891560 BUILD: 2 commands
2024-09-27T10:29:58.604+05:30	[Container] 2024/09/27 04:59:54.891893 Phase complete: DOWNLOAD_SOURCE State: SUCCEEDED
2024-09-27T10:29:58.604+05:30	[Container] 2024/09/27 04:59:54.891905 Phase context status code: Message:

The screenshot shows the AWS CloudWatch Log Groups details page for the log group `/aws/codebuild/Nginxapp`. The left sidebar includes sections for Alarms, Logs (Log groups, Log Anomalies, Live Tail, Logs Insights, Contributor Insights), Metrics (All metrics, Explorer, Streams), and CloudShell/Feedback. The main content area displays the following details:

Log class	Info	Stored bytes	KMS key ID
Standard	-	-	-
ARN	<code>arn:aws:logs:ap-south-1:992382789479:log-group:/aws/codebuild/Nginxapp:*</code>	Metric filters 0	Anomaly detection Configure
Creation time	7 minutes ago	Subscription filters 0	Data protection
Retention	Never expire	Contributor Insights rules	Sensitive data count

Below this, tabs for Log streams, Tags, Anomaly detection, Metric filters, Subscription filters, Contributor Insights, and Data protection are visible.

  

The screenshot shows the AWS CodeBuild Artifacts configuration page. The left sidebar includes sections for Source (CodeCommit), Artifacts (CodeArtifact), Build (CodeBuild, Build project, Settings, Build history, Report groups, Report history, Compute fleets, Account metrics), and Related integrations (Jenkins). The main content area displays the following configuration:

Artifact identifier	Artifacts upload location	Disable artifact encryption	Override artifact name
-	<code>arn:s3:::bucket-nginxapp/Nginxapp</code>	False	False

Below this, sections for Logs (CloudWatch logs, S3 logs) and Buildspec are shown. The logs section shows CloudWatch logs are enabled with a group name of `/aws/codebuild/Nginxapp` and CloudWatch stream name is empty. S3 logs are disabled with an S3 location of `-` and encryption status of False. The buildspec section notes the use of `buildspec.yml`.

  

The screenshot shows the AWS CloudShell interface with several tabs open, including Code search results, wisdom\_repo/codepipeline, CloudWatch | ap-south-1, bucket-nginxapp - 53 buck, EC2 Instance Connect, bucket-nginxapp - 53 buck, and a new tab. The CloudShell interface includes a search bar and navigation buttons.

Screenshot of the AWS CloudWatch Build Logs interface showing the "Build details" tab for a build named "Nginxapp:0a61f9e2-daf1-434d-89a8-a7a35d0c3e6a".

### Source

Source provider	AWS CodeCommit	Source identifier	-	Repository	Nginxapp	Source version	refs/heads/master
Git clone depth	1	Git submodules	False				

### Environment

Image	aws/codebuild/standard:7.0	Environment type	Linux EC2	Compute type	EC2	Compute	3 GB memory, 2 vCPUs
Fleet ARN	-	Service role	arn:aws:iam::992382789479:role/service-role/codebuild-Nginxapp-service-role	Privileged	False	Timeout	45 minutes 0 seconds
Queued timeout	0 hours 0 minutes	Certificate		Registry credential			

Screenshot of the AWS CloudWatch Build Logs interface showing the "Phase details" tab.

