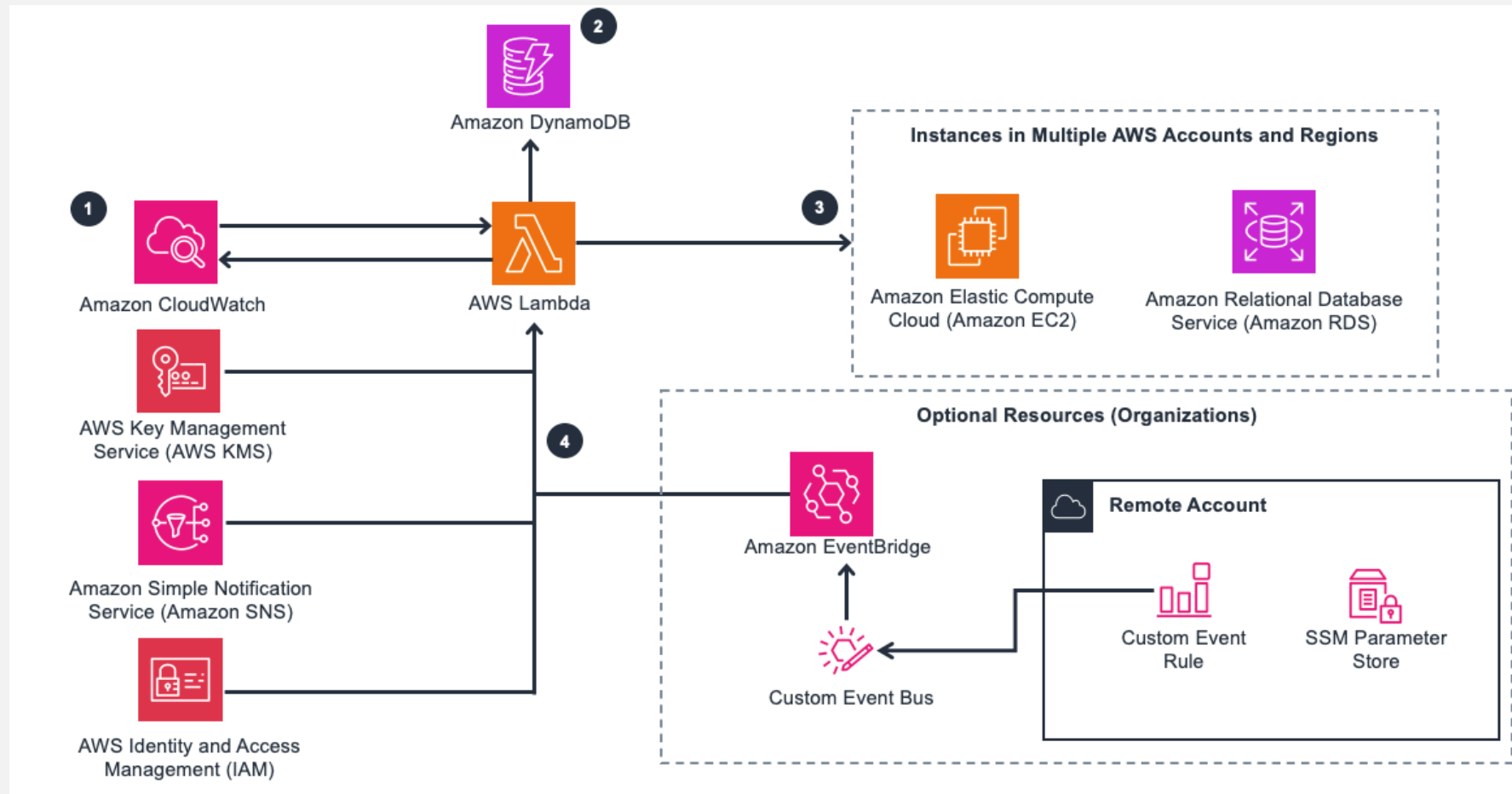


INSTANCE SCHEDULER ON AWS:



Create a CloudFormation stack

Use your own template or a sample template to quickly get started.

Create stack

Specify template

A template is a JSON or YAML file that describes your stack's resources and properties.

Template source

Selecting a template generates an Amazon S3 URL where it will be stored.

