



# AWS Architecture Icons

Release 19-2024.06.07

# Release 19-2024.06.07: What's New?

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For the latest assets package and full resources, visit the AWS Architecture Center:

<https://aws.amazon.com/architecture/icons/>

## Analytics

Amazon Data Firehose (successor to Amazon Kinesis Data Firehose) (slide 32)

## Artificial Intelligence

PyTorch on AWS (slide 47)

## Developer Tools

AWS Fault Injection Service (successor to AWS Fault Injection Simulator) (slide 90)

## End User Computing

Amazon AppStream 2.0 (successor to Amazon AppStream) (slide 92)

Amazon WorkSpaces Secure Browser / Resource icon (slide 92)

## Media Services

AWS Deadline Cloud (slide 120)

## Storage

S3 Express One Zone / Storage Class (slide 153)

Directory bucket / Resource Icon (slide 153)

# Contents

[Introduction](#)

[System](#)

[Guidelines](#)

[Examples](#)

[Elements](#)

# Introduction

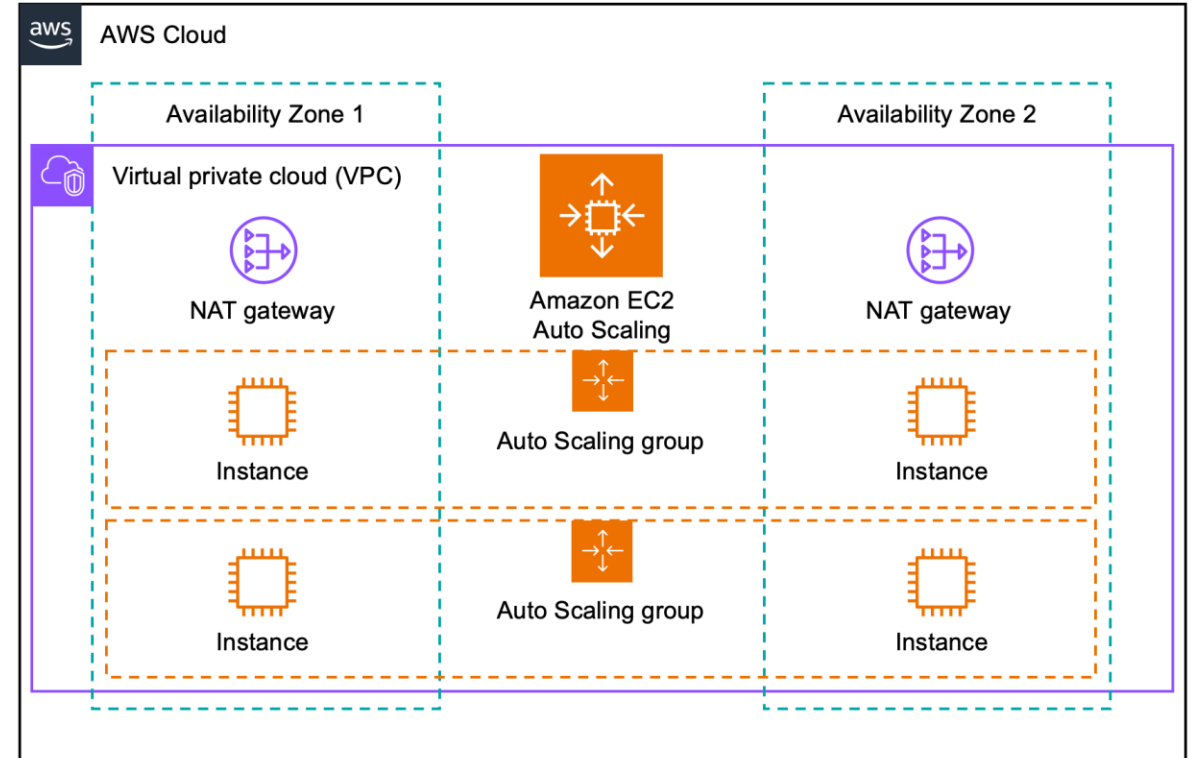
About the deck and guidance for getting started

# About AWS Architecture Icons

Architecture diagrams are a great way to communicate your design, deployment, and topology.

In this deck, you will find an official collection of AWS service icons, resource icons, additional assets and guidelines. These tools will help you build customer-focused and consistent AWS architecture diagrams.

Customers and partners can use AWS icons to create architecture diagrams. The icons are basic in design so that you can incorporate them directly into your whitepapers, presentations, datasheets, posters, or any technical material that you want.



# Before You Begin:

1

## Check for the latest deck update.

Download the latest deck from the [AWS Architecture Center](#).

2

## Read the guidelines.

For specific element guidance and best practices, see the [guidelines](#) section.

3

## When in doubt, see the examples.

For completed diagrams, go to the [example pages](#). If you're having trouble with a particular layout or object, use these as a template.