Name	Status	Context	Duration	Start time	End time
SUBMITTED	<span style="color: green;">Succeeded</span>	-	<1 sec	Sep 27, 2024 10:29 AM (UTC+5:30)	Sep 27, 2024 10:29 AM (UTC+5:30)
QUEUED	<span style="color: green;">Succeeded</span>	-	<1 sec	Sep 27, 2024 10:29 AM (UTC+5:30)	Sep 27, 2024 10:29 AM (UTC+5:30)
PROVISIONING	<span style="color: green;">Succeeded</span>	-	3 secs	Sep 27, 2024 10:29 AM (UTC+5:30)	Sep 27, 2024 10:29 AM (UTC+5:30)
DOWNLOAD_SOURCE	<span style="color: green;">Succeeded</span>	-	6 secs	Sep 27, 2024 10:29 AM (UTC+5:30)	Sep 27, 2024 10:29 AM (UTC+5:30)
INSTALL	<span style="color: green;">Succeeded</span>	-	31 secs	Sep 27, 2024 10:29 AM (UTC+5:30)	Sep 27, 2024 10:30 AM (UTC+5:30)
PRE_BUILD	<span style="color: green;">Succeeded</span>	-	<1 sec	Sep 27, 2024 10:30 AM (UTC+5:30)	Sep 27, 2024 10:30 AM (UTC+5:30)
BUILD	<span style="color: green;">Succeeded</span>	-	<1 sec	Sep 27, 2024 10:30 AM (UTC+5:30)	Sep 27, 2024 10:30 AM (UTC+5:30)
POST_BUILD	<span style="color: green;">Succeeded</span>	-	<1 sec	Sep 27, 2024 10:30 AM (UTC+5:30)	Sep 27, 2024 10:30 AM (UTC+5:30)
UPLOAD_ARTIFACTS	<span style="color: green;">Succeeded</span>	-	2 secs	Sep 27, 2024 10:30 AM (UTC+5:30)	Sep 27, 2024 10:30 AM (UTC+5:30)
FINALIZING	<span style="color: green;">Succeeded</span>	-	<1 sec	Sep 27, 2024 10:30 AM (UTC+5:30)	Sep 27, 2024 10:30 AM (UTC+5:30)
COMPLETED	<span style="color: green;">Succeeded</span>	-	-	Sep 27, 2024 10:30 AM (UTC+5:30)	-

Screenshot of the AWS CloudWatch Build Logs interface showing the "Resource utilization" tab.

Screenshot of the AWS CloudShell interface showing the build logs for the Nginxapp build. The logs display the execution of various commands, including agent registration, source download, and configuration steps.

```

Showing the last 211 lines of the build log. View entire log Tail logs

No previous logs

1 [Container] 2024/09/27 04:59:47.938430 Running on CodeBuild on-demand
2 [Container] 2024/09/27 04:59:47.938449 Waiting for agent ping
3 [Container] 2024/09/27 04:59:48.039416 Waiting for DOWNLOAD_SOURCE
4 [Container] 2024/09/27 04:59:54.599415 Phase is DOWNLOAD_SOURCE
5 [Container] 2024/09/27 04:59:54.593268 CODEBUILD_SRC_DIR=/codebuild/output/src164143629/src/git-codecommit.ap-south-1.amazonaws.com/v1/repos/Nginxapp
6 [Container] 2024/09/27 04:59:54.593817 YAML location is /codebuild/output/src164143629/src/git-codecommit.ap-south-1.amazonaws.com/v1/repos/Nginxapp/buildspec.yml
7 [Container] 2024/09/27 04:59:54.595478 Not setting HTTP client timeout for source type codecommit
8 [Container] 2024/09/27 04:59:54.595465 Processing environment variables
9 [Container] 2024/09/27 04:59:54.774871 No runtime version selected in buildspec.
10 [Container] 2024/09/27 04:59:54.786024 Moving to directory /codebuild/output/src164143629/src/git-codecommit.ap-south-1.amazonaws.com/v1/repos/Nginxapp
11 [Container] 2024/09/27 04:59:54.787492 Unable to initialize cache download: no paths specified to be cached
12 [Container] 2024/09/27 04:59:54.827733 Configuring ssh agent with target id: codebuild:0a61f9e2-daf1-434d-89a8-a7a35d0c3e6a
13 [Container] 2024/09/27 04:59:54.860121 Successfully updated ssh agent configuration
14 [Container] 2024/09/27 04:59:54.860469 Registering with agent
15 [Container] 2024/09/27 04:59:54.891526 Phases found in YAML: 3
16 [Container] 2024/09/27 04:59:54.891551 POST_BUILD: 1 commands
17 [Container] 2024/09/27 04:59:54.891556 INSTALL: 3 commands
18 [Container] 2024/09/27 04:59:54.891560 BUILD: 2 commands
19 [Container] 2024/09/27 04:59:54.891893 Phase complete: DOWNLOAD_SOURCE State: SUCCEEDED
20 [Container] 2024/09/27 04:59:54.891905 Phase context status code: Message:
21 [Container] 2024/09/27 04:59:54.952351 Entering phase INSTALL
22 [Container] 2024/09/27 04:59:54.984658 Running command echo Installing NGINX

