

Ingram Micro Cloud

AWS SMB Cloud Builder

Disaster Recovery accelerator

Configuration guide

Thank you for choosing Ingram Micro Cloud
as your AWS Provider.

If you have any questions, please send us an
e-mail on aws@ingrammicro.com



Overview

It's a service configured on AWS with Cloud Endure technology that synchronizes a local physical or virtual server (VMWare or Hyper-v) to another virtual server inside the AWS, every 1-5 minutes. In a disaster situation where this main server becomes unavailable, this replica of server inside AWS is activated immediately, taking place of the unavailable server and allowing users to keep working

Before you begin you will need (required):



An active AWS account with admin credentials
(create yours at www.ingrammicrocloud.com)

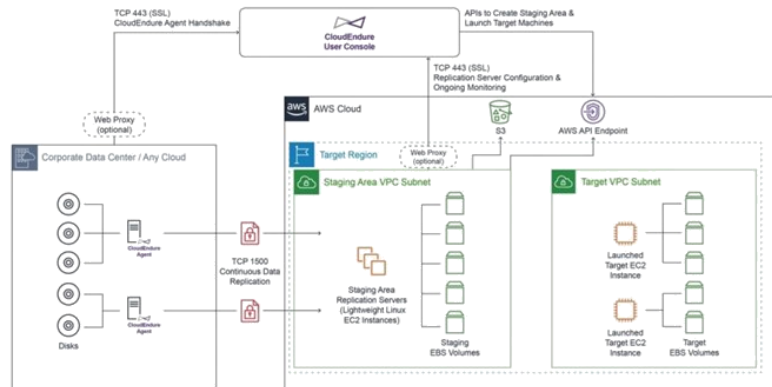
Enroll your AWS account
(request at <https://bit.ly/3bUnUce>)

Disaster Recovery template file
(download at <https://bit.ly/3r8h8WZ>)

Solution architecture

Technologies applied:

- EBS
- EC2
- CloudEndure



Cost considerations

This solution includes AWS infrastructure and software licensing costs, which can vary depending on the chosen configuration, region and resource consumption (data volume and transactions). The default configuration offered by the automation template considers the following costs:

Region	Service	Monthly	Currency	Configuration summary
EU (Ireland)	Amazon Elastic Block Store (EBS)	9.00	USD	Number of volumes (1), Average duration each instance runs (730 hours per month), Storage amount per volume (100 GB), Provisioning IOPS per volume (gp3) (3000), General Purpose SSD (gp3) - Throughput (125 MBps)
EU (Ireland)	Amazon EC2	20.16	USD	Operating system (Linux), Quantity (1), Pricing strategy (On-Demand Instances), Storage amount (32 GB), Instance type (t3.small)
EU (Ireland)	Software	20.83	USD	Cloud Endure rate for protected machine

More details on the AWS Public Calculator: <https://bit.ly/3niXB5c>

Configuration instructions

AWS Architecture

01

Access your AWS console and **select the region** you want to deploy the solution.

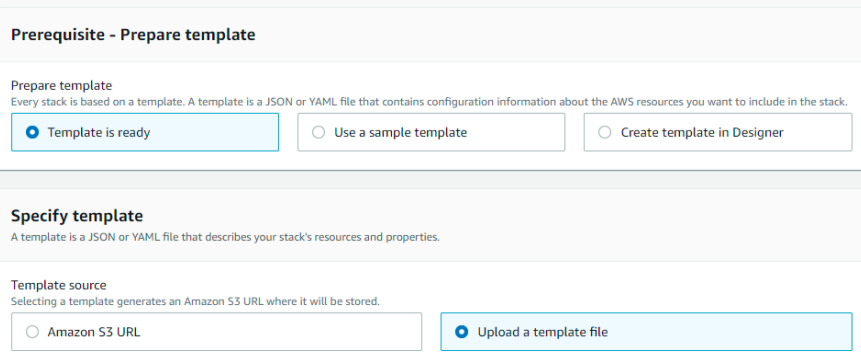


Enter **Cloud Formation** in the navigation bar and select it, click on **Create Stack** and select the option **With new resources (standard)**.

Create Stack ▼

Fill out the form according to the following example:

02

A screenshot of the AWS CloudFormation 'Prerequisite - Prepare template' form. The form is divided into two sections: 'Prepare template' and 'Specify template'. In the 'Prepare template' section, the 'Template is ready' radio button is selected. In the 'Specify template' section, the 'Upload a template file' radio button is selected.

Prerequisite - Prepare template

Prepare template
Every stack is based on a template. A template is a JSON or YAML file that contains configuration information about the AWS resources you want to include in the stack.

Template is ready Use a sample template Create template in Designer

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

03

Click on **Choose File** and select the **Cloud Backup template file (IM1010DisasterRecovery.template)** you downloaded previously.

Click on **Next**.

Give a name to your deployment (example: disasterrecovery). **If necessary**, adjust the parameters.

04

A screenshot of the AWS CloudFormation 'Stack name' input field. The text 'disasterrecovery' is entered into the field. Below the field, a note states: 'Stack name can include letters (A-Z and a-z), numbers (0-9), and dashes (-)'.

Stack name

disasterrecovery

Stack name can include letters (A-Z and a-z), numbers (0-9), and dashes (-).

Click on **Next** and then on **Next** again.

At the bottom of the next screen, mark the checkbox “I acknowledge that AWS CloudFormation might create IAM resources with custom names.” and click on **Create stack**

05

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

This template contains Identity and Access Management (IAM) resources. Check that you want to create each of these resources and that they have the minimum required permissions. In addition, they have custom names. Check that the custom names are unique within your AWS account. [Learn more](#)

I acknowledge that AWS CloudFormation might create IAM resources with custom names.

Cancel Previous Create change set **Create stack**

06

Click on **Stack info** and wait until status become “Create Complete” :

Status **CREATE_IN_PROGRESS** → Status **CREATE_COMPLETE**

07

Enter **IAM** in the navigation bar, select the option **Users** on the left-hand side then click on a User called **CloudEndure**.

CloudEndure None

Select the tab **Security credentials** and then click on **Create access key**

08

Take note of **Access ID** and **Access Key**.

Access key ID	Secret access key
AKIA5LN4AVCVCBAGR57J	***** Show

(This is a sensitive information with your personal key to access resources on AWS, keep the downloaded file safe).

Disaster Recovery console configuration

09

Subscribe to **Cloud Endure** by accessing <https://amzn.to/34ArgNc> then clicking **Subscribe** and then **Set Up Your Account**

10

Fill out with your e-mail address, set up a console password and click **Continue**. You might be required to confirm your e-mail. Follow the instructions.

11

To begin the configuration, click `START` and then `CONTINUE` .

12

Insert the information you got on **step 8** , click `SAVE` and then `SAVE REPLICATION SETTINGS` .

13

Click on `SHOW ME HOW` to learn how to install the Recovery Agents.

14

Watch those videos to learn how to configure and test the protection:
<https://bit.ly/3gr0tK2>