# System

A complete overview of the design system

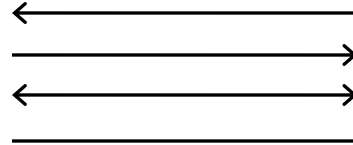
# System Elements

1/2



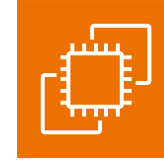
## Groups

Show the connections  
between multiple services  
or resources



## Arrows

Describe a flow of information  
or connect different parts  
of a diagram



## Service icons

Represent an AWS service



## Resource icons

Represent an AWS service  
resource



## General resource icons

Apply to resources and objects for  
multiple AWS services and categories



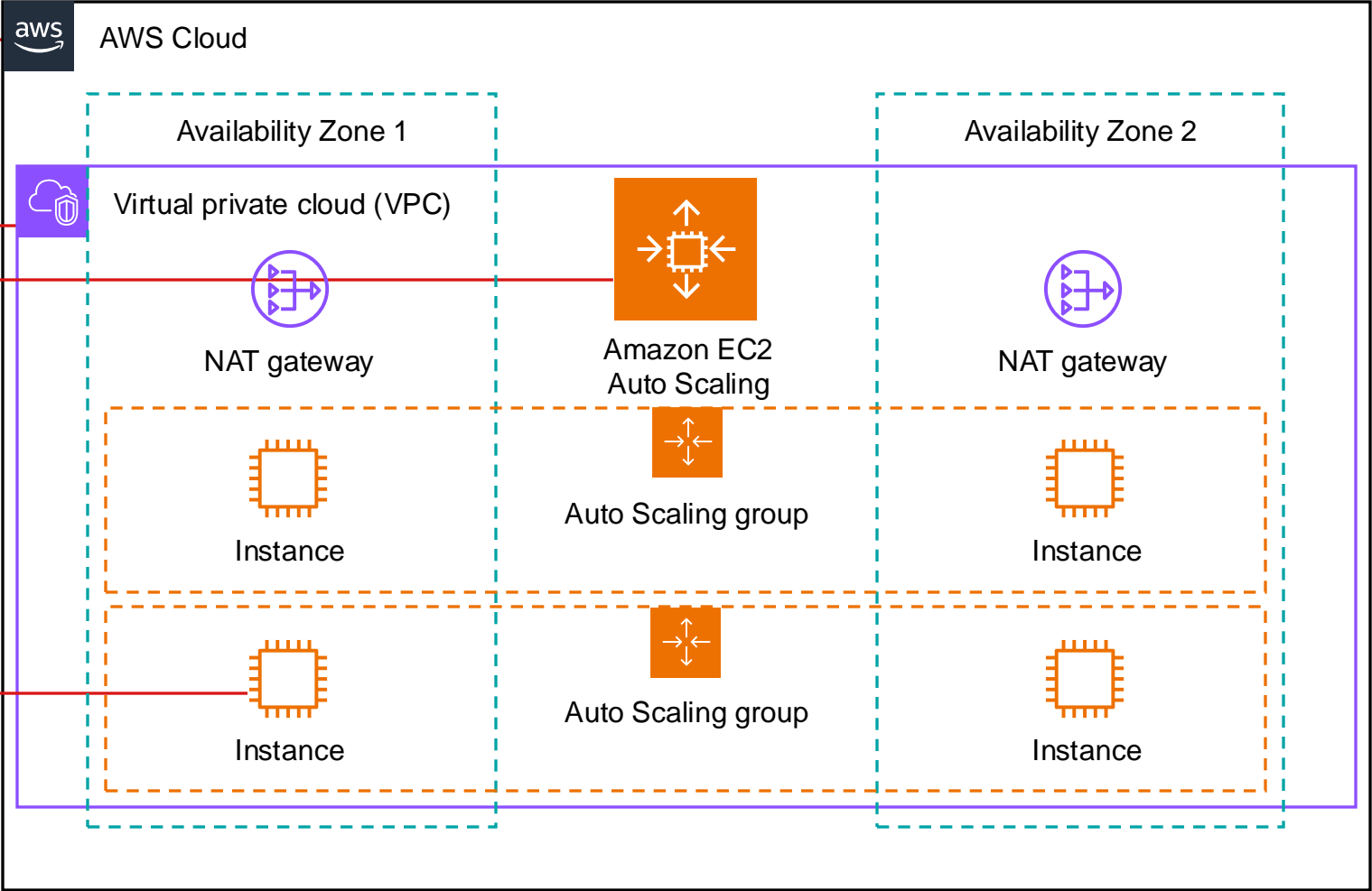
# System Elements

Group icon

Nested groups

Service icon

Resource icon



# Guidelines

Diagram and element guidance

# Building a Diagram

## 1. Choose your deck style.

The architecture deck is available for both light and dark backgrounds. Determine which best fits your need – light backgrounds tend to be used on the web, while dark backgrounds are used for in-person presentations or slide decks.

## 2. Start with the structure.

Locate the groups (see slides 25-26) to use for the underlying structure of your diagram.

## 3. Add architecture service or resource icons.

If you downloaded the asset package from the [AWS Architecture Center](#), you can search for your icon from your folder. Simply drag & drop or insert wherever you are building your diagram.

## 4. Connect the steps.

Use the preset arrows to connect your steps and describe a workflow.

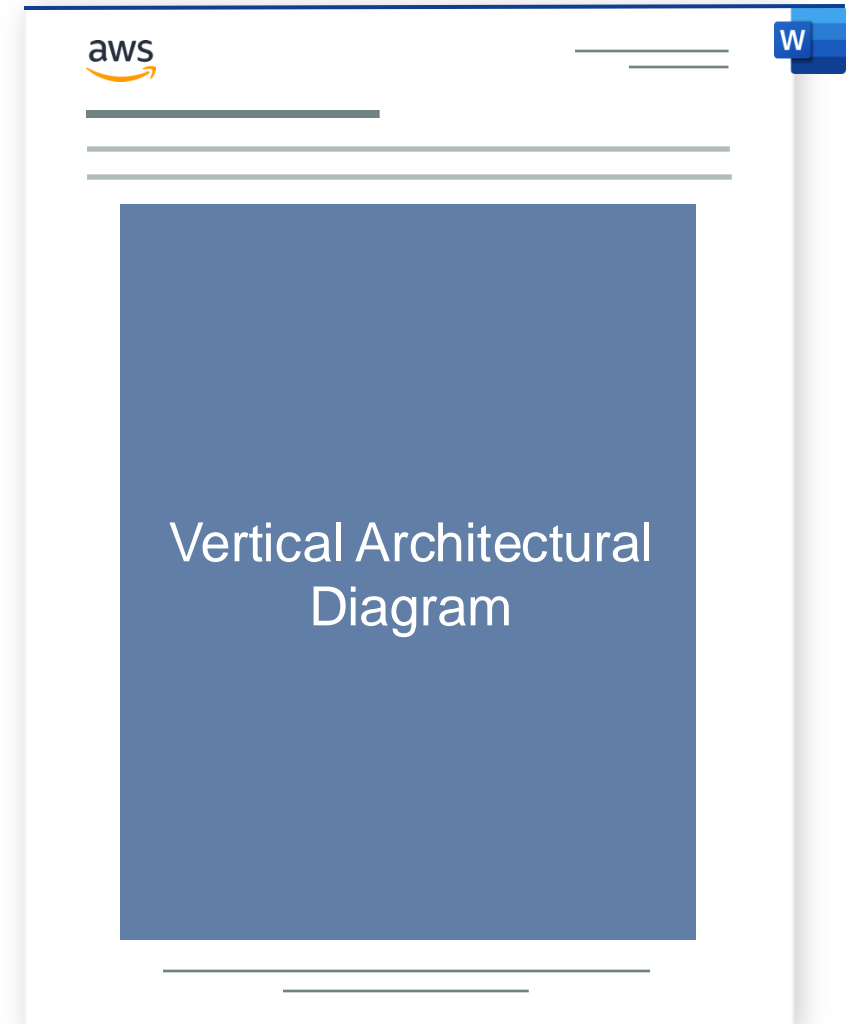
## 5. Add any final touches.

You can use numbers to help convey a specific order within your diagram (see slide 18).

# Guidance for Portrait View Use Case

There are use-cases where a diagram may be added to a Microsoft Word Document, Blog post, etc. that are typically in portrait view. These steps will help you build your diagram in a vertical format so it will fit properly.

- 1. Create a new presentation in PowerPoint.**  
Architectural diagrams for Microsoft Word documents or other vertical formats may be built in a vertical slide.
- 2. Dimension specs.**  
Go to **File > Page Setup** then insert new dimensions. Change your slide size to 6.5" width and 8.75" length and keep it on a white background.
- 3. Follow the same guidance.**  
Use the same guidelines and assets from this PowerPoint deck to create your diagram in vertical format.
- 4. Paste your diagram as a picture.**  
Once the diagram is complete, group all the elements and **Copy**. Then under the **Home** tab in Word select the **Paste** dropdown and click **Paste as Picture**.



# Guidance for Training and Certification Use Case

Diagrams for Training and Certification should appear only on a white background.

## Type size and color

All type should be 16pt throughout the diagram

All type should be black throughout the diagram

## Icon size and color

All icon sizes are fixed and should not be altered

All colors for icons have been accessibility tested and should not be altered

## Line weight and color

All lines should be 2pt throughout the diagram

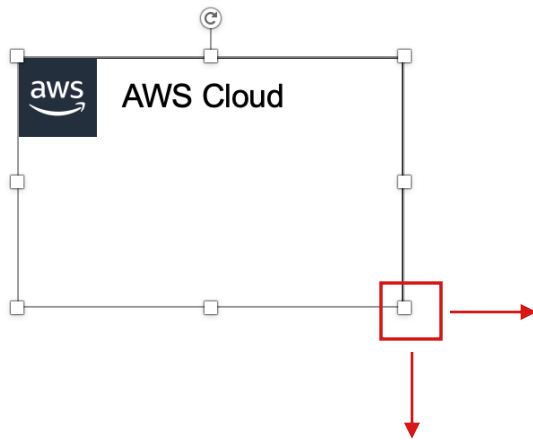
All colors for lines have been accessibility tested and should not be altered

# Groups

Each group consists of an icon and a label. Colors and lines help to differentiate groups to make it easier for the user to read a diagram at a glance. Some groups cross multiple groups, such as Auto Scaling, while others are meant to nest inside another, such as a VPC and subnets.

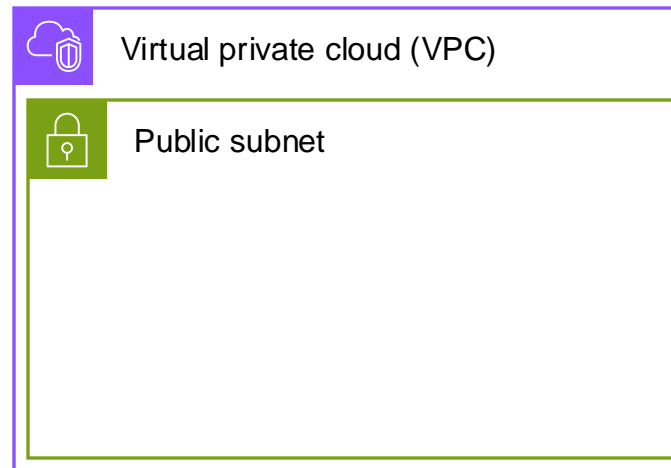
## Resizing groups

Use the bottom-right corner of a group box to resize it.