☒ Amazon S3 URL

☐ Upload a template file

Amazon S3 URL

<https://s3.amazonaws.com/solutions-reference/aws-instance-scheduler/latest/instance-scheduler.template>

Amazon S3 template URL

S3 URL: <https://s3.amazonaws.com/solutions-reference/aws-instance-scheduler/latest/instance-scheduler.template>

View in Designer

Cancel

Next

1. Log in to the AWS Management Console. The link below will get you into the CloudFormation console
<https://console.aws.amazon.com/cloudformation/home>.

2. Choose a region for the deployment of this stack in the upper panel (Frankfurt: eu-central-1).

3. From the main panel, click on the “Create stack” button.

4. In the “Specify template” section, select “Amazon S3 URL” and specify the URL below: <https://s3.amazonaws.com/solutions-reference/aws-instance-scheduler/latest/instance-scheduler.template>

This S3 URL leads to the latest official instance scheduler template from AWS.

And click “Next”.

5. Set Stack name, for example: "My-scheduler".

The following resource(s) require capabilities: [AWS::IAM::Role]

This template contains Identity and Access Management (IAM) resources that might provide entities access to make changes to your AWS account. Check that you want to create each of these resources and that they have the minimum required permissions. [Learn more](#)

☒ I acknowledge that AWS CloudFormation might create IAM resources.

Cancel Previous Create change set **Create stack**

6. Fill-in or select following details in the “Parameters” section.

a. Instance Scheduler tag name: Leave the default value as “Schedule”.

b. Service(s) to schedule: Select “EC2”.

c. Scheduling enabled: Leave the default value “Yes”.

d. Enable CloudWatch Metrics: Select “Yes”.

e. Send anonymous usage data: Select “No”.

There are more settings, but in this case, you can leave them as default:

Region(s): You can specify more regions where Instance Scheduler will work (such as EU-west-1).

Default time zone: Select the most relevant time zone.

Frequency: Define frequency (1 to 60 minutes) to run the AWS Instance Scheduler.

Memory size: Define memory for the AWS Lambda function. This is applicable for those with a large number of EC2 and RDS instances.

7. Click “Next”.

8. On the Options page leave the default settings and click “Next”.

9. Review your settings on the last page and select “I acknowledge that AWS CloudFormation might create IAM resources” and click on “Create stack”.

My-scheduler

Stack info

Events

Resources

Outputs


Parameters

Overview

Stack ID

[arn:aws:cloudformation:eu-central-1:913877976938:stack/My-scheduler/0520f910-ea12-11eb-9878-06640ee0538e](#) 

Status

 CREATE_COMPLETE

10. Wait for the CloudFormation stack creation to indicate “CREATE_COMPLETE” – it can take a couple of minutes.

aws Services Search [Alt+S]

DynamoDB X

[Dashboard](#)

Tables

Update settings

Explore items

PartiQL editor

Backups

Exports to S3

Imports from S3

Integrations [New](#)

Reserved capacity

Settings

▼ DAX

Clusters

Subnet groups

Parameter groups

Events

[DynamoDB](#) > Dashboard

Dashboard

Alarms (0) [Info](#) [Manage in CloudWatch](#)

Find alarms

< 1 > ⚙

Alarm name	Status
No custom alarms	

DAX clusters (0) [Info](#) [View details](#)

Find clusters

< 1 > ⚙

Cluster name	Status
No clusters	
No clusters to display	
Create cluster	

1. Open DynamoDB Console
2. Click on Tables
3. Click on instance-scheduler-ConfigTable

[DynamoDB](#) > Tables

Tables (3) [Info](#)

Find tables by table name

Any tag key ▼

<input type="checkbox"/>	Name ▲	Status	Partition key
<input type="checkbox"/>	instance-scheduler-ConfigTable-T78JVR9MGE0	✓ Active	type (S)
<input type="checkbox"/>	instance-scheduler-MaintenanceWindowTable-1NY1U22S4KAPZ	✓ Active	Name (S)
<input type="checkbox"/>	instance-scheduler-StateTable-CQ0PYZUIG78D	✓ Active	service (S)

