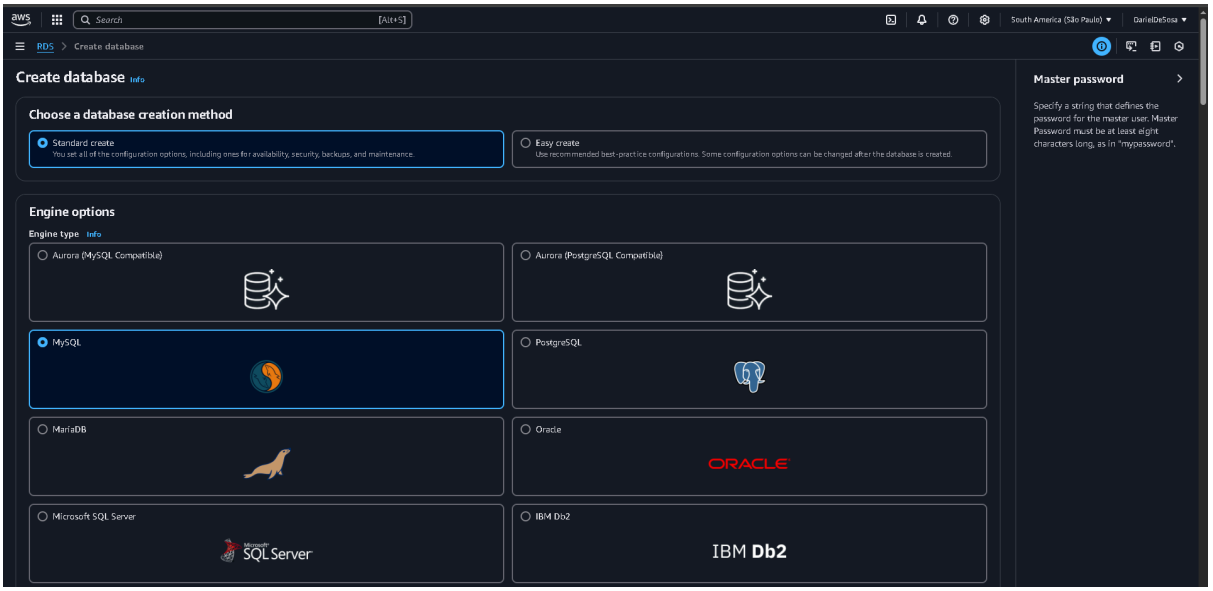
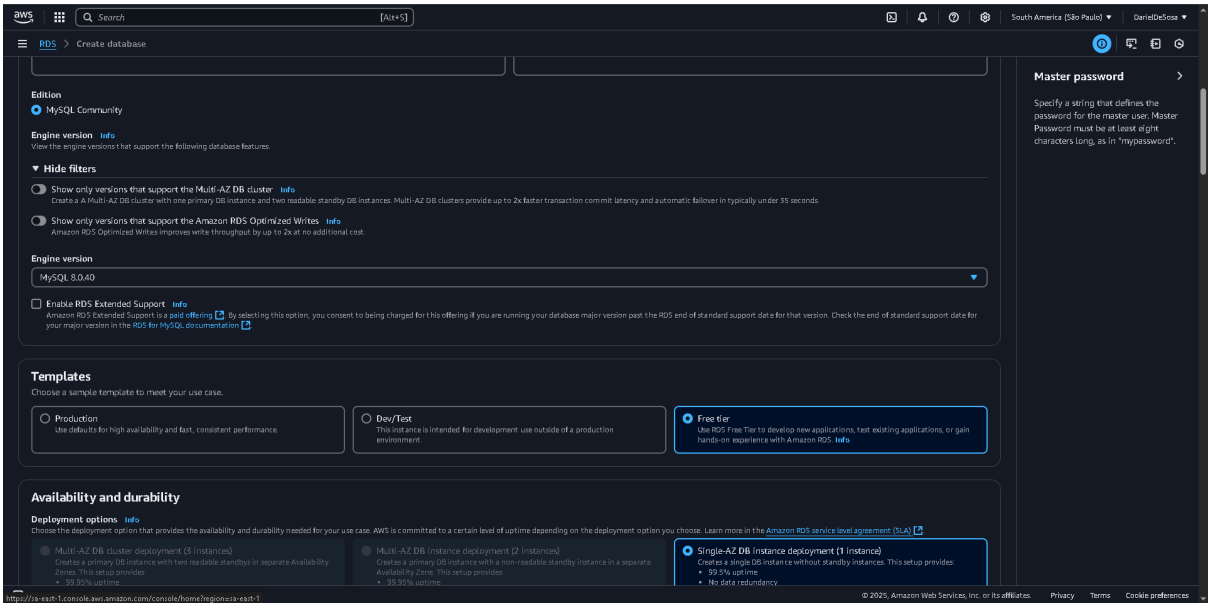
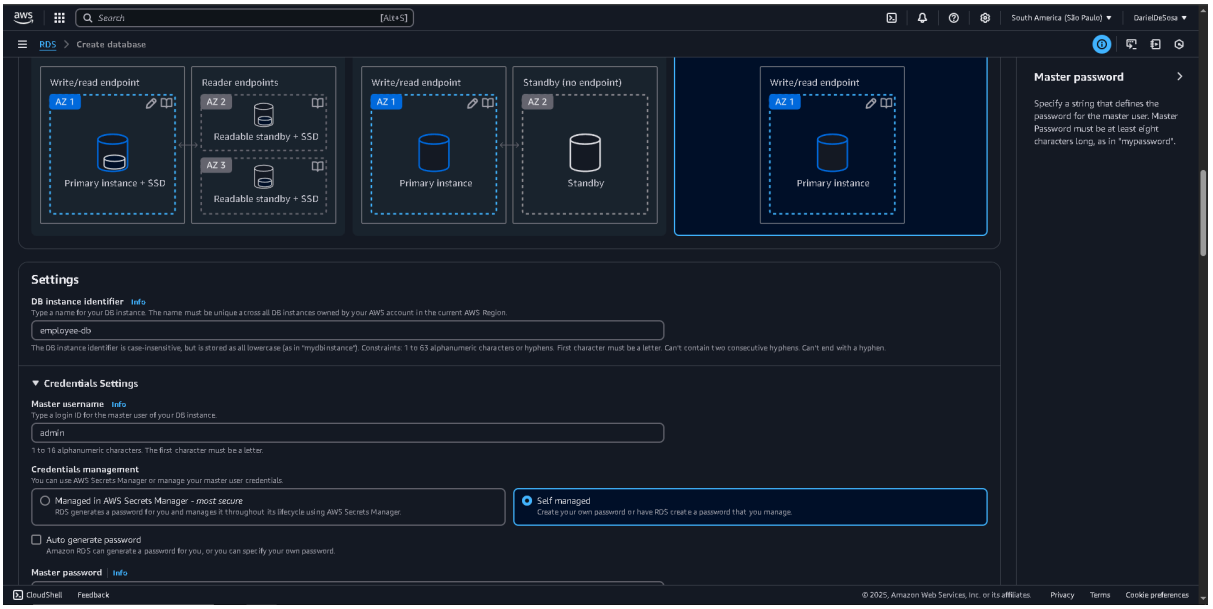
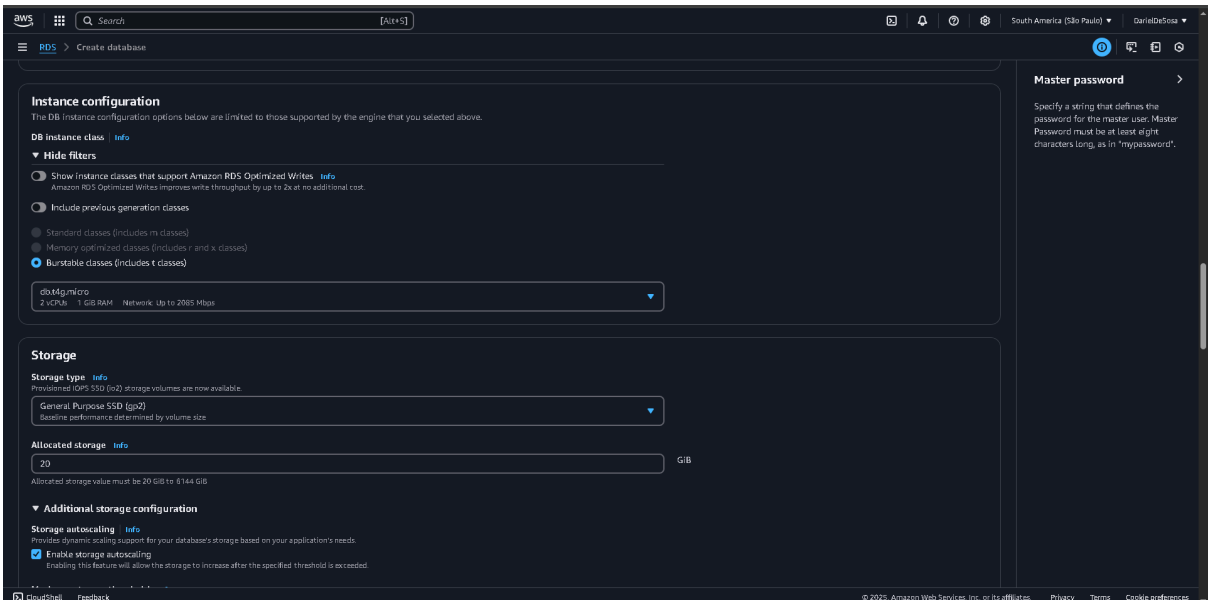
AWS RDS Cofiguration





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RDS > Create database
Instance configuration
The DB instance configuration options below are limited to those supported by the engine that you selected above.
DB instance class | Info
Hide filters
Show instance classes that support Amazon RDS Optimized Writes Info
Amazon RDS Optimized Writes improves write throughput by up to 2x at no additional cost.
Include previous generation classes
Standard classes (includes m classes)
Memory optimized classes (includes r and x classes)
Burstable classes (includes t classes)
db.t4g.micro
2 vCPUs 1 GiB RAM Network: Up to 2085 Mbps
Storage
Storage type Info
Provisioned IOPS SSD (io2) storage volumes are now available.
General Purpose SSD (gp2)
Baseline performance determined by volume size
Allocated storage Info