```

**Build started**  
You have successfully started the following build: Nginxapp:0a61f9e2-daf1-434d-89a8-a7a35d0c3e6a

Nginxapp:0a61f9e2-daf1-434d-89a8-a7a35d0c3e6a [Stop build](#) [Retry build](#)

### Build status

Status	Initiator	Build ARN
<span style="color: green;">Succeeded</span>	root	<a href="#">arn:aws:codebuild:ap-south-1:992382789479:build/Nginxapp:0a61f9e2-daf1-434d-89a8-a7a35d0c3e6a</a>
Resolved source version	Start time	End time
0b630dd7051a60d026741f38c4abcef930dfc1b	Sep 27, 2024 10:29 AM (UTC+5:30)	Sep 27, 2024 10:30 AM (UTC+5:30)
Build number	1	

[Build logs](#) [Phase details](#) [Reports](#) [Environment variables](#) [Build details](#) [Resource utilization](#)

Screenshot of the AWS CloudShell interface showing three tabs open:

- Code search results
- wisdom\_repo/codepipeline/inf...
- Nginxapp:0a61f9e2-daf1-434d-89a8-a7a35d0c3e6a

The main window displays the AWS CodeBuild console for the Nginxapp project. A green banner at the top says "Build started" and "You have successfully started the following build: Nginxapp:0a61f9e2-daf1-434d-89a8-a7a35d0c3e6a". Below this, the "Build status" section shows the following details:

Status	Initiator	Build ARN
In progress	root	arn:aws:codebuild:ap-south-1:992382789479:build/Nginxapp:0a61f9e2-daf1-434d-89a8-a7a35d0c3e6a
Resolved source version	Start time	End time
0b630dd7051a60d026741f38c4abbeef930dfc	Sep 27, 2024 10:29 AM (UTC+5:30)	-
1b		
Build number		
1		

Below the status section, there are buttons for "Stop build" and "Retry build".

On the left sidebar, under "Build project", the "Build" section is expanded, showing "Getting started", "Build projects", and "Build status".

Below the build status, there is a "Reference type" section with radio buttons for "Branch" (selected), "Git tag", and "Commit ID".

Under "Branch", a dropdown menu shows "master".

Under "Source version info", it shows "refs/heads/master" and "0b630dd? App files".

There is also an "Additional configuration" section with options for "Git clone depth" and "Git submodules".

At the bottom, there is an "Environment" section.

The browser's address bar shows the URL: ap-south-1.console.aws.amazon.com/codesuite/codebuild/projects/Nginxapp/edit/project?region=ap-south-1

The screenshot shows the AWS CloudShell interface with three tabs open:

- Code search results
- wisdom\_repo/codepipeline/inf...
- Edit Project | CodeBuild | ap-south-1

The main pane displays the "Batch configuration" section of a CodeBuild project. It includes fields for defining batch configuration and adding artifacts.

**Artifacts**

**Artifact 1 - Primary**

Type: Amazon S3

Bucket name: bucket-nginxapp

The screenshot then transitions to the AWS S3 console, showing the bucket "bucket-nginxapp".

**bucket-nginxapp**

Objects (0)

No objects

Upload

The screenshot concludes with the AWS CloudShell interface again, showing the same three tabs as the beginning.

Screenshot of the AWS S3 console showing a successful bucket creation:

Successfully created bucket "bucket-nginxapp". To upload files and folders, or to configure additional bucket settings, choose View details.

Amazon S3 > Buckets

Account snapshot - updated every 24 hours (All AWS Regions)

General purpose buckets | Directory buckets

General purpose buckets (1) All AWS Regions

Name	AWS Region	IAM Access Analyzer	Creation date
bucket-nginxapp	Asia Pacific (Mumbai) ap-south-1	<a href="#">View analyzer for ap-south-1</a>	September 27, 2024, 10:24:06 (UTC+05:30)

Screenshot of the AWS S3 landing page:

# Amazon S3

Store and retrieve any amount of data from anywhere

Amazon S3 is an object storage service that offers industry-leading scalability, data availability, security, and performance.