## Nested groups

When you have groups within groups, inner groups should have at least .05" buffer on all sides.



### DO:

- Use a generic group type if the presets do not suit your needs.
- Add a custom group if needed (see slide 26).

### DON'T:

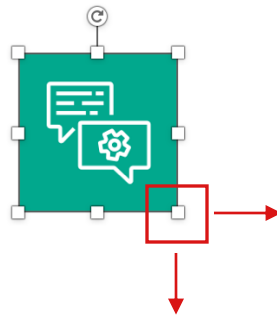
- Create groups with nonapproved AWS icon(s).
- Resize group icons.

# Icons

Architecture service and resource icons are designed to be used on both light and dark backgrounds. You can find the icons in the assets package download or in the PowerPoint presentation.

## Resizing icons

All icons in this deck are SVGs, allowing them to be scaled up or down only when used in presentations. To preserve icon integrity, be sure to hold down Shift while resizing.



For diagrams, use icons at their predefined size and do not resize.

### DO:

- Use icons at their predefined size, color and format in diagrams.
- Scale icons as needed for use in presentations.
- Hold down Shift while resizing.

### DON'T:

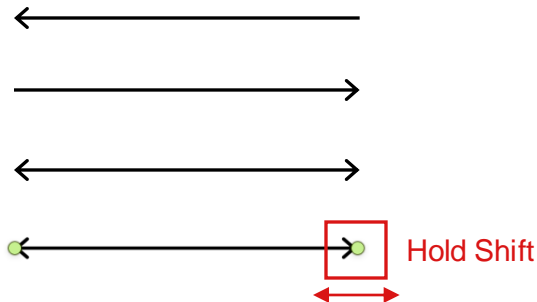
- Crop service icons.
- Flip or rotate icons.
- Change icon shapes.

# Arrows

Use arrows or lines to connect parts of a diagram or to show a workflow.

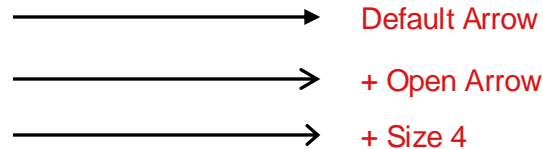
## Use preset arrows

Copy the preset arrows into your diagram to maintain the correct formatting. To edit, click on the arrow and hold down Shift.



## Create new arrows

Preset arrows use the “Open Arrow” in Size 4.



## When in doubt, use the default

If the arrow shape that you need is not available in the sample arrows, use the default arrows.

### DO:

- Use the preset arrows provided in the Elements section.
- Use straight lines and right angles to connect objects wherever possible.
- In the instance where right angles are not possible, you may use a diagonal line as provided.

### DON'T:

- Use anything beside preset or default arrows.



# Icon Labels

The icon and label are separated to allow for adjustment or abbreviation. All label text should be 12pt Arial throughout the diagram. General icons are flexible and their labels can be customized for your use-case. For example, the general “User” icon for Storage can also be used as “Profile” for Games.

## Name wrapping and line breaks

AWS service names must fit on no more than two lines. AWS or Amazon should always be accompanied by the service name. Lines should never break mid-word.



Amazon QuickSight



Amazon  
QuickSight

Amazon should be on the same line  
as the first word in the service name.



Amazon  
Quick-  
Sight

Lines should never break mid-word, and  
should fit on two lines max.

## Short forms

To save space when using a service multiple times in a diagram, you may use the short service forms instead of the full name. For example, Amazon EC2, instead of Amazon Elastic Compute Cloud.

### DO:

- Break a line after the second word in the service name if necessary.

### DON'T:

- Use short forms without first mentioning the full service name somewhere in the document.
- Duplicate short forms for different services, such as ELB for Elastic Beanstalk and Elastic Load Balancing.
- Break a line in the middle of a word.

# Numbered Callouts

Use numbered callouts to draw attention to steps in a process within a diagram (as shown on slide 21). Callouts are black with bold white type so that they stand out among the colored service and resource icons in the diagram. Consult with your team to see if you can use numbered callouts.

## Large callouts

For a simple diagram, you can use large callouts.



## Small callouts

For a complicated diagram, you can use small callouts.



### DO:

- Use callouts at their predefined size, color and format.
- Order your numbers as linearly as possible, such as left to right, top to bottom, or clockwise.
- Be as consistent as possible in placement of the callouts.

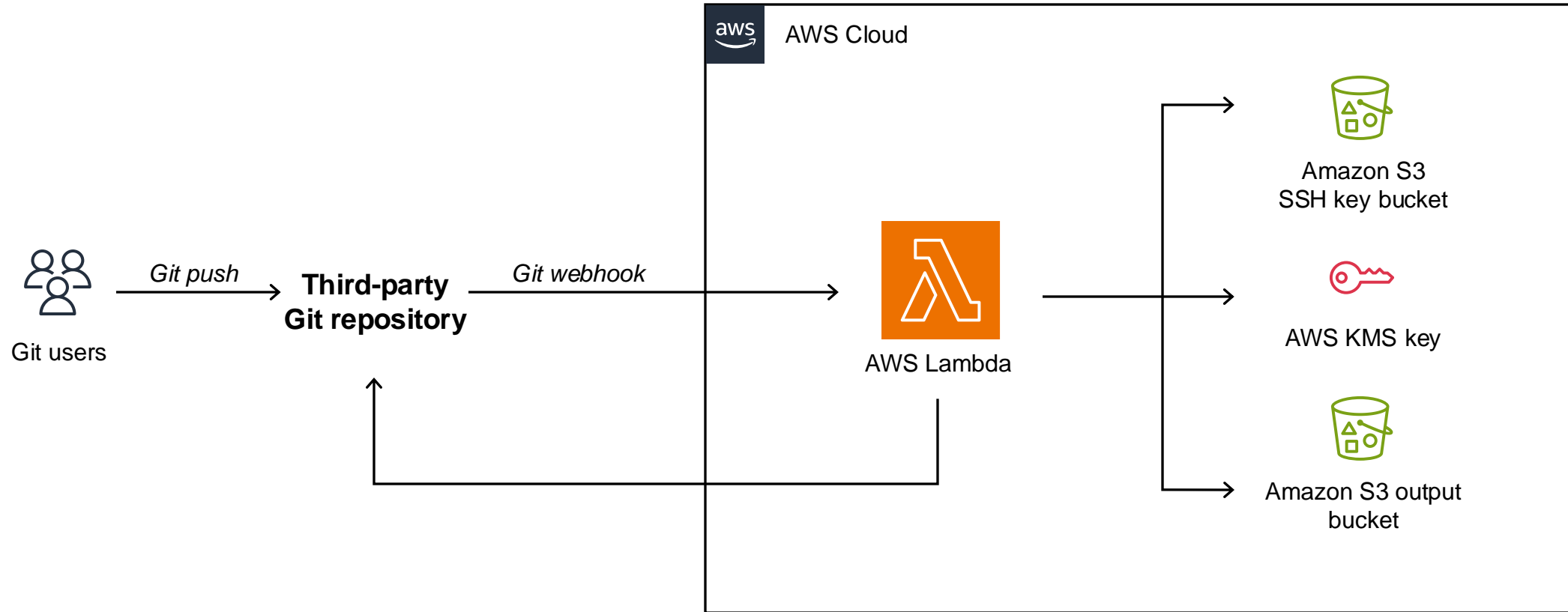
### DON'T:

- Mix callout sizes within the same diagram.
- Change color or font size within the callout.
- Use letters or other symbols.
- Manually size or stretch the callout shape.
- Create new callout shapes.