20
GiB
Allocated storage value must be 20 GiB to 6144 GiB
Additional storage configuration
Storage autoscaling | Info
Provides dynamic scaling support for your database's storage based on your application's needs.
Enable storage autoscaling
Enabling this feature will allow the storage to increase after the specified threshold is exceeded.
Master password
Specify a string that defines the password for the master user. Master Password must be at least eight characters long, as in "mypassword".
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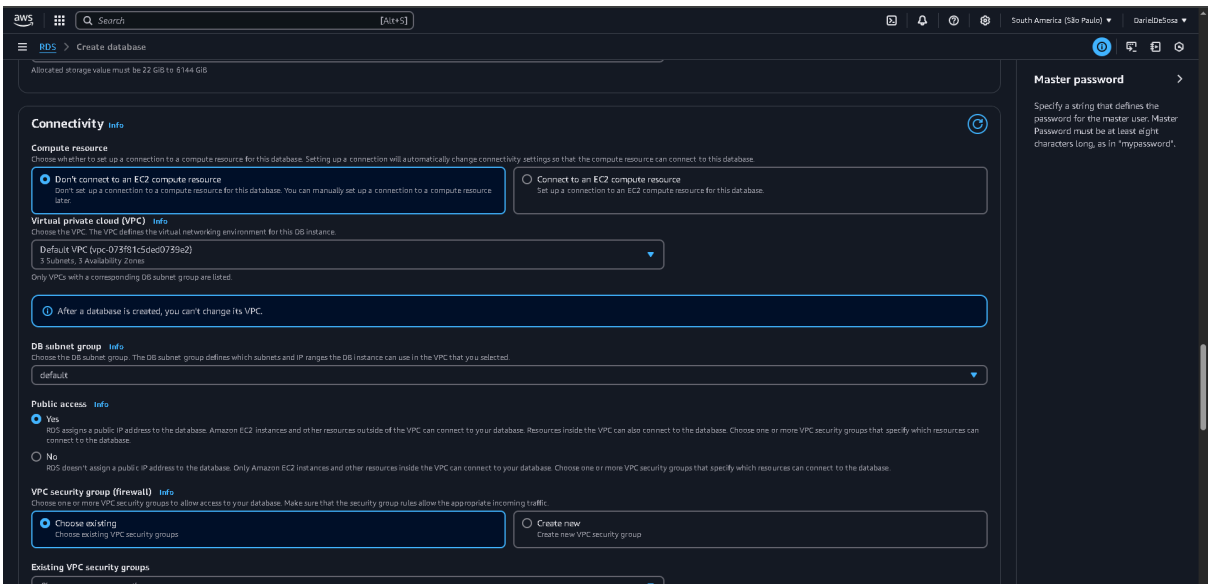
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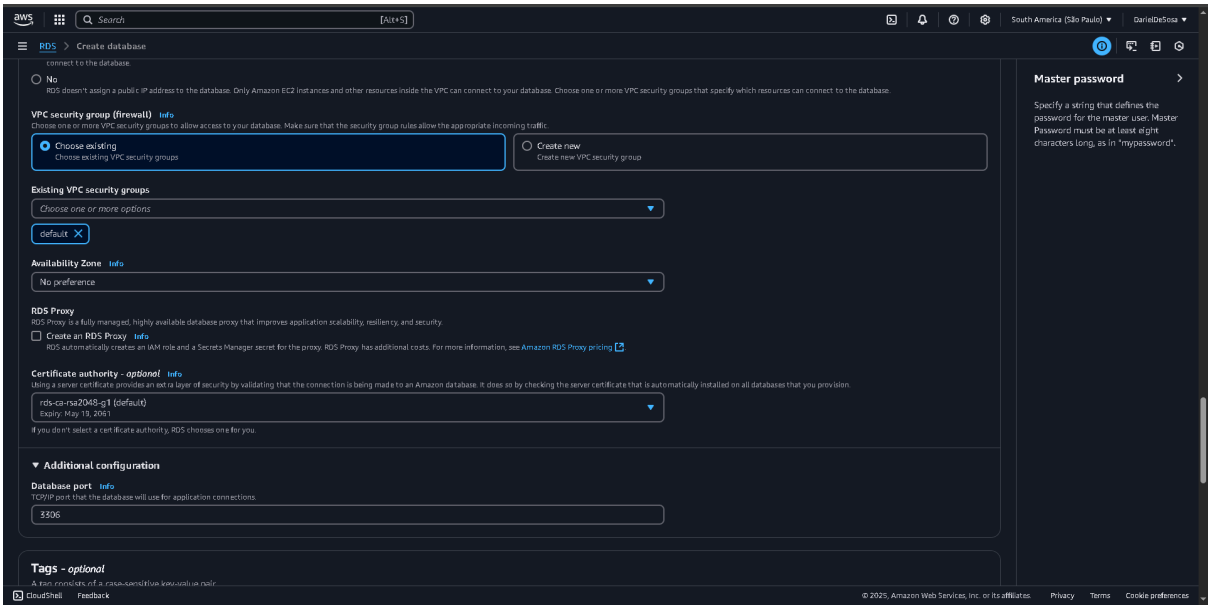
RDS > Create database
Allocated storage value must be 22 GiB to 6144 GiB
Connectivity Info
Compute resource
Choose whether to set up a connection to a compute resource for this database. Setting up a connection will automatically change connectivity settings so that the compute resource can connect to this database.
