AWS Architecture and Resource Icons for LaTeX

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1 What is this?

- List of AWS icons, converted to LaTeX–compatible form using Inkscape `(v0.92.4 (5da689c313, 2019-01-14))` using the Go program aws2tex. This Go program also generates the icons portion (LaTeX) of this document.
- All generated icons are written to the `icons_tex` directory.
- This document is to illustrate as well as index these icons. In order to keep the size of this document manageable, it only contains:
  - For Resources, only the `_Light` versions. The `_Dark` are omitted.
  - For Architecture, only the `_64` versions. The lower resolution `_16,_32,_48` are omitted.

  While the above icons are omitted in the document, they are all included and available for use, in the `icons_tex` directory.

  For instructions on how to generate this document with *all* icons, please see the instructions in the README.md at the github repo.
- This document is found in: https://github.com/gnewton/awsArchIcons2LaTeX

2 How to use it?

Icons can be added to LaTeX documents using the `\includegraphics` command:

```
Here is an API Gateway:
  \includegraphics[width=1cm]{../icons_tex/Arch_Amazon-API-Gateway_64.pdf}
```

Resulting in:

Here is an API Gateway:

[Without the gray background]

2.1 Examples

See the examples directory at the github repo.

3 Source

AWS Architecture Icons from https://aws.amazon.com/architecture/icons/.
Assets package used: AWS-Architecture-Assets-For-Light-and-Dark-BG_20200911.478ff05b80f909792f7853b1a28de8e28eac67f4.zip

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Icons in this document (I believe) are © Amazon Web Services (AWS)

4 Resources

API Gateway: Endpoint

Res_Amazon-API-Gateway_Endpoint_48_Light.pdf
\RAPIGatewayEndpoint

App Mesh Mesh

Res_AWS-App-Mesh-Mesh_48_Light.pdf
\RAppMeshMesh

App Mesh Virtual Node

Res_AWS-App-Mesh-Virtual-Node_48_Light.pdf
\RAppMeshVirtualNode

App Mesh Virtual Router

Res_AWS-App-Mesh-Virtual-Router_48_Light.pdf
\RAppMeshVirtualRouter

App Mesh Virtual Service

Res_AWS-App-Mesh-Virtual-Service_48_Light.pdf
\RAppMeshVirtualService

App Mesh: Virtual Gateway

Res_App-Mesh_Virtual-Gateway_48_Light.pdf
\RAppMeshVirtualGateway

Aurora: Amazon Aurora Instance alternate

Res_Amazon-Aurora_Amazon-Aurora-Instance-alternate_48_Light.pdf
\RAuroraAmazonAuroraInstancealternate

Aurora: Amazon RDS Instance

Res_Amazon-Aurora_Amazon-RDS-Instance_48_Light.pdf
\RAuroraAmazonRDSInstance

Aurora: Amazon RDS Instance Alternate

Res_Amazon-Aurora_Amazon-RDS-Instance-Alternate_48_Light.pdf
\RAuroraAmazonRDSInstanceAlternate

Aurora: Instance

Res_Amazon-Aurora-Instance_48_Light.pdf
\RAuroraInstance

Aurora: MariaDB Instance

Res_Amazon-Aurora-MariaDB-Instance_48_Light.pdf
\RAuroraMariaDBInstance

Aurora: MariaDB Instance Alternate

Res_Amazon-Aurora-MariaDB-Instance-Alternate_48_Light.pdf
\RAuroraMariaDBInstanceAlternate

Aurora: MySQL Instance

Res_Amazon-Aurora-MySQL-Instance_48_Light.pdf
\RAuroraMySQLInstance

Aurora: MySQL Instance Alternate

Res_Amazon-Aurora-MySQL-Instance-Alternate_48_Light.pdf
\RAuroraMySQLInstanceAlternate

Aurora: Oracle Instance

Res_Amazon-Aurora-Oracle-Instance_48_Light.pdf
\RAuroraOracleInstance

Aurora: Oracle Instance Alternate

Res_Amazon-Aurora-Oracle-Instance-Alternate_48_Light.pdf
\RAuroraOracleInstanceAlternate

Aurora: PIOPS

Res_Amazon-Aurora-PIOPS_48_Light.pdf
\RAuroraPIOPS

Aurora: PostgreSQL Instance

Res_Amazon-Aurora-PostgreSQL-Instance_48_Light.pdf
\RAuroraPostgreSQLInstance

Aurora: PostgreSQL Instance Alternate

Res_Amazon-Aurora-PostgreSQL-Instance-Alternate_48_Light.pdf
\RAuroraPostgreSQLInstanceAlternate