# Examples

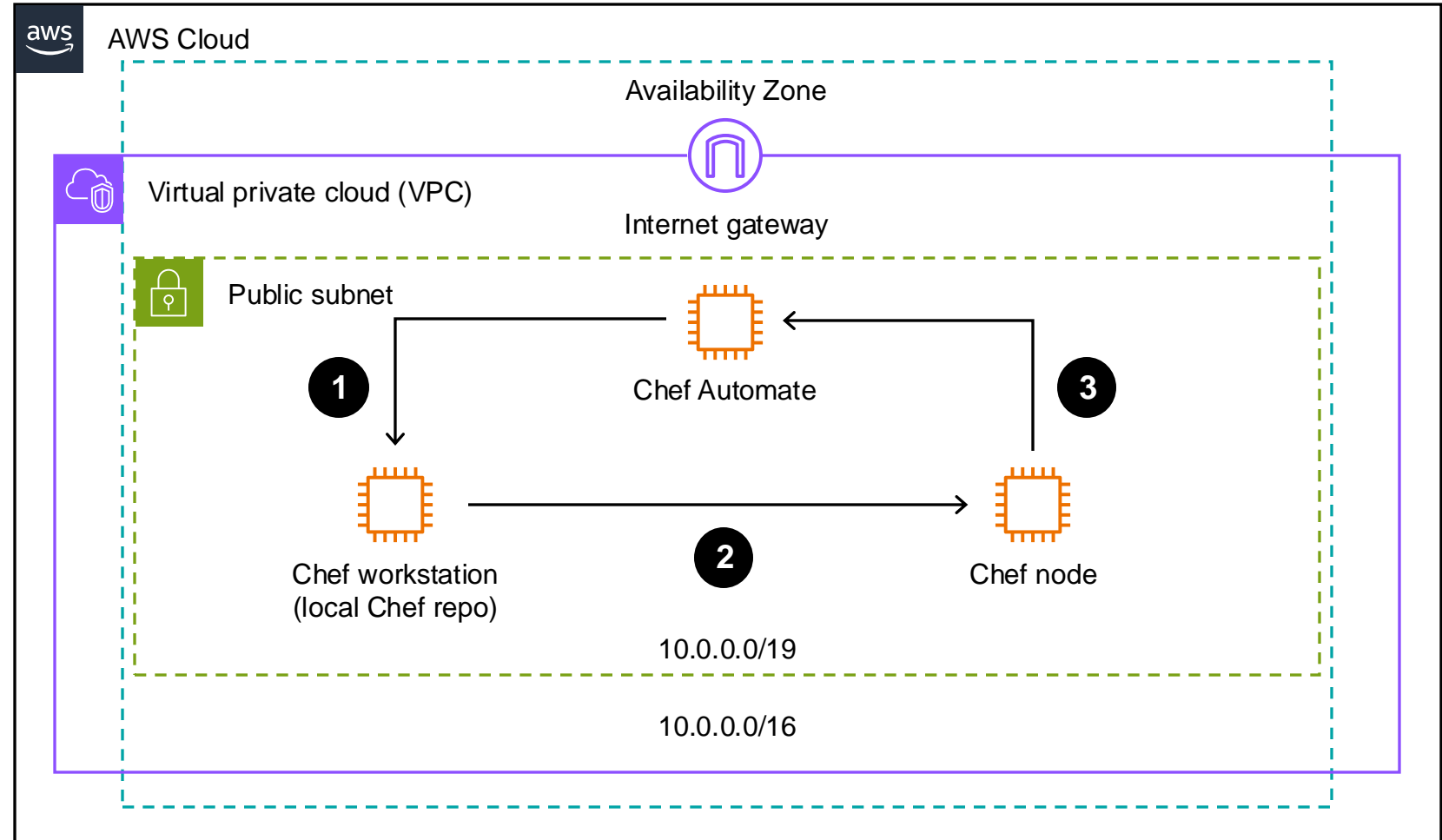
The system in action

# Example: Git to S3 Webhooks



# Example: Chef Automate Architecture on AWS

1. Chef Knife uploads cookbooks.
2. Knife bootstraps and communicates with nodes.
3. Chef client processes run list.



# Elements

Resources to use when building your diagram

# Icon Categories

Click a category to jump to slide (must be in Presentation mode)

## [General Resources](#)

[Analytics](#)

[Application Integration](#)

[Artificial Intelligence](#)

[Blockchain](#)

[Business Applications](#)

[Cloud Financial Management](#)

[Compute](#)

[Contact Center](#)

## [Containers](#)

[Customer Enablement](#)

[Database](#)

[Developer Tools](#)

[End User Computing](#)

[Front-End Web & Mobile](#)

[Games](#)

[Internet of Things](#)

[Management & Governance](#)

## [Media Services](#)

[Migration & Modernization](#)

[Networking & Content Delivery](#)

[Quantum Technologies](#)

[Robotics](#)

[Satellite](#)

[Security, Identity, & Compliance](#)

[Serverless](#)


[Storage](#)


# General Resources



# Groups

\*

 AWS Cloud


 AWS Cloud

 Region


Availability Zone


Security group


 Auto Scaling group


 Virtual private cloud (VPC)

 Private subnet


 Public subnet

 Server contents

 Corporate data center


 EC2 instance contents

 Spot Fleet

 AWS account

 AWS IoT Greengrass Deployment

 AWS IoT Greengrass

 Elastic Beanstalk container

 AWS Step Functions workflow

Generic group

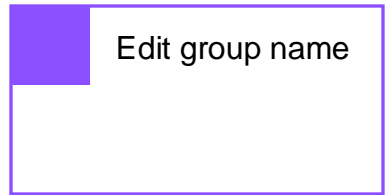
Generic group

\* In certain AWS Regions (e.g., China), AWS does not own the rights for the logo using the letters “AWS.” Per our guidelines, use the group with the AWS logo except in Regions where the AWS logo cannot be used. You may use the group with the cloud icon in those cases.

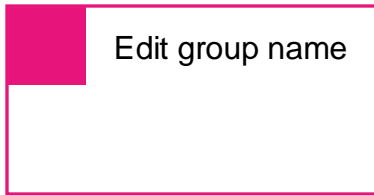
# Create a Custom Group for a Service

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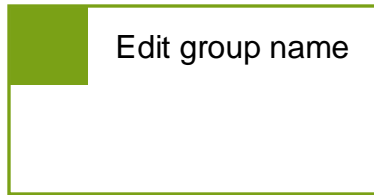
Select a group with the category color where you find your service to start creating your custom group. **All groups are fully editable.**



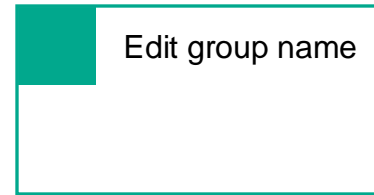
Analytics  
Games  
Networking & Content Delivery  
Serverless



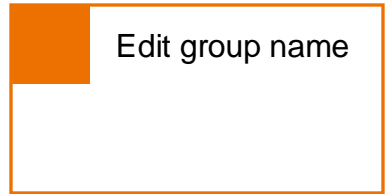
Application Integration  
Management & Governance



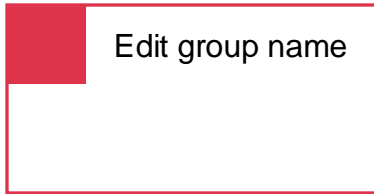
Cloud Financial Management  
Internet of Things  
Storage



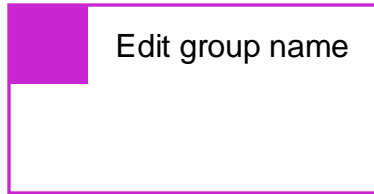
Artificial Intelligence  
End User Computing  
Migration & Modernization



Blockchain  
Compute  
Containers  
Media Services  
Quantum Technologies



Business Applications  
Contact Center  
Front-End Web & Mobile  
Robotics  
Security, Identity & Compliance



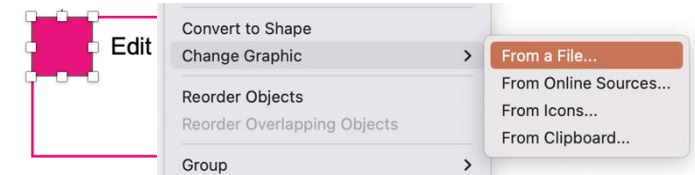
Customer Enablement  
Database  
Developer Tools  
Satellite

## 1. Download the asset package.

Go to the [AWS Architecture Icons](#) webpage and download the asset package to your desktop.