Don't connect to an EC2 compute resource
Don't set up a connection to a compute resource for this database. You can manually set up a connection to a compute resource later.
Connect to an EC2 compute resource
Set up a connection to an EC2 compute resource for this database.
Virtual private cloud (VPC) Info
Choose the VPC. The VPC defines the virtual networking environment for this DB instance.
Default VPC (vpc-073f81c5ded0739e2)
3 Subnets, 3 Availability Zones
Only VPCs with a corresponding DB subnet group are listed.
After a database is created, you can't change its VPC.
DB subnet group Info
Choose the DB subnet group. The DB subnet group defines which subnets and IP ranges the DB instance can use in the VPC that you selected.
default
Public access Info
Yes
RDS assigns a public IP address to the database. Amazon EC2 instances and other resources outside of the VPC can connect to your database. Resources inside the VPC can also connect to the database. Choose one or more VPC security groups that specify which resources can connect to the database.
No
RDS doesn't assign a public IP address to the database. Only Amazon EC2 instances and other resources inside the VPC can connect to your database. Choose one or more VPC security groups that specify which resources can connect to the database.
VPC security group (firewall) Info
Choose one or more VPC security groups to allow access to your database. Make sure that the security group rules allow the appropriate incoming traffic.
Choose existing
Choose existing VPC security groups
Create new
Create new VPC security group
Existing VPC security groups
Master password
Specify a string that defines the password for the master user. Master Password must be at least eight characters long, as in "mypassword".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RDS > Create database
connect to the database.
No
RDS doesn't assign a public IP address to the database. Only Amazon EC2 instances and other resources inside the VPC can connect to your database. Choose one or more VPC security groups that specify which resources can connect to the database.
VPC security group (firewall) Info