Aurora: SQL Server Instance

Res_Amazon-Aurora-SQL-Server-Instance_48_Light.pdf
\RAuroraSQLServerInstance

Aurora: SQL Server Instance Alternate

Res_Amazon-Aurora-SQL-Server-Instance-Alternate_48_Light.pdf
\RAuroraSQLServerInstanceAlternate

Certificate Manager: Certificate Authority

Res_AWS-Certificate-Manager_Certificate-Authority_48_Light.pdf
\RCertificateManagerCertificateAuthority

Cloud Map Namespace

Res_AWS-Cloud-Map-Namespace_48_Light.pdf
\RCloudMapNamespace

Cloud Map Resource

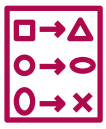
Res_AWS-Cloud-Map-Resource_48_Light.pdf
\RCloudMapResource

Cloud Map: Service

Res_AWS-Cloud-Map_Service_48_Light.pdf
\RCloudMapService

Cloud9: Cloud9

Res_AWS-Cloud9_Cloud9_48_Light.pdf
\RCloudNineCloudNine



CloudFormation: Change Set

Res_AWS-CloudFormation_Change-Set_48_Light.pdf
\RCloudFormationChangeSet

CloudFormation: Stack

Res_AWS-CloudFormation_Stack_48_Light.pdf
\RCloudFormationStack

CloudFormation: Template

Res_AWS-CloudFormation_Template_48_Light.pdf
\RCloudFormationTemplate

CloudFront: Download Distribution

Res_Amazon-CloudFront_Download-Distribution_48_Light.pdf
\RCloudFrontDownloadDistribution

CloudFront: Edge Location

Res_Amazon-CloudFront_Edge-Location_48_Light.pdf
\RCloudFrontEdgeLocation

CloudFront: Streaming Distribution

Res_Amazon-CloudFront_Streaming-Distribution_48_Light.pdf
\RCloudFrontStreamingDistribution

CloudSearch: Search Documents

Res_Amazon-CloudSearch_Search-Documents_48_Light.pdf
\RCloudSearchSearchDocuments

Cloudwatch: Alarm

Res_Amazon-Cloudwatch_Alarm_48_Light.pdf
\RCloudwatchAlarm

Cloudwatch: Event Based

Res_Amazon-Cloudwatch_Event-Based_48_Light.pdf
\RCloudwatchEventBased

Cloudwatch: Event Time Based

Res_Amazon-Cloudwatch_Event-Time-Based_48_Light.pdf
\RCloudwatchEventTimeBased

Cloudwatch: Logs

Res_Cloudwatch_Logs_48_Light.pdf
\RCloudwatchLogs

Cloudwatch: Rule

Res_Amazon-Cloudwatch_Rule_48_Light.pdf
\RCloudwatchRule

Database Migration Service: Database migration workflow job

Res_AWS-Database-Migration-Service_Database-migration-workflow-job_48_Light.pdf
\RDatabaseMigrationServiceDatabasemigrationworkflowjob

Datasync: Agent

Res_AWS-Datasync_Agent_48_Light.pdf
\RDatasyncAgent

Direct Connect Gateway

Res_AWS-Direct-Connect-Gateway_48_Light.pdf
\RDirectConnectGateway

Directory Service: AD Connector

Res_AWS-Directory-Service_AD-Connector_48_Light.pdf
\RDirectoryServiceADConnector

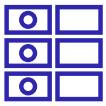
Directory Service: AWS Managed Microsoft AD

Res_AWS-Directory-Service_AWS-Managed-Microsoft-AD_48_Light.pdf
\RDirectoryServiceAWSManagedMicrosoftAD

Directory Service: Simple AD
Res_AWS-Directory-Service_Simple-AD_48_Light.pdf
\RDirectoryServiceSimpleAD

DynamoDB: Amazon DynamoDB Accelerator
Res_Amazon-DynamoDB_Amazon-DynamoDB-Accelerator_48_Light.pdf
\RDynamoDBAmazonDynamoDBAccelerator

DynamoDB: Attribute
Res_Amazon-DynamoDB_Attribute_48_Light.pdf
\RDynamoDBAttribute



DynamoDB: Attributes
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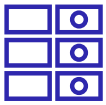
\RDynamoDBAttributes

DynamoDB: Global secondary index
Res_Amazon-DynamoDB_Global-secondary-index_48_Light.pdf
\RDynamoDBGlobalsecondaryindex

DynamoDB: Item
Res_Amazon-DynamoDB_Item_48_Light.pdf
\RDynamoDBItem



DynamoDB: Items
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DynamoDB: Table
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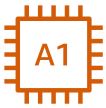
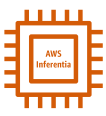
\RDynamoDBTable