## 2. Begin customizing.

In your chosen group, select the square icon and choose **Change Graphic > From a File.**



## 3. Find the service icon.

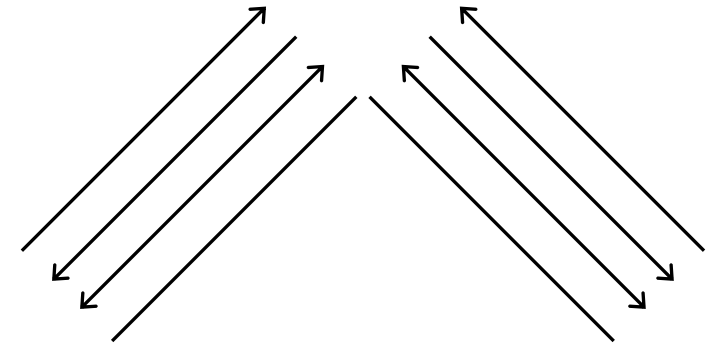
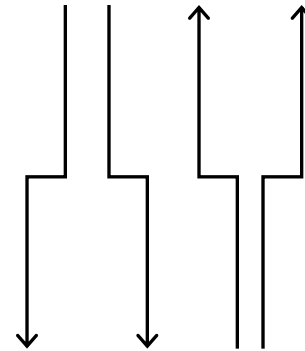
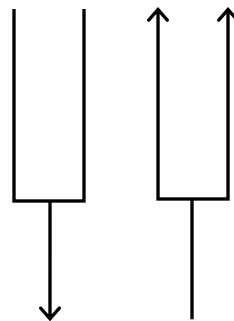
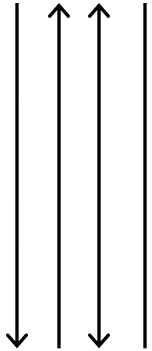
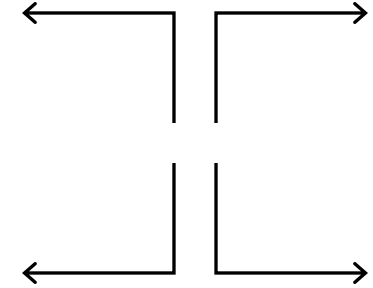
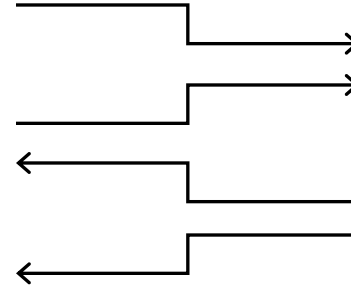
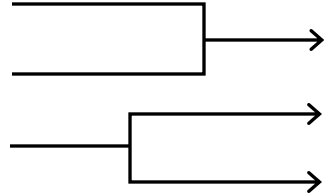
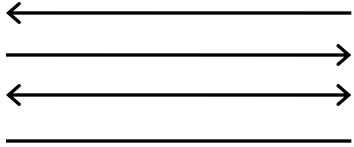
Navigate to the **Architecture-Service-Icons** folder in the asset package. Then find the appropriate **category** folder where the service appears.

## 4. Insert the service icon.

In the **Arch\_32** folder, select the architecture service icon **SVG** file, then click **Insert**. **Do not** choose a PNG file, image quality will be degraded.

# Arrows

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# General Icons

## General Services



AWS Marketplace

## Resource Icons



Client



Mobile client



Disk



Server



Servers



Tape storage



Database



Cold storage



Data stream



Internet



Internet alt1



Internet alt2



Globe



Office building



Firewall



SAML token



SSL padlock



Credentials



Shield



Alert



Toolkit



SDK



User



Authenticated user



Users



Forums



Chat

# General Icons

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## General Services



AWS Marketplace

## Resource Icons



Multimedia



Programming language



Source code



Logs



JSON script



Document



Documents



Folder



Folders



Data table



Magnifying glass



Generic application



Email



Metrics,  
Data visualization



Git repository



AWS  
Management  
Console



Camera



Question



Gear



Recover

# Analytics



**STANDARD  
CATEGORY ICON**

Service Icons



Amazon CloudSearch



Amazon EMR



AWS Lake Formation



Amazon Kinesis

Resource Icons



Search documents



Cluster



HDFS cluster



EMR engine



Data lake

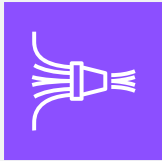
Service Icons



Amazon Kinesis  
Video Streams



Amazon Kinesis  
Data Streams



Amazon Data Firehose  
(successor to Kinesis Data Firehose)



Amazon Managed Service  
for Apache Flink

Resource Icons



Service Icons



AWS Glue



AWS Glue Elastic Views



Amazon OpenSearch Service

Resource Icons



Crawler



AWS Glue Data Catalog



AWS Glue for Ray



AWS Glue Data Quality



Index



Data node



UltraWarm node



Cluster Administrator node



OpenSearch Dashboards



Traces



Observability



OpenSearch Ingestion

Service Icons



Amazon Redshift



Amazon QuickSight



AWS Data Pipeline

Resource Icons



Dense  
compute node



Dense  
storage node



RA3



Query Editor  
v2.0



Paginated Reports



Redshift ML



Data sharing  
governance

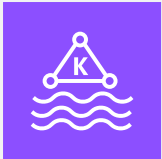


Auto-copy



Streaming  
Ingestion

Service Icons



Amazon Managed Streaming  
for Apache Kafka  
(Amazon MSK)



AWS Data Exchange



AWS Glue DataBrew



Amazon FinSpace

Resource Icons



Amazon MSK  
Connect



AWS Data  
Exchange for APIs

Service Icons



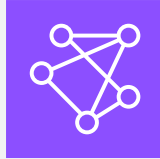
Amazon DataZone



AWS Clean Rooms



Amazon Athena



AWS Entity Resolution

Resource Icons



Business data  
catalog



Data portal

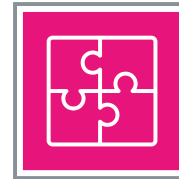


Data projects



Data source  
connectors

# Application Integration



STANDARD  
CATEGORY ICON

# Application Integration

## Service Icons



Amazon Simple Notification Service (Amazon SNS)



Amazon Simple Queue Service (Amazon SQS)



Amazon MQ



AWS AppSync

## Resource Icons



Email notification



HTTP notification



Topic



Message



Queue



Broker

Service Icons



AWS Step Functions



Amazon EventBridge

Resource Icons



Event



Rule



SaaS  
event bus



Default  
event bus



Custom  
event bus



Schema



Schema  
registry



Scheduler



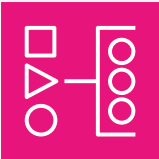
Pipes

# Application Integration

Service Icons



Amazon AppFlow



Amazon Managed Workflows  
for Apache Airflow  
(Amazon MWAA)



AWS B2B Data Interchange



AWS Express  
Workflows

Resource Icons



# Artificial Intelligence



STANDARD  
CATEGORY ICON

# Artificial Intelligence

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## Service Icons



Amazon Comprehend



Amazon Elastic Inference



Amazon Forecast



Amazon Lex

## Resource Icons

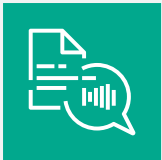
# Artificial Intelligence

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## Service Icons



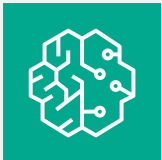
Amazon Personalize



Amazon Polly



Amazon Rekognition



Amazon SageMaker

## Resource Icons



Amazon Rekognition image



Amazon Rekognition video



Notebook



Canvas



Model



Train



Shadow testing



Geospatial ML

# Artificial Intelligence

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## Service Icons



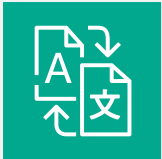
Amazon SageMaker  
Ground Truth



Amazon Textract



Amazon Transcribe



Amazon Translate

## Resource Icons



Analyze Lending

# Artificial Intelligence

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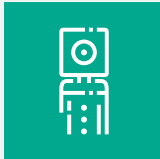
Service Icons