Choose one or more VPC security groups to allow access to your database. Make sure that the security group rules allow the appropriate incoming traffic.
Choose existing
Choose existing VPC security groups
Create new
Create new VPC security group
Existing VPC security groups
Choose one or more options
default
Availability Zone Info
No preference
RDS Proxy
RDS Proxy is a fully managed, highly available database proxy that improves application scalability, resiliency, and security.
Create an RDS Proxy Info
RDS automatically creates an IAM role and a Secrets Manager secret for the proxy. RDS Proxy has additional costs. For more information, see Amazon RDS Proxy pricing
Certificate authority - optional Info
Using a server certificate provides an extra layer of security by validating that the connection is being made to an Amazon database. It does so by checking the server certificate that is automatically installed on all databases that you provision.
rds-ca-rsa2048-g1 (default)
Expiry: May 19, 2061
If you don't select a certificate authority, RDS chooses one for you.
Additional configuration
Database port Info
TCP/IP port that the database will use for application connections.
3306
Tags - optional
Master password
Specify a string that defines the password for the master user. Master Password must be at least eight characters long, as in "mypassword".
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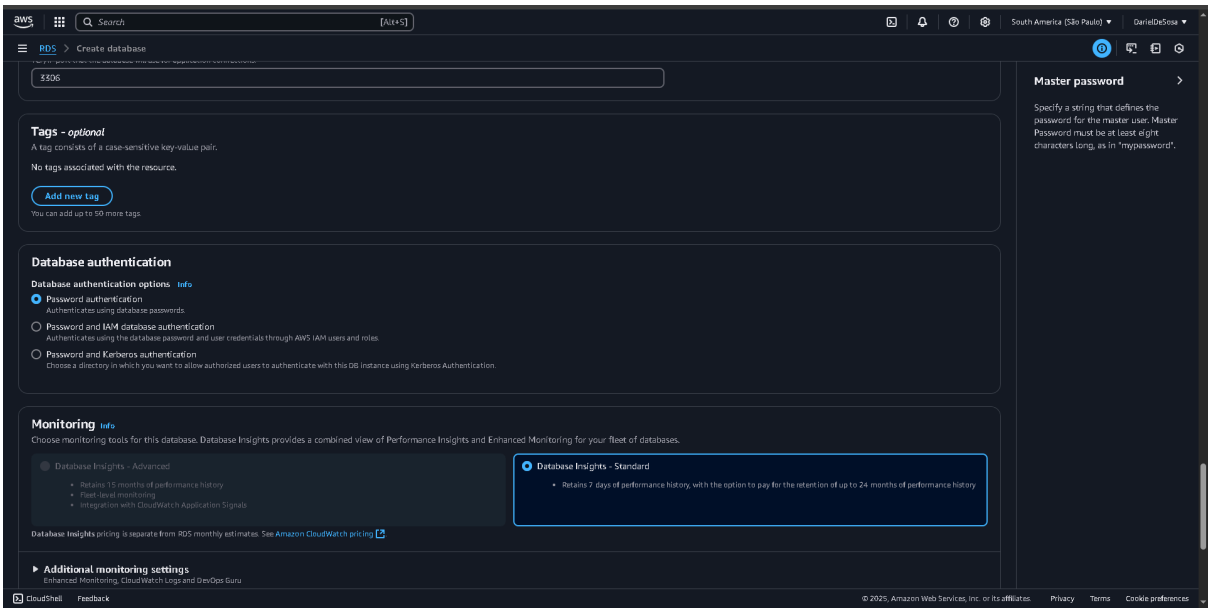
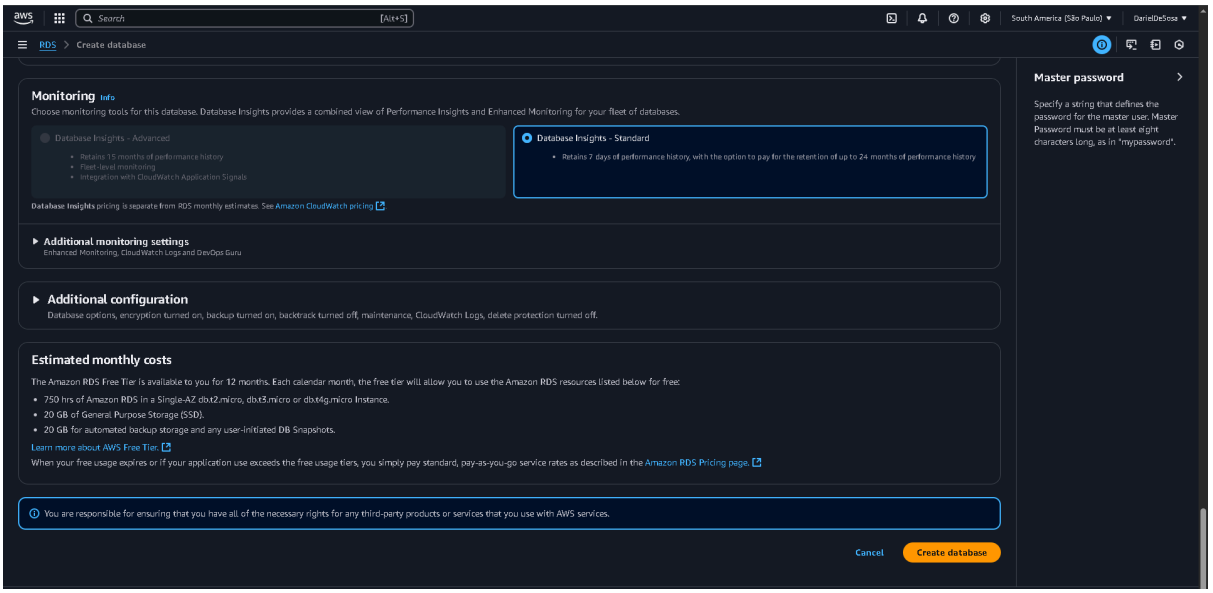
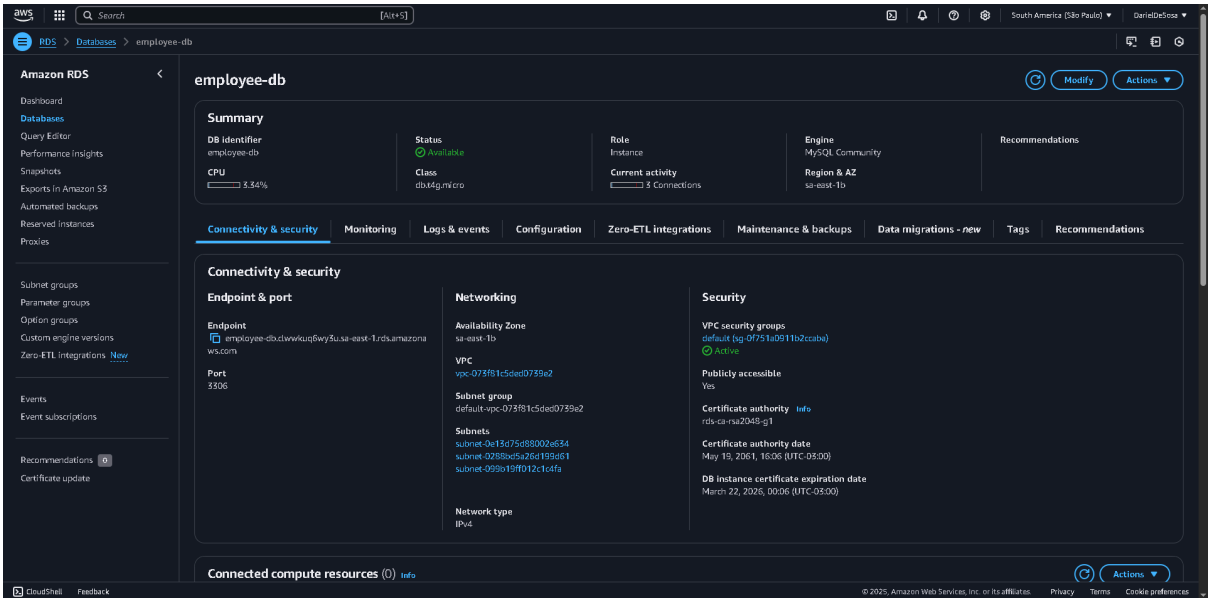
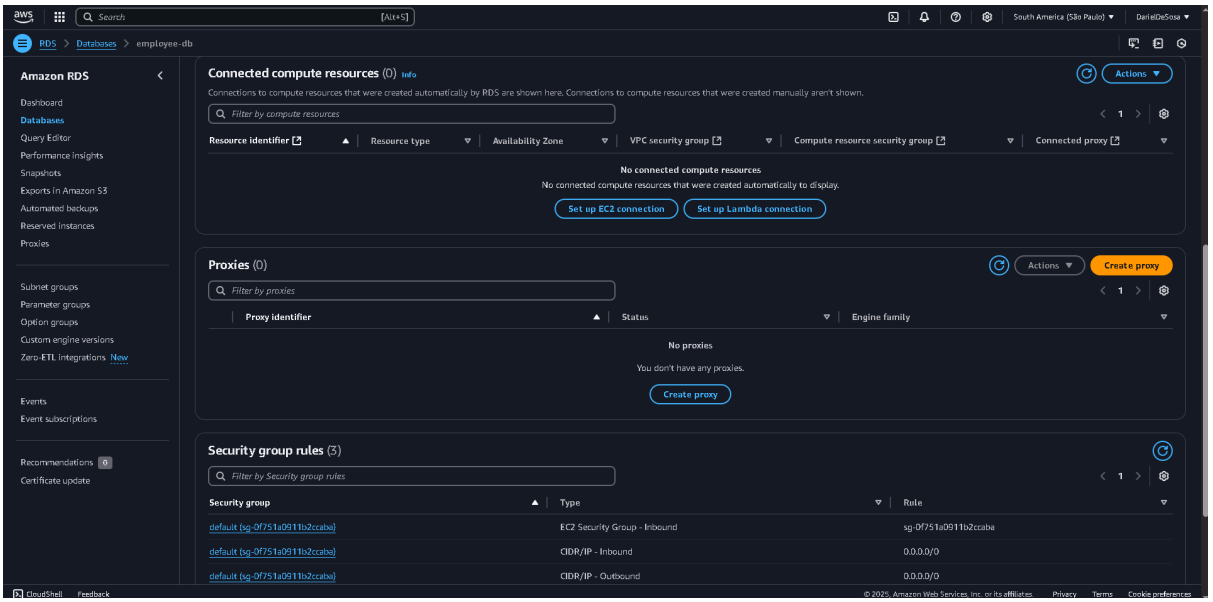




Configuración final luego de crear el el servidor

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RDS
Databases
employee-db
Amazon RDS
Dashboard
Databases
Query Editor
Performance Insights
Snapshots
Exports in Amazon S3
Automated backups
Reserved instances
Proxies
Subnet groups
Parameter groups
Option groups
Custom engine versions
Zero-ETL integrations New
Events
Event subscriptions
Recommendations 0
Certificate update
Connected compute resources (0) Info
Connections to compute resources that were created automatically by RDS are shown here. Connections to compute resources that were created manually aren't shown.