Create a bucket

Every object in S3 is stored in a bucket. To upload files and folders to S3, you'll need to create a bucket where the objects will be stored.

Create bucket

Pricing

With S3, there are no minimum fees. You only pay for what you use. Prices are based on the location of your S3 bucket.

Estimate your monthly bill using the [AWS Simple Monthly Calculator](#)

Code search results | wisdom\_repo/codepipeline/indi... | Create build project | CodeBuild | EC2 Instance Connect | Nginxapp | AWS Developer Tools | Mumbai | Nidhya

ap-south-1.console.aws.amazon.com/codesuite/codebuild/project/new?region=ap-south-1

**EC2**

**Logs**

**CloudWatch**

CloudWatch logs - *optional*  
Checking this option will upload build output logs to CloudWatch.

**Group name - optional**  
`aws/codebuild/Nginxapp`  
The group name of the logs in CloudWatch Logs. The log group name will be `/aws/codebuild/<project-name>` by default.

**Stream name prefix - optional**  
  
The prefix of the stream name of the CloudWatch Logs.

**S3**

S3 logs - *optional*  
Checking this option will upload build output logs to S3.

[Cancel](#) [Create build project](#)

CloudShell Feedback

Type here to search

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10:19 27-09-2024

Code search results | wisdom\_repo/codepipeline/indi... | Create build project | CodeBuild | EC2 Instance Connect | Nginxapp | AWS Developer Tools | Mumbai | Nidhya

ap-south-1.console.aws.amazon.com/codesuite/codebuild/project/new?region=ap-south-1

**Buildspec**

**Build specifications**

Insert build commands  
Store build commands as build project configuration

Use a buildspec file  
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](#)

**Create build project | CodeBuild**

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:  New service role  
Create a service role in your account

Role name: codebuild-Nginxapp-service-role

**Additional configuration**

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

**Environment**

Provisioning model Info:  On-demand  
Automatically provision build infrastructure in response to new builds.

Reserved capacity  
Use a dedicated fleet of instances for builds. A fleet's compute and environment type will be used for the project.

Environment image:  Managed image  
Use an image managed by AWS CodeBuild

Custom image  
Specify a Docker image

Compute:

- EC2  
Optimized for flexibility during action runs
- Lambda  
Optimized for speed and minimizes the start up time of workflow actions

Amazon Linux

Ubuntu

Ubuntu

Runtime(s): Standard

The screenshot shows the AWS CodeBuild console interface for creating a new project. In the 'Source' section, 'AWS CodeCommit' is selected as the source provider, and 'Nginxapp' is chosen as the repository. The 'Branch' radio button is selected. Below the branch dropdown, there is a 'Commit ID - optional' field with a note: 'Choose a commit ID. This can shorten the duration of your build.' The browser's address bar shows the URL: ap-south-1.console.aws.amazon.com/codesuite/codebuild/project/new?region=ap-south-1.

The screenshot shows the 'Source' section again, but now 'No source' is selected as the provider. A tooltip provides information about using a dedicated fleet of instances: 'Automatically provision build infrastructure in response to new builds. A fleet's compute and environment type will be used for the project.' The browser's address bar shows the same URL as the previous screenshot.

The screenshot shows the AWS CloudShell interface with three tabs open:

- Code search results
- wisdom\_repo/codepipeline/ind...
- Create build project | CodeBuild

The Create build project tab is active, displaying the "Create build project" configuration page. The "Project configuration" section includes a "Project name" field set to "Nginxapp". Below it is an "Additional configuration" section with options for Description, Build badge, Concurrent build limit, and tags.

The "Source" section shows "Source 1 - Primary" with a "Source provider" dropdown set to "No source". An "Add source" button is available.

The browser's address bar shows the URL: ap-south-1.console.aws.amazon.com/codesuite/codebuild/project/new?region=ap-south-1#.