AWS Deep Learning AMIs



AWS Deep Learning Containers



AWS DeepLens



AWS DeepRacer

Resource Icons

Service Icons



Apache MXNet on AWS



TensorFlow on AWS



AWS DeepComposer

Resource Icons

# Artificial Intelligence

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## Service Icons



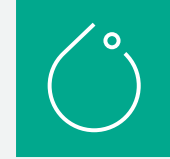
Amazon Fraud Detector



Amazon Kendra



Amazon CodeGuru



PyTorch on AWS

## Resource Icons

# Artificial Intelligence

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## Service Icons



Amazon Lookout  
for Equipment



Amazon Lookout  
for Metrics



Amazon Lookout  
for Vision



Amazon Monitron

## Resource Icons



# Artificial Intelligence

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## Service Icons



Amazon DevOps Guru



AWS HealthLake



AWS Panorama



AWS Neuron

## Resource Icons

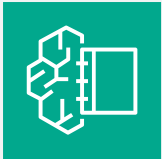


Insights

# Artificial Intelligence

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## Service Icons



Amazon SageMaker  
Studio Lab



Amazon Comprehend  
Medical



Amazon CodeWhisperer



AWS HealthOmics

## Resource Icons

# Artificial Intelligence

10/10

Service Icons



AWS HealthImaging



AWS HealthScribe



Amazon Bedrock



Amazon Q

Resource Icons

# Blockchain



STANDARD  
CATEGORY ICON

Service Icons



Amazon Managed Blockchain



Amazon Quantum Ledger Database (Amazon QLDB)

Resource Icons



Blockchain

# Business Applications



STANDARD  
CATEGORY ICON

# Business Applications

Service Icons



Alexa for Business



Amazon Chime



Amazon WorkMail

Resource Icons

# Business Applications

## Service Icons



Amazon Connect



Amazon Pinpoint



Amazon Simple Email Service (Amazon SES)



Amazon WorkDocs

## Resource Icons



Journey



Email



# Business Applications

Service Icons



Amazon Chime SDK



Amazon Pinpoint APIs



Amazon WorkDocs SDK



AWS Wickr

Resource Icons

Service Icons



AWS Supply Chain



AWS AppFabric

Resource Icons

# Cloud Financial Management



STANDARD  
CATEGORY ICON

# Cloud Financial Management

Service Icons



AWS Budgets



AWS Cost &  
Usage Report



AWS Cost Explorer



Reserved Instance (RI)  
Reporting

Resource Icons

# Cloud Financial Management

Service Icons



Savings Plans



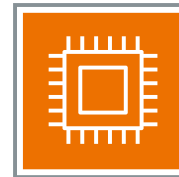
AWS Application Cost Profiler



AWS Billing Conductor

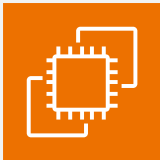
Resource Icons

# Compute



**STANDARD  
CATEGORY ICON**

## Service Icons



Amazon Elastic Compute  
Cloud (Amazon EC2)

## Resource Icons



AMI



Auto scaling



Elastic IP  
address



Rescue



AWS Microservice  
Extractor for .NET

## Instances



Instance\*



DB instance



Instances



Spot Instance



Instance with  
CloudWatch

\*Specify the instance type. Example labels: M5n instance, C4 instance, High Memory instance.  
Refer to the latest list of [EC2 instance types](#).

# Compute

## Service Icons



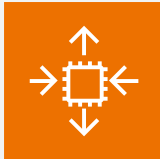
AWS Elastic Beanstalk



AWS Lambda



Amazon Lightsail



Amazon EC2  
Auto Scaling

## Resource Icons



Deployment



Lambda function



Application



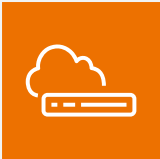
Service Icons



AWS Outposts family



AWS Outposts rack



AWS Outposts servers



AWS Serverless  
Application Repository

Resource Icons

Service Icons



AWS Wavelength



AWS Local Zones



Amazon EC2 Image Builder



Bottlerocket

Resource Icons

Service Icons



AWS ParallelCluster



NICE DCV



Elastic Fabric Adapter



AWS Nitro Enclaves

Resource Icons

Service Icons



AWS App Runner



NICE EnginFrame



Amazon Lightsail  
for Research



AWS Batch

Resource Icons

Service Icons



AWS SimSpace Weaver

Resource Icons

# Contact Center



**STANDARD  
CATEGORY ICON**

Service Icons



Amazon Connect

Resource Icons

# Containers



STANDARD  
CATEGORY ICON



Service Icons



Amazon Elastic Kubernetes Service (Amazon EKS)



Amazon Elastic Container Registry (Amazon ECR)



Amazon Elastic Container Service (Amazon ECS)



Amazon ECS Anywhere

Resource Icons



EKS on Outposts



Registry



Image



Container 1



Container 2



Container 3



Task



Service



ECS Service Connect



Copilot CLI

Service Icons



Amazon EKS Anywhere



Amazon EKS Cloud



Amazon EKS Distro



AWS Fargate

Resource Icons

Service Icons



Red Hat OpenShift Service  
on AWS (ROSA)

Resource Icons

# Customer Enablement



STANDARD  
CATEGORY ICON

# Customer Enablement

Service Icons



AWS IQ



AWS Managed  
Services



AWS Professional  
Services



AWS Support

Resource Icons

Service Icons



AWS Training and  
Certification



AWS Activate



AWS re:Post



AWS re:Post Private

Resource Icons

# Database



STANDARD  
CATEGORY ICON

Service Icons



Amazon Aurora



Amazon DocumentDB  
(with MongoDB compatibility)



Amazon DynamoDB

Resource Icons



Trusted Language  
Extensions for  
PostgreSQL



Amazon DocumentDB  
Elastic Clusters



Attribute



Items



Amazon DynamoDB  
Accelerator (DAX)



Stream



Item



Table



Standard Access  
table class



Attributes



Global  
secondary  
index



Standard-Infrequent  
Access table class



Service Icons



Amazon Keyspaces  
(for Apache Cassandra)



AWS Database Migration  
Service (AWS DMS)



Amazon Neptune



Amazon Timestream

Resource Icons



Database migration  
workflow or job

Service Icons



Amazon Relational Database Service (Amazon RDS)



Amazon RDS on VMware



Amazon MemoryDB for Redis

Resource Icons



Multi-AZ



Multi-AZ DB cluster



Blue/Green Deployments



Optimized Writes



Trusted Language Extensions for PostgreSQL

Service Icons



Amazon ElastiCache

Resource Icons



Cache node



ElastiCache  
for Redis



ElastiCache for  
Memcached

## Resource Icons



Amazon Aurora instance



Amazon Aurora instance alternate



Amazon RDS instance



Amazon RDS instance alternate



MySQL instance



MySQL instance alternate



Oracle instance



Oracle instance alternate



PostgreSQL instance



PostgreSQL instance alternate



PIOPS instance



Amazon RDS proxy instance alternate



MariaDB instance



MariaDB instance alternate



SQL Server instance

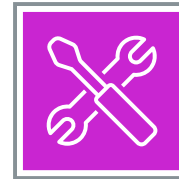


SQL Server instance alternate



Amazon RDS proxy instance

# Developer Tools



**STANDARD  
CATEGORY ICON**

# Developer Tools

1/5

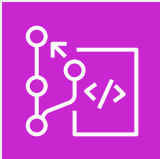
## Service Icons



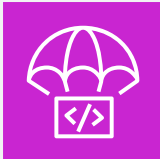
AWS Cloud9



AWS CodeBuild



AWS CodeCommit



AWS CodeDeploy

## Resource Icons



Cloud9

# Developer Tools

## Service Icons



AWS CodePipeline



AWS CodeStar



AWS Command Line Interface (AWS CLI)



AWS Tools and SDKs

## Resource Icons

# Developer Tools

3/5

Service Icons



AWS X-Ray



AWS Cloud Development Kit  
(AWS CDK)