Actions
Filter by compute resources
Resource identifier
Resource type
Availability Zone
VPC security group
Compute resource security group
Connected proxy
No connected compute resources
No connected compute resources that were created automatically to display.
Set up EC2 connection
Set up Lambda connection
Proxies (0)
Actions
Create proxy
Filter by proxies
Proxy identifier
Status
Engine family
No proxies
You don't have any proxies.
Create proxy
Security group rules (3)
Filter by Security group rules
Security group
Type
Rule
default (sg-0f751a0911b2ccaba)
EC2 Security Group - Inbound
sg-0f751a0911b2ccaba
default (sg-0f751a0911b2ccaba)
CIDR/IP - Inbound
0.0.0.0/0
default (sg-0f751a0911b2ccaba)
CIDR/IP - Outbound
0.0.0.0/0
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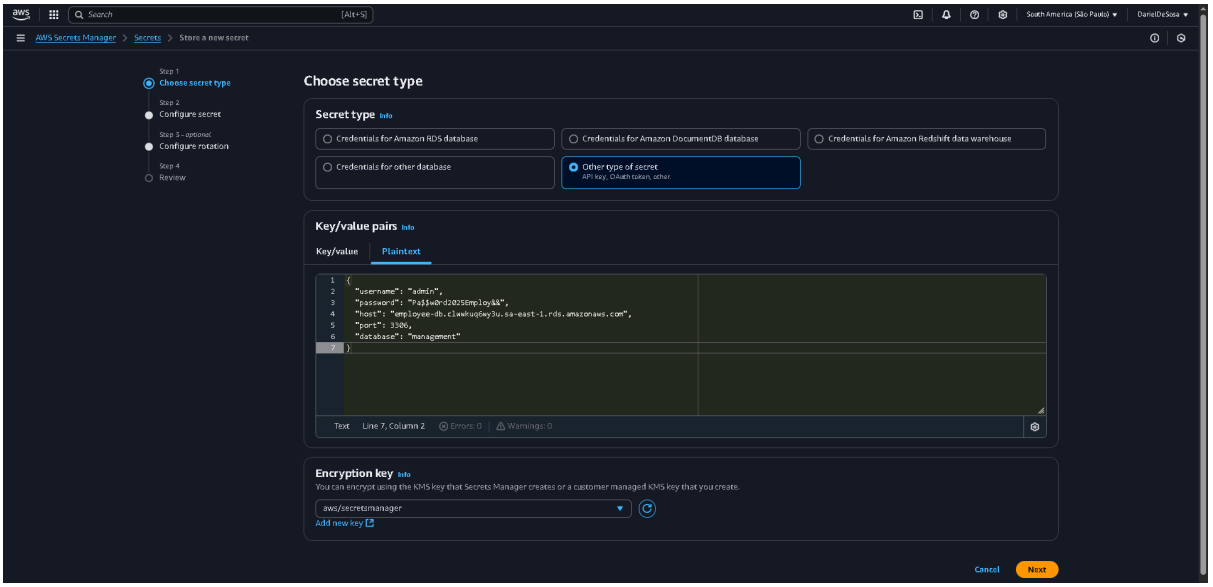
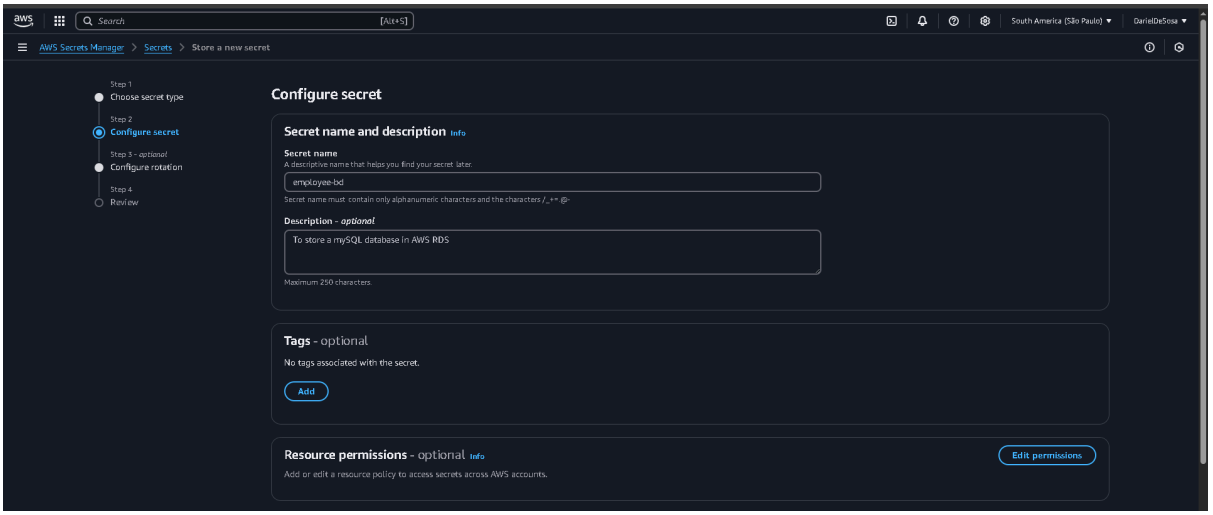