On the left, a sidebar titled "Developer Tools" is expanded, showing the "CodeBuild" section. Under "Build", the "Getting started" link is selected, leading to the "AWS CodeBuild" landing page. The landing page features a large heading "AWS CodeBuild" and the subtext "Build and test code with elastic scaling. Pay only for the build time you use." It also includes a "Create AWS CodeBuild project" button and a brief description of the service.

The browser status bar at the bottom indicates the date as 27-09-2024 and the time as 10:14.

The screenshot shows the AWS CodeArtifact landing page. On the left, a sidebar menu includes 'Source • CodeCommit', 'Artifacts • CodeArtifact' (which is expanded to show 'Getting started', 'Domains', 'Repositories', 'Build • CodeBuild', 'Deploy • CodeDeploy', 'Pipeline • CodePipeline', and 'Settings'), 'Go to resource', and 'Feedback'. The main content area features a large heading 'AWS CodeArtifact' and the sub-headline 'Secure, scalable, and cost-effective artifact management'. Below this is a brief description of the service and a 'Create repository' button. A 'Pricing (US)' section indicates that the first 2 GB-month stored across all regions is free, with a rate of \$0.06 per GB-month thereafter. A 'How it works' section is also present.

**AWS CodeArtifact**

Secure, scalable, and cost-effective artifact management

AWS CodeArtifact is a fully managed artifact repository service that makes it easy for organizations of any size to securely store, publish, and share software packages used in their software development process.

Create AWS CodeArtifact repository

Start with AWS CodeArtifact by creating your first repository to securely store, publish, and share software packages.

**Pricing (US)**

**Storage**

First 2 GB-month stored across all regions is free.  
\$0.06 per GB-month thereafter.

**How it works**

**Nginxapp / index.html**

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <style>
5       body {
6         font-family: Arial, sans-serif;
7         background-color: #f2f2f2;
8         color: #333;
9         text-align: center;
10      }
11
12      h1 {
13        font-size: 36px;
14        margin-top: 50px;
15        color: #6130e8;
16      }
17
18      p {
19        font-size: 18px;
20        margin: 20px 0;
21      }
22    </style>
23  </head>
24  <body>
25    <h1>Hello DevOps</h1>
26    <p></p>
27  </body>
28 </html>
29
```

The screenshot shows the AWS CodeCommit landing page. A prominent message at the top states: "AWS CodeCommit is no longer available to new customers. Existing customers of AWS CodeCommit can continue to use the service as normal." Below this, there's a section titled "Developer Tools" with a "Create AWS CodeCommit repo" button. A descriptive text explains that CodeCommit is a fully-managed source control service for sharing code in the cloud. At the bottom right, there's a "Pricing" link.

The screenshot shows the AWS CodeCommit repository details page for "Nginxapp". The URL is [ap-south-1.console.aws.amazon.com/codesuite/codecommit/repositories/Nginxapp/browse/refs/heads/master/-/appspec.yml?region=ap-south-1](https://ap-south-1.console.aws.amazon.com/codesuite/codecommit/repositories/Nginxapp/browse/refs/heads/master/-/appspec.yml?region=ap-south-1). The page displays the contents of the appspec.yml file:

```
1 version: 0.0
2 os: linux
3 files:
4   - source: /
5     destination: /var/www/html
6 hooks:
7   AfterInstall:
8     - location: scripts/install_nginx.sh
9       timeout: 300
10  runsas: root
11 ApplicationStart:
12   - location: scripts/start_nginx.sh
13     timeout: 300
14   runsas: root
```

The screenshot shows two consecutive views of the AWS CodeCommit interface for the repository "Nginxapp".

**Top View (buildspec.yml):**

- The left sidebar shows the navigation path: Developer Tools > CodeCommit > Repositories > Nginxapp.
- The main content area displays the file "Nginxapp / buildspec.yml" with the following content:

```
1 version: 0.2
2
3 phases:
4   install:
5     commands:
6       - echo Installing NGINX
7       - sudo apt-get update
8       - sudo apt-get install nginx -y
9   build:
10    commands:
11      - echo Build started on `date`
12      - cp index.html /var/www/html/
13  post_build:
14    commands:
15      - echo Configuring NGINX
16
17 artifacts:
18   files:
19     - '**/*'
```

**Bottom View (scripts):**

- The left sidebar shows the navigation path: Developer Tools > CodeCommit > Repositories > Nginxapp.
- A modal message box is displayed: "AWS CodeCommit is no longer available to new customers. Existing customers of AWS CodeCommit can continue to use the service as normal." with a "Learn more" link.
- The main content area displays the file "Nginxapp / scripts" with the following content:

Name
..
install_nginx.sh
start_nginx.sh

The screenshot shows the AWS CodeCommit interface for the 'Nginxapp' repository. The repository structure includes 'scripts', 'appspec.yml', 'buildspec.yml', and 'index.html'. A message at the top states: 'AWS CodeCommit is no longer available to new customers. Existing customers of AWS CodeCommit can continue to use the service as normal.' Below the repository details, there are buttons for 'Notify', 'master', 'Create pull request', and 'Clone URL'.

**AWS CodeCommit**

**Nginxapp**

**Info**

Name

- scripts
- appspec.yml
- buildspec.yml
- index.html

**CloudShell**

Type here to search

File Edit Selection View Go Run ...

wisdom\_repo

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
ubuntu@Nidhya-Rajapandi:~/mnt/c/Users/R.NIDHYA/git_folder2/wisdom_repo/Nginxapp$ git push origin master
Username for 'https://git-codecommit.ap-south-1.amazonaws.com': rm-at-992382789479
Password for 'https://rm-at-992382789479@git-codecommit.ap-south-1.amazonaws.com':
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 8 threads
Compressing objects: 57% (4/7)
Compressing objects: 100% (7/7), done.
Writing objects: 100% (8/8), 1.05 KiB | 11.00 KiB/s, done.
Total 8 (delta 0), reused 0 (delta 0), pack-reused 0
remote: Validating objects: 100%
To https://git-codecommit.ap-south-1.amazonaws.com/v1/repos/Nginxapp
 * [new branch]      master -> master
ubuntu@Nidhya-Rajapandi:~/mnt/c/Users/R.NIDHYA/git_folder2/wisdom_repo/Nginxapp$
```

The image displays two side-by-side screenshots of the Microsoft Visual Studio Code (VS Code) interface, both titled "wisdom\_repo".

**Top Window:**

- Explorer View:** Shows a folder named "WISDOM\_REPO" containing subfolders: "capstone", "codepipeline", "Docker", "EBS-Volume", "maven", "Nginxapp", and "efss3ebs.jpg".
- Terminal View:** Displays the command-line output of a git clone operation from a GitHub repository into the "WISDOM\_REPO" directory. The output includes cloning into 'Nginxapp', entering the repository, and listing files like "index.html", "scripts/install\_nginx.sh", and "scripts/start\_nginx.sh". It also shows the creation of ".gitignore", "appspec.yml", "buildspec.yml", and "index.html" files.
- Taskbar:** Shows the Windows taskbar with various pinned icons and the date/time as 27-09-2024.

**Bottom Window:**

- Explorer View:** Shows the same "WISDOM\_REPO" folder structure.
- Terminal View:** Displays the command-line output of a git clone operation, identical to the top window's output, showing the cloning of the "Nginxapp" repository and its contents.
- Taskbar:** Shows the Windows taskbar with various pinned icons and the date/time as 27-09-2024.

The screenshot shows the AWS IAM console with the URL `us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#users/details/rm?section=security_credentials`. The left sidebar shows navigation options like Dashboard, Access management, and Access reports. The main area displays three sections: 'HTTPS Git credentials for AWS CodeCommit (1)', 'Credentials for Amazon Keypaces (for Apache Cassandra) (0)', and 'X.509 Signing certificates (0)'. The first section shows a table with one row for a user named 'rm-at-992382789479' with a status of 'Active'. A 'Generate credentials' button is available. The second section shows a table with a note 'No credentials' and a 'Generate credentials' button. The third section has a 'Create X.509 certificate' button.