AWS CodeArtifact



AWS CloudShell

Resource Icons

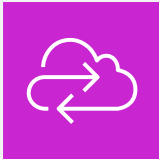


# Developer Tools

## Service Icons



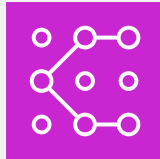
Amazon Corretto



AWS Cloud Control API



Amazon CodeCatalyst



AWS Application Composer

## Resource Icons

Service Icons



AWS Fault Injection Service  
(successor to AWS Fault  
Injection Simulator)

Resource Icons

# End User Computing



STANDARD  
CATEGORY ICON

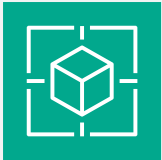
# End User Computing

1/1

## Service Icons



Amazon AppStream 2.0  
(successor to Amazon AppStream)



Amazon WorkSpaces Family



Amazon WorkSpaces  
Thin Client

## Resource Icons



Amazon  
WorkSpaces



Amazon  
WorkSpaces Core



Amazon  
WorkSpaces  
Secure Browser

# Front-End Web & Mobile



**STANDARD  
CATEGORY ICON**

## Service Icons



AWS Amplify



AWS Device Farm



Amazon Location Service

## Resource Icons



AWS Amplify Studio



Track



Place



Map



Geofence



Routes

# Games



**STANDARD  
CATEGORY ICON**

Service Icons



Amazon GameLift



AWS GameKit



Amazon GameSparks



Open 3D Engine

Resource Icons



# Internet of Things



**STANDARD  
CATEGORY ICON**

Service Icons



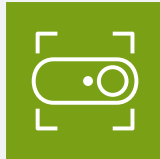
FreeRTOS



AWS IoT 1-Click



AWS IoT Analytics



AWS IoT Button

Resource Icons



AWS IoT  
Device Tester



Channel



Dataset



Pipeline



Notebook



Data store

# Internet of Things

## Service Icons



AWS IoT Core



AWS IoT Device  
Defender



AWS IoT Device  
Management



AWS IoT Events

## Resource Icons



Device Advisor



IoT device jobs



Fleet Hub



Device Location

Service Icons



AWS IoT Greengrass



AWS IoT SiteWise

Resource Icons



Connector



Stream manager



Artifact



Component



Asset model



Asset



Asset hierarchy



Component machine learning



Component nucleus



Component private



Component public



Properties



Data streams



Interprocess communication



Protocol



Recipe



AWS IoT Device Tester

Service Icons



AWS IoT ExpressLink



AWS IoT TwinMaker



AWS IoT RoboRunner



AWS IoT FleetWise




























Resource Icons



AWS IoT  
Device Tester

# Internet of Things

## IoT Resources

 IoT action	 IoT actuator	 IoT certificate	 IoT desired state	 IoT hardware board	 IoT HTTP protocol
 IoT HTTP/2 protocol	 IoT MQTT protocol	 IoT policy	 IoT reported state	 IoT rule	 IoT sensor
 IoT servo	 IoT shadow	 IoT simulator	 IoT topic	 Alexa skill	 Alexa Voice Service
 Alexa-enabled device	 Echo	 Fire TV	 Fire TV Stick	 Lambda function	 Over-the-air update
 Device gateway	 AWS IoT Core for LoRaWAN protocol	 LoRaWAN protocol			

# Internet of Things

## IoT Things



IoT thing bank



IoT thing bicycle



IoT thing camera



IoT thing car



IoT thing cart



IoT thing coffee pot



IoT thing door lock



IoT thing factory



IoT thing generic



IoT thing house



IoT thing lightbulb



IoT thing travel



IoT thing medical emergency



IoT thing police emergency



IoT thing utility



IoT thing windfarm



IoT thing humidity sensor



IoT thing vibration sensor



IoT thing temperature sensor



IoT thing temperature & humidity sensor



IoT thing temperature & vibration sensor



IoT thing relay



IoT thing stack light



IoT thing FreeRTOS device



IoT thing industrial PC



IoT thing PLC

# Management & Governance



STANDARD  
CATEGORY ICON

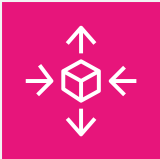


# Management & Governance

## Service Icons



Amazon CloudWatch



AWS Auto Scaling



AWS CloudFormation

## Resource Icons



Alarm



Rule



RUM



Cross-account observability



Event (time-based)



Event (event-based)



Evidently



Data protection



Logs



Synthetics



Metrics Insights



Change set



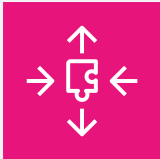
Stack



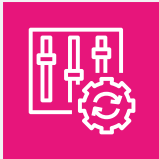
Template

# Management & Governance

## Service Icons



AWS Application  
Auto Scaling



AWS Config



AWS License Manager



AWS Health Dashboard

## Resource Icons



License blending



Application discovery

# Management & Governance

## Service Icons



AWS Management Console



AWS OpsWorks



AWS CloudTrail

## Resource Icons



Apps



Instances



Monitoring



CloudTrail Lake



Permissions



Deployments



Layers



Resources



Stack2

# Management & Governance

## Service Icons



AWS Service Catalog



AWS Systems Manager

## Resource Icons



Automation



Documents



Patch Manager



Parameter Store



OpsCenter



Maintenance Windows



Inventory



State Manager



Run Command



Incident Manager



Session Manager



Change Manager



Change Calendar



Compliance



Application Manager



Distributor

Service Icons



AWS Trusted Advisor



AWS Well-Architected Tool



AWS Control Tower

Resource Icons



Checklist  
cost



Checklist  
performance



Checklist  
security



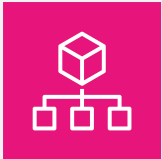
Checklist  
fault tolerant



Checklist

# Management & Governance

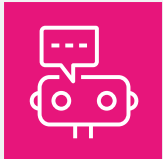
## Service Icons



AWS Organizations



AWS AppConfig



AWS Chatbot



AWS Backint Agent

## Resource Icons



Account



Organizational unit



Management account

Service Icons



Amazon Managed Grafana



Amazon Managed Service  
for Prometheus



AWS Distro for  
OpenTelemetry

Resource Icons

Service Icons



AWS Proton



AWS Launch Wizard



AWS Resilience Hub



AWS Service Management  
Connector (SMC)

Resource Icons



Service Icons



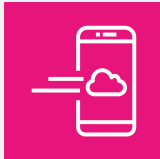
AWS Resource Explorer



AWS Telco Network Builder



AWS Compute Optimizer



AWS Console  
Mobile Application

Resource Icons

# Media Services



STANDARD  
CATEGORY ICON

# Media Services

## Service Icons



Amazon Elastic  
Transcoder



Amazon Kinesis  
Video Streams



AWS Elemental  
MediaConnect



AWS Elemental  
MediaConvert

## Resource Icons



AWS Cloud  
Digital Interface



MediaConnect  
Gateway

Service Icons



AWS Elemental  
MediaLive



AWS Elemental  
MediaPackage



AWS Elemental  
MediaStore



AWS Elemental  
MediaTailor

Resource Icons

Service Icons



AWS Elemental  
Conductor



AWS Elemental Delta



AWS Elemental Live



AWS Elemental  
Server

Resource Icons

Service Icons



AWS Elemental  
Appliances & Software



Amazon Interactive  
Video Service



AWS Elemental Link



Amazon Nimble Studio

Resource Icons

Service Icons



AWS Thinkbox Krakatoa



AWS Thinkbox Deadline



AWS Thinkbox XMesh



AWS Thinkbox Frost

Resource Icons

Service Icons



AWS Thinkbox Stoke



AWS Deadline Cloud

Resource Icons



# Migration & Modernization



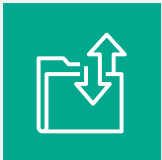
STANDARD  
CATEGORY ICON

# Migration & Modernization

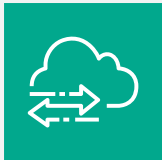
## Service Icons



AWS Application  
Discovery Service



AWS Transfer Family



AWS DataSync



AWS Migration Hub

## Resource Icons



Agentless Collector



Discovery Agent



Migration Evaluator  
Collector



AWS FTPS



AWS SFTP



AWS FTP



AWS AS2



Agent



Discovery



Refactor Spaces  
services



Refactor Spaces  
applications



Refactor Spaces  
environments

# Migration & Modernization

## Service Icons



AWS Application Migration Service



AWS Migration Evaluator



AWS Mainframe Modernization

## Resource Icons



Analyzer



Compiler



Converter



Runtime



Developer

# Networking & Content Delivery



STANDARD  
CATEGORY ICON

# Networking & Content Delivery

## Service Icons



AWS Transit Gateway



Amazon CloudFront



Amazon Route 53

## Resource Icons



Attachment



Download distribution



Edge location



Hosted zone



Route table



Readiness checks



Streaming distribution



Functions



Resolver



Resolver DNS firewall



Routing controls



Resolver query logging



Route 53 Application Recovery Controller

Service Icons



Amazon Virtual Private Cloud  
(Amazon VPC)