EC2: A1 Instance
Res_Amazon-EC2_A1-Instance_48_Light.pdf
\RECTwoAOneInstance

EC2: AMI: Resource
Res_Amazon-EC2_AMI_Resource_48_Light.pdf
\RECTwoAMIResource



EC2: AWS Inferentia
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\RECTwoAWSInferentia

EC2: Auto Scaling
Res_Amazon-EC2_Auto-Scaling_48_Light.pdf
\RECTwoAutoScaling

EC2: C4 Instance
Res_Amazon-EC2_C4-Instance_48_Light.pdf
\RECTwoCFourInstance

EC2: C5 Instance
Res_Amazon-EC2_C5-Instance_48_Light.pdf
\RECTwoCFiveInstance

EC2: C5n Instance
Res_Amazon-EC2_C5n-Instance_48_Light.pdf
\RECTwoCFivenInstance

EC2: C6g Instance
Res_Amazon-EC2_C6g-Instance_48_Light.pdf
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EC2: D2 Instance
Res_Amazon-EC2_D2-Instance_48_Light.pdf
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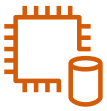

EC2: DB Instance
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EC2: Elastic IP Address
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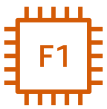
\RECTwoElasticIPAddress



EC2: F1 Instance
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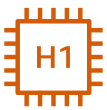
EC2: G3 Instance
Res_Amazon-EC2_G3-Instance_48_Light.pdf
\RECTwoGThreeInstance



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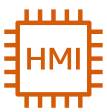

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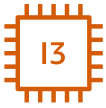

EC2: I3 Instance
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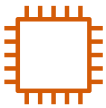


EC2: Instance
Res_Amazon-EC2_Instance_48_Light.pdf
\RECTwoInstance

EC2: Instance with CloudWatch
Res_Amazon-EC2_Instance-with-CloudWatch_48_Light.pdf
\RECTwoInstancewithCloudWatch

EC2: Instances
Res_Amazon-EC2_Instances_48_Light.pdf
\RECTwoInstances

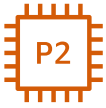
EC2: M4 Instance
Res_Amazon-EC2_M4-Instance_48_Light.pdf
\RECTwoMFourInstance

EC2: M5 Instance
Res_Amazon-EC2_M5-Instance_48_Light.pdf
\RECTwoMFiveInstance

EC2: M5a Instance
Res_Amazon-EC2_M5a-Instance_48_Light.pdf
\RECTwoMFiveaInstance

EC2: M5n Instance
Res_Amazon-EC2_M5n-Instance_48_Light.pdf
\RECTwoMFivenInstance

EC2: M6g Instance
Res_Amazon-EC2_M6g-Instance_48_Light.pdf
\RECTwoMSixgInstance



EC2: P2 Instance
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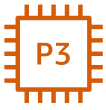

EC2: P3 Instance
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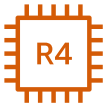
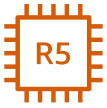


EC2: R4 Instance
Res_Amazon-EC2_R4-Instance_48_Light.pdf
\RECTwoRFourInstance



EC2: R5 Instance
Res_Amazon-EC2_R5-Instance_48_Light.pdf
\RECTwoRFiveInstance

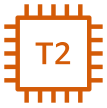
EC2: R5a Instance
Res_Amazon-EC2_R5a-Instance_48_Light.pdf
\RECTwoRFiveaInstance

EC2: R5n Instance
Res_Amazon-EC2_R5n-Instance_48_Light.pdf
\RECTwoRFivenInstance

EC2: R6g Instance
Res_Amazon-EC2_R6g-Instance_48_Light.pdf
\RECTwoRSixgInstance

EC2: Rescue
Res_Amazon-EC2_Rescue_48_Light.pdf
\RECTwoRescue

EC2: Spot Instance
Res_Amazon-EC2_Spot-Instance_48_Light.pdf
\RECTwoSpotInstance



EC2: T2 Instance
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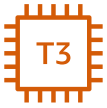
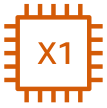
\RECTwoTTwoInstance



EC2: T3 Instance
Res_Amazon-EC2_T3-Instance_48_Light.pdf
\RECTwoTThreeInstance



EC2: X1 Instance
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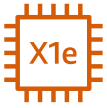
\RECTwoXOneInstance



EC2: X1e Instance
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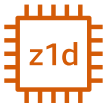
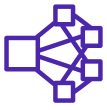
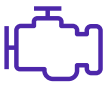
\RECTwoXOneeInstance