**HTTPS Git credentials for AWS CodeCommit (1)**

User name	Created	Status
rm-at-992382789479	9 minutes ago	Active

**Credentials for Amazon Keypaces (for Apache Cassandra) (0)**

User name	Created	Status
No credentials		

**X.509 Signing certificates (0)**

Use X.509 certificates to make secure SOAP-protocol requests to some AWS services. You can have a maximum of two X.509 certificates (active or inactive) at a time. [Learn more](#)

**Actions** **Upload** **Create X.509 certificate**

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A modal dialog titled 'Generate credentials' is open. It contains a message 'Your new credentials are available.' and a note 'Save your user name and password or download the credentials file.' Below this, it shows the user name 'rm-at-992382789479' and a masked password. Buttons for 'Download credentials' and 'Close' are at the bottom.

**Generate credentials**

Your new credentials are available.

Save your user name and password or download the credentials file.

This is the only time you can view the password or download it. You cannot recover it later. However, you can reset your password at any time.

You can use these credentials when connecting from your local computer, or from tools that require a static user name and password. [Learn more](#)

User name  
rm-at-992382789479

Password  
\*\*\*\*\* Show

**Actions** **Upload** **Create X.509 certificate**

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The main IAM page now shows the generated credentials. The 'Status' column for the user 'rm-at-992382789479' is now 'Active'. The 'Actions' and 'Generate credentials' buttons are visible.

**Actions** **Generate credentials**

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Screenshot of the AWS CloudShell interface showing the AWS CodeCommit repository setup process for the Nginxapp repository.

The browser tabs show the following URLs:

- Code search results
- wisdom\_repo/codepipeline/indi
- rm | IAM | Global
- EC2 Instance Connect
- Nginxapp | AWS Developer Tools
- ap-south-1.console.aws.amazon.com/codesuite/codecommit/repositories/Nginxapp/setup?region=ap-south-1

The main content area displays the "Nginxapp" repository setup page. A modal message states: "AWS CodeCommit is no longer available to new customers. Existing customers of AWS CodeCommit can continue to use the service as normal. Learn more".

On the right, a dropdown menu offers cloning options: Clone URL, Clone HTTPS, Clone SSH, and Clone HTTPS (GRC). The "HTTPS" tab is selected.

A warning message in a yellow box states: "⚠ You are signed in using a root account. You cannot configure SSH connections for a root account, and HTTPS connections for a root account are not recommended. Consider signing in as an IAM user and then setting up your connection."

**Step 1: Prerequisites**  
You must use a Git client that supports Git version 1.7.9 or later to connect to an AWS CodeCommit repository. If you do not have a Git client, you can install one from Git downloads. [View Git downloads page](#)

You must have an AWS CodeCommit managed policy attached to your IAM user, belong to a CodeStar project team, or have the equivalent permissions. [Learn how to create and configure an IAM user for accessing AWS CodeCommit](#) | [Learn how to add team members to an AWS CodeStar Project](#)

**Step 2: Set up the AWS CLI Credential Helper**  
Set up your connection to AWS CodeCommit repositories using the credential helper included in the AWS CLI. This is the only connection method for AWS CodeCommit repositories that does not require an IAM user, so it is the only method that supports root access, federated access, and temporary credentials. [Learn more](#)

**Additional details**  
You can find more detailed instructions in the documentation. [View documentation](#)

**Nginxapp Info**

Add file

Name

Empty repository

Your repository is currently empty. You can add files to it directly from the console or by cloning the repository to your local computer, creating commits, and pushing content to the remote repository in AWS CodeCommit.

Create file

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Type here to search 28°C 09:57 27-09-2024

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The screenshot shows the AWS CodeCommit interface for the repository 'Nginxapp'. The top navigation bar includes tabs for 'Code search results', 'wisdom\_repo/codepipeline/ind...', 'rm | IAM | Global', 'EC2 Instance Connect', and 'Nginxapp | AWS Developer Tools'. The main content area displays the 'Connection steps' for the repository. It highlights that HTTPS connections are recommended over SSH for root accounts. The 'Step 1: Prerequisites' section notes that a Git client version 1.7.9 or later is required. The 'Repositories' section lists the repository 'Nginxapp' with its details: Name (Nginxapp), Description (-), Last modified (Just now), and Clone URLs (HTTPS, SSH, HTTPS (GRC)).