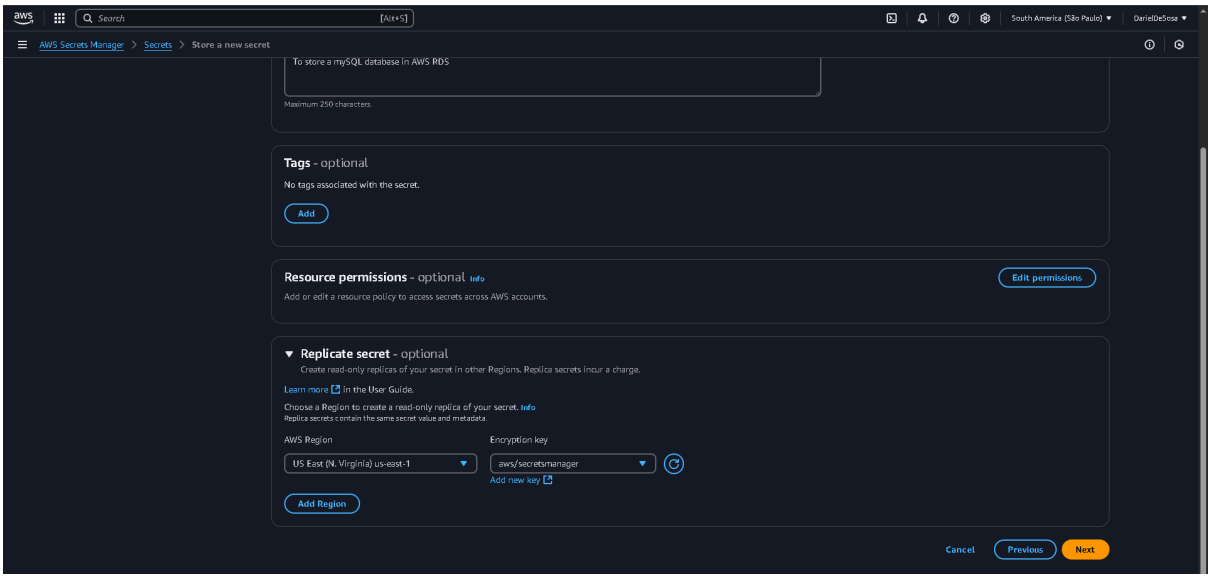
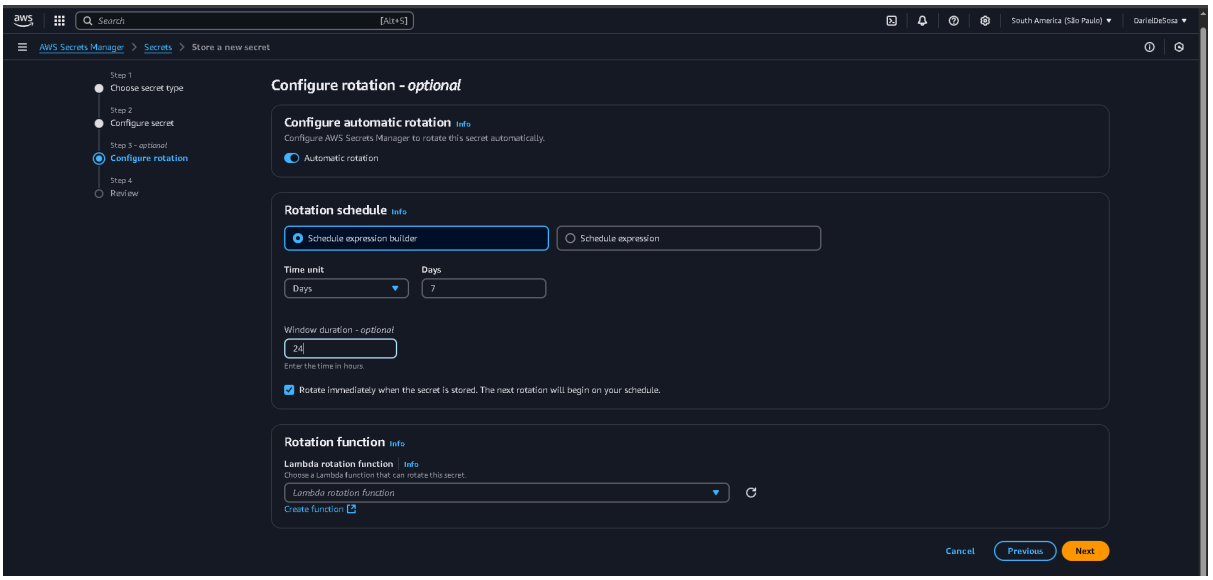
AWS Secrets Manager.





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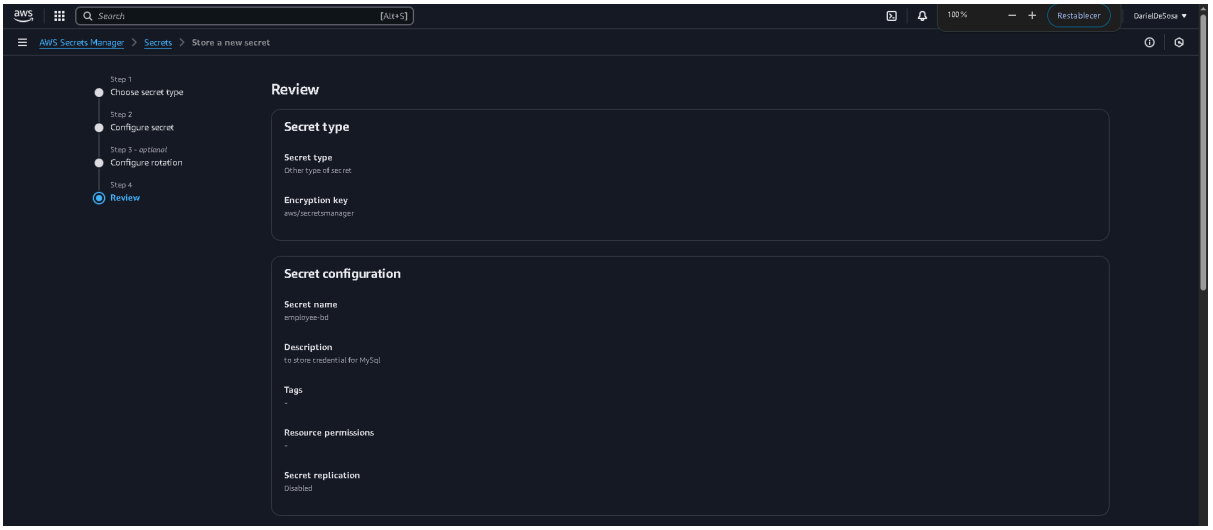
AWS Secrets Manager
Secrets
Store a new secret
Step 1
Choose secret type
Step 2
Configure secret
Step 3 - optional
Configure rotation
Step 4
Review
Configure rotation - optional
Configure automatic rotation Info
Configure AWS Secrets Manager to rotate this secret automatically.
Automatic rotation
Rotation schedule Info
Schedule expression builder
Schedule expression
Time unit
Days
Days
7
Window duration - optional
24
Enter the time in hours.
Rotate immediately when the secret is stored. The next rotation will begin on your schedule.
Rotation function Info
Lambda rotation function Info
Choose a Lambda function that can rotate this secret.