EC2: z1d Instance
Res_Amazon-EC2_z1d-Instance_48_Light.pdf
\RECTwozOnedInstance



EMR: Cluster
Res_Amazon-EMR_Cluster_48_Light.pdf
\REMRCluster



EMR: EMR Engine
Res_Amazon-EMR_EMR-Engine_48_Light.pdf
\REMREMREngine

EMR: EMR Engine MapR M3
Res_Amazon-EMR_EMR-Engine-MapR-M3_48_Light.pdf
\REMREMREngineMapRMThree

EMR: EMR Engine MapR M5
Res_Amazon-EMR_EMR-Engine-MapR-M5_48_Light.pdf
\REMREMREngineMapRMFive

EMR: EMR Engine MapR M7
Res_Amazon-EMR_EMR-Engine-MapR-M7_48_Light.pdf
\REMREMREngineMapRMSeven

EMR: HDFS Cluster
Res_Amazon-EMR_HDFS-Cluster_48_Light.pdf
\REMRHDFSCluster

ElastiCache: Cache Node
Res_Amazon-ElastiCache_Cache-Node_48_Light.pdf
\RElastiCacheCacheNode

ElastiCache: ElastiCache for Memcached
Res_Amazon-ElastiCache_ElastiCache-for-Memcached_48_Light.pdf
\RElastiCacheElastiCacheforMemcached

ElastiCache: ElastiCache for Redis
Res_Amazon-ElastiCache_ElastiCache-for-Redis_48_Light.pdf
\RElastiCacheElastiCacheforRedis

Elastic Beanstalk: Application
Res_Amazon-Elastic-Beanstalk_Application_48_Light.pdf
\RElasticBeanstalkApplication

Elastic Beanstalk: Deployment
Res_Amazon-Elastic-Beanstalk_Deployment_48_Light.pdf
\RElasticBeanstalkDeployment

Elastic Block Store: Multiple Volumes
Res_Amazon-Elastic-Block-Store_Multiple-Volumes_48_Light.pdf
\RElasticBlockStoreMultipleVolumes

Elastic Block Store: Snapshot
Res_Amazon-Elastic-Block-Store_Snapshot_48_Light.pdf
\RElasticBlockStoreSnapshot

Elastic Block Store: Volume
Res_Amazon-Elastic-Block-Store_Volume_48_Light.pdf
\RElasticBlockStoreVolume

Elastic Container Registry: Image
Res_Amazon-Elastic-Container-Registry_Image_48_Light.pdf
\RElasticContainerRegistryImage

Elastic Container Registry: Registry
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\RElasticContainerRegistryRegistry

Elastic Container Service: Container 1
Res_Amazon-Elastic-Container-Service_Container-1_48_Light.pdf
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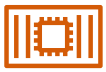

Elastic Container Service: Container 2
Res_Amazon-Elastic-Container-Service_Container-2_48_Light.pdf
\RElasticContainerServiceContainerTwo

Elastic Container Service: Container 3
Res_Amazon-Elastic-Container-Service_Container-3_48_Light.pdf
\RElasticContainerServiceContainerThree

Elastic Container Service: Service
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\RElasticContainerServiceService

Elastic Container Service: Task
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\RElasticContainerServiceTask

Elastic File System: File System
Res_Amazon-Elastic-File-System_File-System_48_Light.pdf
\RElasticFileSystemFileSystem

Elastic Load Balancing: Application Load Balancer

Res_Elastic-Load-Balancing_Application-Load-Balancer_48_Light.pdf
\RElasticLoadBalancingApplicationLoadBalancer

Elastic Load Balancing: Classic Load Balancer

Res_Elastic-Load-Balancing_Classic-Load-Balancer_48_Light.pdf
\RElasticLoadBalancingClassicLoadBalancer

Elastic Load Balancing: Network Load Balancer

Res_Elastic-Load-Balancing_Network-Load-Balancer_48_Light.pdf
\RElasticLoadBalancingNetworkLoadBalancer

Email

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EventBridge Event

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EventBridge Rule

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EventBridge Saas Partner Event

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\REventBridgeSaasPartnerEvent

EventBridge: Custom Event Bus

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EventBridge: Default Event Bus

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Firewall

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Glue: Crawler

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Glue: Data Catalog

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Identity Access Management: AWS IAM Access Analyzer

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Identity Access Management: AWS STS

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Identity Access Management: AWS STS Alternate

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Identity Access Management: Add on

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Identity Access Management: Data Encryption Key

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Identity Access Management: Encrypted Data

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Identity Access Management: Long Term Security Credential