Resource Icons



Customer gateway



Internet gateway



VPN gateway



Flow logs



Endpoints



Router



Traffic mirroring



NAT gateway



Elastic network  
interface



Elastic network  
adapter



Network access  
control list



VPN connection



Peering  
connection



Reachability  
Analyzer



Carrier gateway



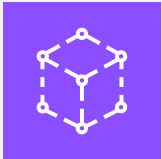
Network Access  
Analyzer



Virtual private  
cloud (VPC)

# Networking & Content Delivery

## Service Icons



AWS App Mesh



AWS Cloud Map



AWS Direct Connect



AWS Global Accelerator

## Resource Icons



Mesh



Virtual gateway



Virtual node



Virtual router



Virtual service



Service



Namespace



Resource



Gateway

# Networking & Content Delivery

## Service Icons



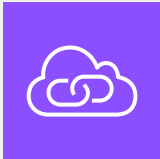
AWS Client VPN



AWS Site-to-Site VPN



Elastic Load Balancing



AWS PrivateLink

## Resource Icons



Application Load Balancer



Network Load Balancer



Classic Load Balancer



Gateway Load Balancer



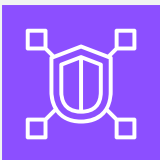
Service Icons



AWS Cloud WAN



AWS Private 5G



Amazon VPC Lattice



AWS Verified Access

Resource Icons



Segment network

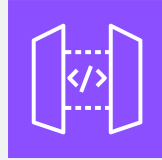


Core network edge



Transit gateway route  
table attachment

## Service Icons



Amazon API Gateway

## Resource Icons



Endpoint

# Quantum Technologies



**STANDARD  
CATEGORY ICON**

Service Icons



Amazon Braket

Resource Icons



Chandelier



Chip



QPU



Simulator



Simulator 1



Simulator 2



Simulator 3



Simulator 4



State vector



Tensor network



Noise simulator

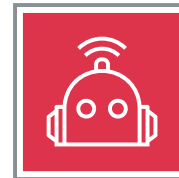


Embedded simulator



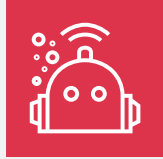
Managed simulator

# Robotics



**STANDARD  
CATEGORY ICON**

## Service Icons



AWS RoboMaker

## Resource Icons



Cloud  
extensions ROS



Development  
environment



Fleet  
management



Simulation

# Satellite



**STANDARD  
CATEGORY ICON**

Service Icons



AWS Ground Station

Resource Icons



# Security, Identity, & Compliance



STANDARD  
CATEGORY ICON

# Security, Identity, & Compliance

Service Icons



Amazon Cloud Directory



Amazon Cognito



Amazon GuardDuty



Amazon Inspector

Resource Icons



Agent

# Security, Identity, & Compliance

## Service Icons



Amazon Macie



AWS Artifact



AWS Certificate Manager (ACM)



AWS CloudHSM

## Resource Icons



Certificate authority

# Security, Identity, & Compliance

## Service Icons



AWS Directory Service



AWS Firewall Manager



AWS Identity and Access Management (IAM)

## Resource Icons



Simple AD



AD Connector



AWS Managed Microsoft AD



Add-on



Permissions



MFA token



Role



AWS STS



AWS STS alternate



Long-term security credential



IAM Access Analyzer



Encrypted data



Data encryption key



Temporary security credential



IAM Roles Anywhere

# Security, Identity, & Compliance

## Service Icons



AWS Key Management Service (AWS KMS)



AWS Secrets Manager



AWS Security Hub



AWS Shield

## Resource Icons



External Key Store (XKS)



Finding



AWS Shield Advanced

# Security, Identity, & Compliance

## Service Icons



AWS IAM Identity Center



AWS WAF



Amazon Detective



AWS Resource Access Manager

## Resource Icons



Rule



Managed rule



Filtering rule



Labels



Bot



Bad bot



Bot control

# Security, Identity, & Compliance

## Service Icons



AWS Audit Manager



AWS Network Firewall



AWS Signer



AWS Private Certificate Authority

## Resource Icons



Endpoints

# Security, Identity, & Compliance

Service Icons



Amazon Verified Permissions



Amazon Security Lake



AWS Payment Cryptography

Resource Icons



# Serverless



**STANDARD  
CATEGORY ICON**

# Serverless

1/1

Serverless is a way to describe the services that enable you to build and run applications without thinking about servers. AWS has serverless services for all layers of your stack. In many public forums, like our marketing website, we list these services under the Serverless heading because it improves discoverability.

When it comes to building an architecture diagram, it's more intuitive to use a functional categorization. Please find the architecture icon for each serverless service in its functional category. You can use the serverless category icon to describe serverless applications or architectures.

**To view the full list of Serverless Applications and learn more follow the link below:**

[Serverless on AWS »](#)

# Storage



**STANDARD  
CATEGORY ICON**

## Service Icons



Amazon Elastic Block Store  
(Amazon EBS)



AWS Storage Gateway

## Resource Icons



Snapshot



Multiple  
volumes



Amazon Data  
Lifecycle Manager



Volume



Volume gp3



Noncached  
volume



Cached  
volume



Amazon FSx  
File Gateway



Virtual tape  
library



Tape  
Gateway



Amazon S3  
File Gateway



Volume  
Gateway



File  
gateway

Service Icons



Amazon Elastic File System  
(Amazon EFS)



AWS Elastic Disaster  
Recovery (AWS DRS)



Amazon FSx

Resource Icons



File system



EFS Standard



EFS Standard–  
Infrequent Access



EFS Intelligent-  
Tiering



EFS One Zone



EFS One Zone–  
Infrequent Access



Elastic Throughput

Service Icons



Amazon FSx  
for Lustre



Amazon FSx for  
Windows File Server



Amazon FSx for NetApp  
ONTAP



Amazon FSx for OpenZFS

Resource Icons



File system



File system

Service Icons



AWS Snowball Edge



AWS Snowball



AWS Snowcone

Resource Icons



Snowball  
import-export

## Service Icons



AWS Backup

## Resource Icons



Backup plan



Backup vault



Virtual machine



Virtual machine monitor



AWS Backup Vault Lock



AWS Backup support for VMware workloads



AWS Backup for AWS CloudFormation



Recovery point objective



Recovery time objective



Database



Storage



Legal hold



AWS Backup support for Amazon S3



Compliance reporting



Backup restore



Gateway



Compute



AWS Backup Audit Manager



AWS Backup support for Amazon FSx for NetApp ONTAP



Service Icons



Amazon Simple Storage Service (Amazon S3)

Storage Classes



S3 Standard



S3 Intelligent-Tiering



S3 Standard-IA



S3 One Zone-IA



S3 Glacier Flexible Retrieval



S3 Glacier Deep Archive



S3 Glacier Instant Retrieval



S3 on Outposts



S3 Express One Zone

Resource Icons



General purpose bucket



Directory bucket



Bucket with objects



S3 Replication



S3 Replication Time Control



S3 Storage Lens



Access points



VPC access points



S3 Object Lambda



S3 Object Lambda Access Points



S3 Multi-Region Access Points



S3 Select



S3 Object Lock



S3 Batch Operations



Object

Service Icons



Amazon S3 on Outposts



Amazon S3 Glacier



Amazon File Cache

Resource Icons



Vault



Archive



On-premises NFS  
linked datasets



Hybrid NFS  
linked datasets



S3 linked datasets