Lambda rotation function
Create function
Cancel
Previous
Next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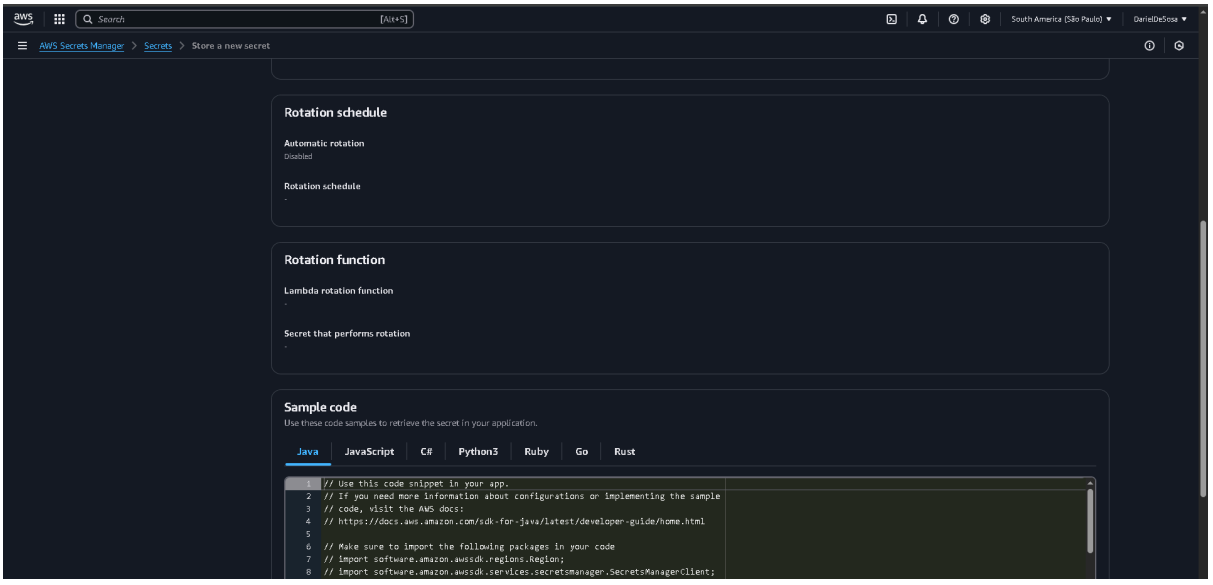
AWS Secrets Manager
Secrets
Store a new secret
Step 1
Choose secret type
Step 2
Configure secret
Step 3 - optional
Configure rotation
Step 4
Review
Review
Secret type
Secret type
Other type of secret
Encryption key
aws/secretsmanager
Secret configuration
Secret name
employee-bd
Description
to store credential for MySql
Tags
-
Resource permissions
-
Secret replication
Disabled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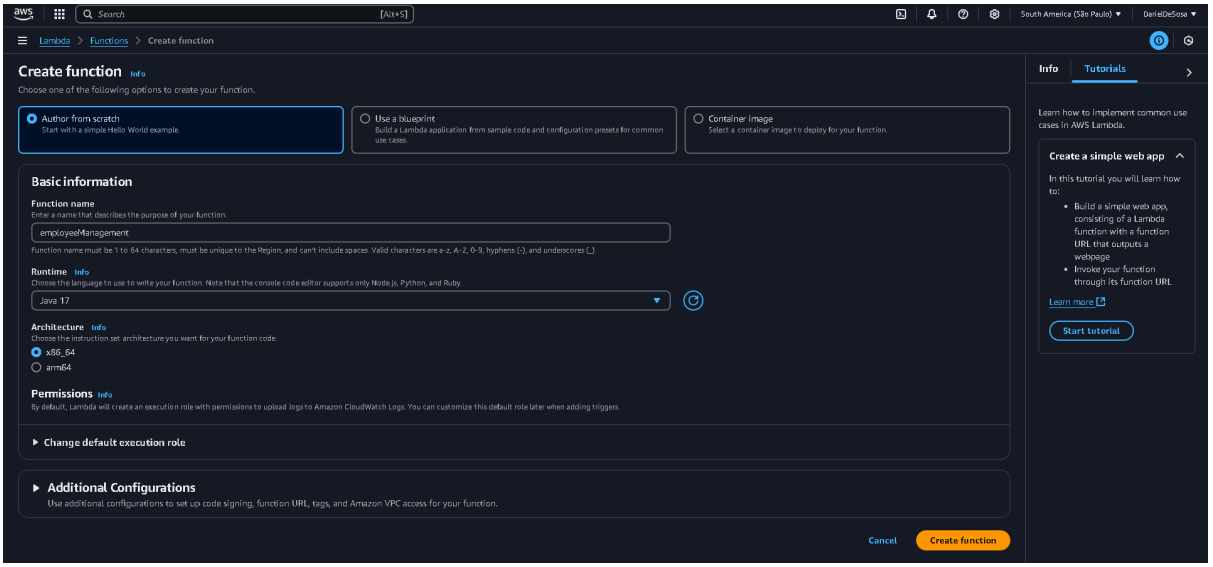
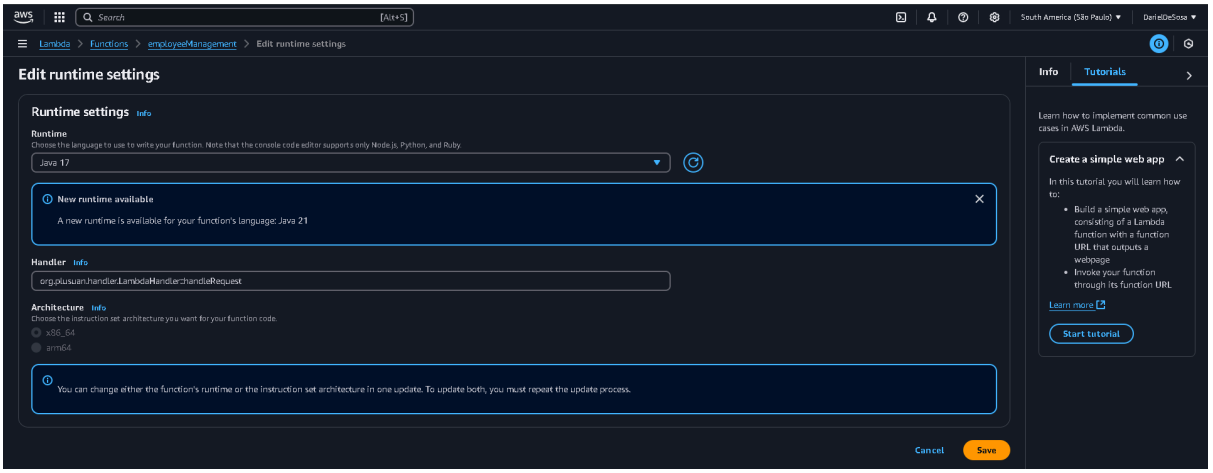
AWS Secrets Manager
Secrets
Store a new secret
Rotation schedule
Automatic rotation
Disabled
Rotation schedule
-
Rotation function
Lambda rotation function
-
Secret that performs rotation
-
Sample code
Use these code samples to retrieve the secret in your application.
Java
JavaScript
C#
Python3
Ruby
Go
Rust
// Use this code snippet in your app.
// If you need more information about configurations or implementing the sample
// code, visit the AWS docs:
// https://docs.aws.amazon.com/sdk-for-java/latest/developer-guide/home.html
// Make sure to import the following packages in your code
// import software.amazon.awssdk.regions.Region;
// import software.amazon.awssdk.services.secretsmanager.SecretsManagerClient;

AWS Lambda


Lambda > Functions > Create function
Create function
Choose one of the following options to create your function.
Author from scratch
Start with a simple Hello World example.
Use a blueprint
Build a Lambda application from sample code and configuration presets for common use cases.
Container image
Select a container image to deploy for your function.
Basic information
Function name
Enter a name that describes the purpose of your function.
employeeManagement
Function name must be 1 to 64 characters, must be unique to the Region, and can't include spaces. Valid characters are a-z, A-Z, 0-9, hyphens (-), and underscores (_).
Runtime Info
Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.
Java 17
Architecture Info
Choose the instruction set architecture you want for your function code.
x86_64
arm64
Permissions Info
By default, Lambda will create an execution role with permissions to upload logs to Amazon CloudWatch Logs. You can customize this default role later when adding triggers.
Change default execution role
Additional Configurations
Use additional configurations to set up code signing, function URL, tags, and Amazon VPC access for your function.
Cancel
Create function
Info
Tutorials
Learn how to implement common use cases in AWS Lambda.
Create a simple web app
In this tutorial you will learn how to:
Build a simple web app, consisting of a Lambda function with a function URL that outputs a webpage
Invoke your function through its function URL
Learn more
Start tutorial


Lambda > Functions > employeeManagement > Edit runtime settings
Edit runtime settings
Runtime settings Info
Runtime
Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.