Tables (3) ×

Any tag key ▼

Any tag value ▼

< **1** > ⚙️

☒ instance-scheduler-ConfigTable-T78JIVR9MGE0

☐ instance-scheduler-MaintenanceWindowTable-1NY1U22S4KAPZ

☐ instance-scheduler-StateTable-CQ0PYZUIG78D

instance-scheduler-ConfigTable-T78JIVR9MGE0

↻

Actions ▼

Explore table items

<

Overview

Indexes

Monitor

Global tables

Backups

Exports and streams

General information [Info](#)

Partition key type (String)	Sort key name (String)	Capacity mode	Table status
Alarms	Point-in-time recovery (PITR) Info	On-demand	✓ Active
✓ No active alarms	✓ On		

► Additional info

I. Click on Explore Table Items

Items returned (10)

↺

1

↻

⚙️

🔍

Actions ▾

Create item

<input type="checkbox"/>	type (String) ▾	name (String) ▾	aws_partition ▾	begin_time ▾	create_rds_snapshot ▾	default_timezone
<input type="checkbox"/>	config	scheduler	aws	false		UTC
<input type="checkbox"/>	schedule	running				
<input type="checkbox"/>	schedule	scale-up-down				
<input type="checkbox"/>	schedule	seattle-office-hours				
<input type="checkbox"/>	schedule	stopped				
<input type="checkbox"/>	schedule	uk-office-hours				
<input type="checkbox"/>	period	first-monday-in-quarter				
<input type="checkbox"/>	period	office-hours		03:35		
<input type="checkbox"/>	period	weekends				
<input type="checkbox"/>	period	working-days				

Edit item

You can add, remove, or edit the attributes of an item. You can nest attributes inside other attributes up to 32 levels deep. [Learn more](#)

Form

JSON view

Attributes

Add new attribute ▾

Attribute name	Value	Type	
type - Partition key	<input type="text" value="period"/>	String	
name - Sort key	<input type="text" value="office-hours"/>	String	
<input type="text" value="begin_time"/>	<input type="text" value="03:35"/>	String	Remove
<input type="text" value="description"/>	<input type="text" value="Office hours"/>	String	Remove
<input type="text" value="end_time"/>	<input type="text" value="15:25"/>	String	Remove
<input type="checkbox"/> weekdays	<div>Insert a field</div>	String set	Remove
<div>0</div>	<div>mon-fri</div> <div>Insert a field</div>	String	Remove

Cancel

Save

Save and close

- Click on period
- Select the begin time and end time for start and stop of server.
- Select Weekdays i.e Monday-Friday
- Click on Save and Close.

Items returned (10)

Actions ▼

Create item

< 1 >







⚙️ ✖️

<input type="checkbox"/>	type (String) ▼	name (String) ▼	aws_partition ▼	begintime ▼	create_rds_snapshot ▼	default_timezone
<input type="checkbox"/>	config	scheduler	aws		false	UTC
<input type="checkbox"/>	schedule	running				
<input type="checkbox"/>	schedule	scale-up-down				
<input type="checkbox"/>	schedule	seattle-office-hours				
<input type="checkbox"/>	schedule	stopped				
<input type="checkbox"/>	schedule	uk-office-hours				
<input type="checkbox"/>	period	first-monday-in-quarter				
<input type="checkbox"/>	period	office-hours		03:35		
<input type="checkbox"/>	period	weekends				
<input type="checkbox"/>	period	working-days				

1. Copy the name of schedule i.e uk-office-hours
2. Go to EC2 Instances and select on instance
3. Select to Tags

Manage tags [Info](#)

A tag is a custom label that you assign to an AWS resource. You can use tags to help organize and identify your instances.

Key	Value - optional	
<input type="text" value="Name"/> 	<input type="text" value="NavitusSchoolDev2.0"/> 	<button>Remove</button>
<input type="text" value="InstanceScheduler-LastAction"/> 	<input type="text" value="Started By instance-scheduler 2C"/> 	<button>Remove</button>
<input type="text" value="Schedule"/> 	<input type="text" value="uk-office-hours"/> 	<button>Remove</button>
<div><button>Add new tag</button></div> <p>You can add up to 47 more tags.</p>		

Cancel

Save

3. Choose the “Tags” view, and then click on “Add/Edit Tags”.

4. Choose “Create Tag”.

5. For Key, enter Schedule, for Value, enter uk-office-hours and click on “Save”.