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Identity Access Management: MFA Token

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Identity Access Management: Permissions
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Inspector: Agent
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IoT Analytics: Channel
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IoT Analytics: Data Set
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IoT Analytics: Data Store
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IoT Analytics: Notebook
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IoT Analytics: Pipeline
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IoT Device Defender: IoT Device Jobs
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IoT Greengrass: Connector
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IoT HTTP: Protocol
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IoT Hardware Board
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IoT MQTT: Protocol
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IoT Rule
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IoT Thing: Bank
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IoT Thing: Bicycle
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IoT Thing: Cart
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IoT Thing: Coffee Pot
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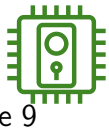

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IoT Thing: Generic
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IoT Thing: Lightbulb
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IoT Thing: Medical Emergency
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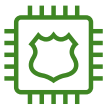

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IoT Thing: Thermostat
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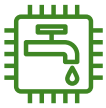

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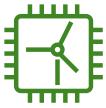

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IoT: Action
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IoT: Actuator
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IoT: Alexa: Enabled Device
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IoT: Alexa: Skill
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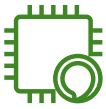

IoT: Alexa: Voice Service
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IoT: Certificate
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IoT: Desired State
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IoT: Device Gateway
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IoT: Echo
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IoT: Fire TV: Stick
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IoT: Fire: TV
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IoT: HTTP2 Protocol
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IoT: Lambda: Function
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IoT: Over Air Update
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IoT: Policy
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IoT: Reported State
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IoT: Shadow
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IoT: Simulator
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IoT: Topic
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Lake Formation: Data Lake
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Lambda: Lambda Function
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Managed Blockchain: Blockchain
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OpsWorks: Apps
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OpsWorks: Deployments
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OpsWorks: Monitoring
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OpsWorks: Permissions
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OpsWorks: Resources
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OpsWorks: Stack2
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Organizations: Account
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Organizations: Organizational Unit
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RDS Proxy Alternate
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Redshift: Dense Compute Node

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Redshift: Dense Storage Node

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Rekognition: Image

Res_Amazon-Rekognition_Image_48_Light.pdf
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Rekognition: Video

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RoboMaker: Cloud Extensions ROS

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RoboMaker: Development Environment

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RoboMaker: Fleet Management

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RoboMaker: Simulation

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Route 53 Hosted Zone

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Route 53: Route Table

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S3 Glacier: Archive

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S3 Glacier: Vault

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S3: Bucket

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S3: Bucket With Objects

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S3: General Access Points

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S3: Object

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S3: S3 Replication

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S3: S3 Replication Time Control

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S3: Service Glacier

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S3: Service Glacier Deep Archive

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S3: Service Intelligent Tiering

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S3: Service One Zone IA

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S3: Service Standard

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S3: Service Standard IA

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S3: VPC Access Points

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Sagemaker: Model

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Sagemaker: Notebook

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Sagemaker: Train

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Security Hub: Finding

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Shield: AWS Shield Advanced

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Simple Email Service: Email

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Simple Notification Service: Email Notification

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Simple Notification Service: HTTP Notification

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Simple Notification Service: Topic

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Simple Queue Service: Message

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Simple Queue Service: Queue

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Snowball: Snowball Import Export

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Storage Gateway: Cached Volume

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Storage Gateway: File Gateway

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Storage Gateway: Non Cached Volume

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Storage Gateway: Tape Gateway

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Storage Gateway: Virtual Tape Library

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Storage Gateway: Volume Gateway

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System Manager: Automation

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System Manager: Documents

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System Manager: Inventory

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System Manager: Maintenance Windows

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System Manager: OpsCenter

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System Manager: Parameter Store

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System Manager: Patch Manager

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System Manager: Run Command

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System Manager: State Manager

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Transfer Family: AWS FTP

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Transfer Family: AWS FTPS

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Transfer Family: AWS SFTP

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Trusted Advisor: Checklist

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Trusted Advisor: Checklist Cost

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Trusted Advisor: Checklist Fault Tolerant

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Trusted Advisor: Checklist Performance

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Trusted Advisor: Checklist Security

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VPC: Customer Gateway

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VPC: Elastic Network Adapter

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VPC: Elastic Network Interface

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VPC: Endpoints

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VPC: Flow Logs

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VPC: Internet Gateway

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VPC: NAT Gateway

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VPC: Network Access Control List

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VPC: Peering Connection

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VPC: Router

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VPC: Traffic Mirroring

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VPC: VPN Connection

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VPC: VPN Gateway

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WAF: Filtering Rule

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5 Architecture

API Gateway
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Alexa For Business
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