Java 17
New runtime available
A new runtime is available for your function's language: Java 21
Handler Info
org.pluxuan.handler.LambdaHandler::handleRequest
Architecture Info
Choose the instruction set architecture you want for your function code.
x86_64
arm64
You can change either the function's runtime or the instruction set architecture in one update. To update both, you must repeat the update process.
Cancel
Save
Info
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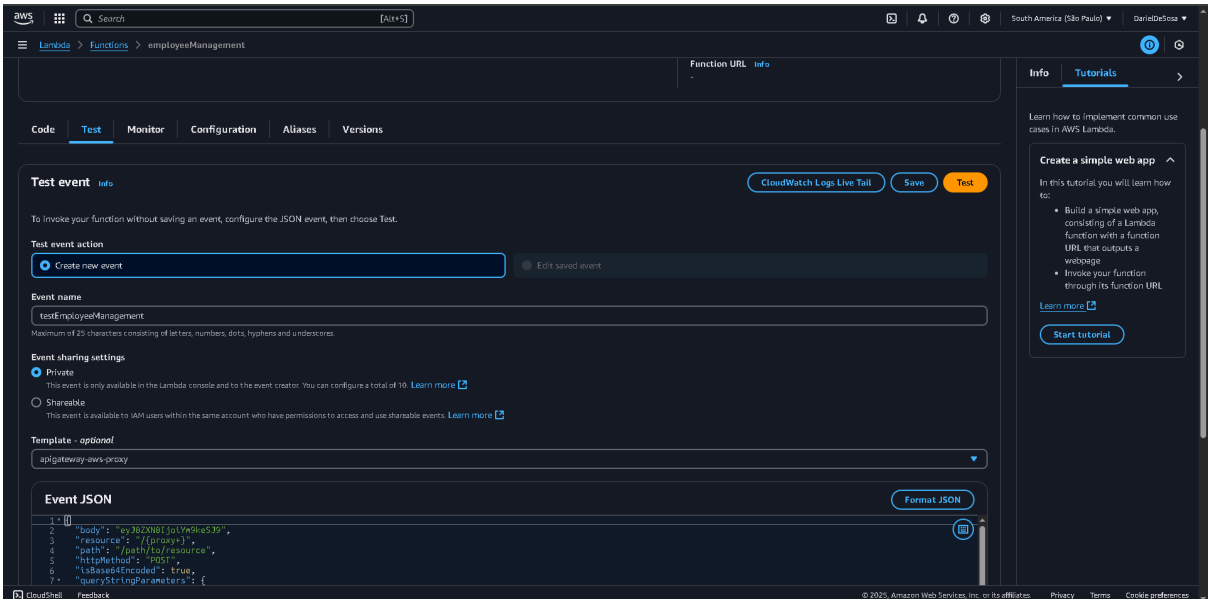
Lambda > Functions > employeeManagement
Function URL Info
Code
Test
Monitor
Configuration
Aliases
Versions
Test event Info
CloudWatch Logs Live Tail
Save
Test
To invoke your function without saving an event, configure the JSON event, then choose Test.
Test event action
Create new event
Edit saved event
Event name
testEmployeeManagement
Maximum of 25 characters consisting of letters, numbers, dots, hyphens and underscores.
Event sharing settings
Private
This event is only available in the Lambda console and to the event creator. You can configure a total of 10. Learn more
Shareable
This event is available to IAM users within the same account who have permissions to access and use shareable events. Learn more
Template - optional
apigateway-aws-proxy
Event JSON
Format JSON
{
"body": "eyJ0ZXN0IjoiVmdkeSJ9",
"resource": "/{proxy+}",
"path": "/path/to/resource",
"httpMethod": "POST",
"isBase64Encoded": true,
"queryStringParameters": {
Info
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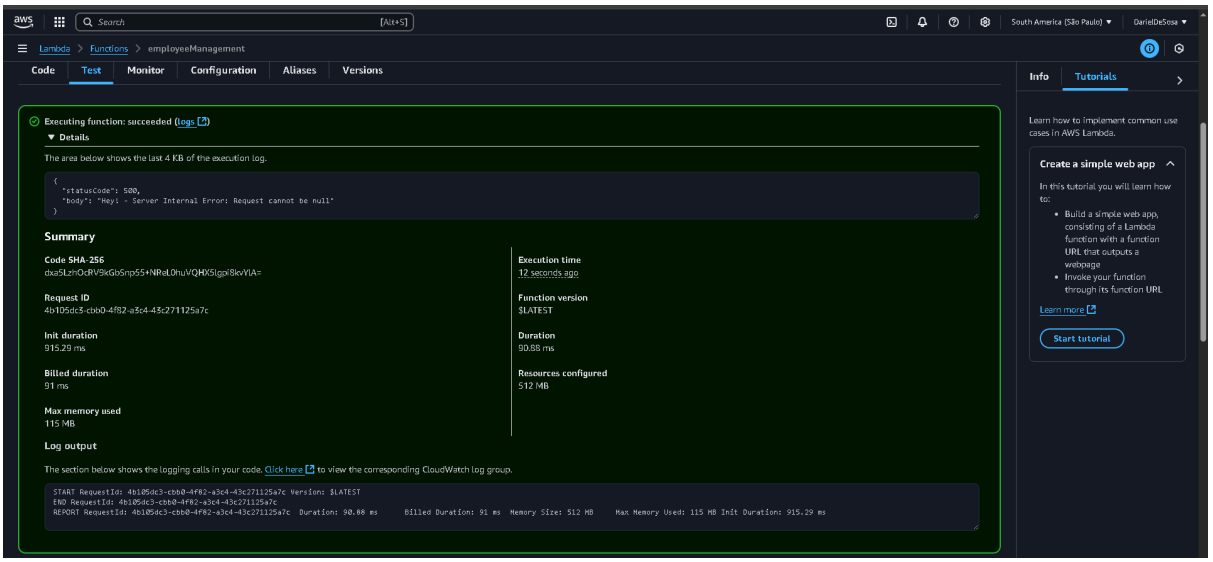
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Lambda
Functions
employeeManagement
Code
Test
Monitor
Configuration
Aliases
Versions
Executing function: succeeded (logs)
Details
The area below shows the last 4 KB of the execution log.
{
"statusCode": 500,
"body": "Hey! - Server Internal Error: Request cannot be null"
}
Summary
Code SHA-256
dxa5LznOcRV9kGb5np55+NReL0huVQHX5lgpx8kvYlA=
Request ID
4b105dc3-cbb0-4f82-a3c4-43c271125a7c
Init duration
915.29 ms
Billed duration
91 ms
Max memory used
115 MB
Execution time
12 seconds ago
Function version
$LATEST
Duration
90.88 ms
Resources configured
512 MB
Log output
The section below shows the logging calls in your code. Click here to view the corresponding CloudWatch log group.
START RequestId: 4b105dc3-cbb0-4f82-a3c4-43c271125a7c Version: $LATEST
END RequestId: 4b105dc3-cbb0-4f82-a3c4-43c271125a7c
REPORT RequestId: 4b105dc3-cbb0-4f82-a3c4-43c271125a7c Duration: 90.88 ms Billed Duration: 91 ms Memory Size: 512 MB Max Memory Used: 115 MB Init Duration: 915.29 ms
Info
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