

Ingram Micro Cloud

AWS SMB Cloud Builder

Cloud Backup 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 is a simple one-stop backup solution for both workstation and server backup that combines image and file backups for data safety, deduplication, compression, encryption, fast recovery time and long-term archival, with all simplicity and efficiency of Infscope UrBackup.

Before you begin you will need (required):

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

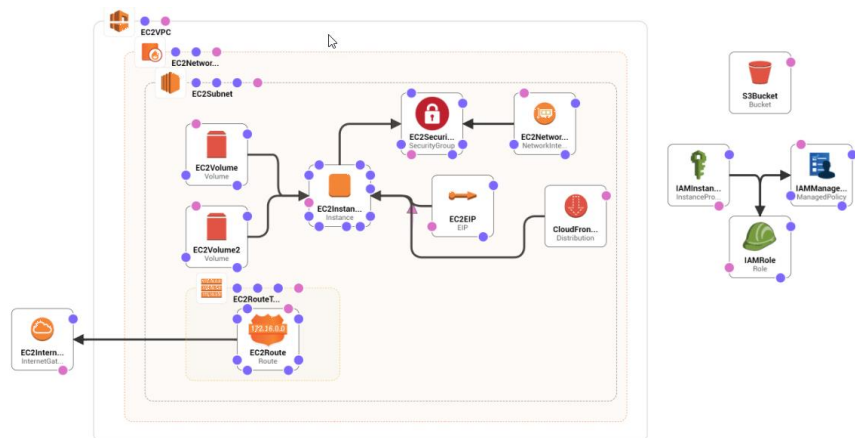
Enroll your AWS account
(request at <https://bit.ly/3bUnUce>)

Cloud Backup template file
(download at <https://bit.ly/3zxGpOa>)

Solution architecture

Technologies applied:

- S3
- EC2
- CloudFront
- UrBackup.



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 EC2	51.90	USD	Operating system (Linux), Quantity (1), Pricing strategy (On-Demand Instances), Storage amount (140 GB), Instance type (t2.medium)
EU (Ireland)	S3 Standard	2.31	USD	S3 Standard storage (100 GB per month)
EU (Ireland)	Data Transfer	9.00	USD	DT Inbound: Not selected (0 TB per month), DT Outbound: Internet (100 GB per month)
EU (Ireland)	Software	14.14	USD	Infscope UrBackup Appliance licence for t2.medium

More details on the AWS Public Calculator: <https://bit.ly/31yquCy>

Configuration instructions

AWS Architecture

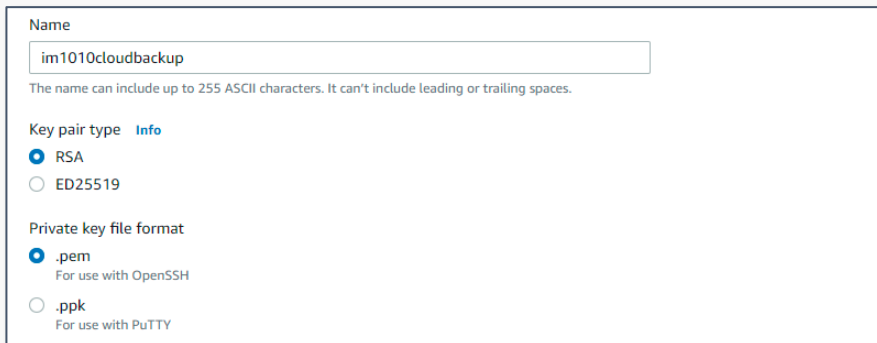
01

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



Enter **EC2** in the navigation bar, click on EC2, then navigate to Key Pairs on the left-hand side. Click on **Create key pair**.

Fill out the form according to the following example:

A screenshot of the AWS Key Pair creation form. The 'Name' field contains 'im1010cloudbackup'. The 'Key pair type' section has 'RSA' selected. The 'Private key file format' section has '.pem' selected. Below the form, there is a 'Create key pair' button.

Name
im1010cloudbackup
The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type [Info](#)
 RSA
 ED25519

Private key file format
 .pem
For use with OpenSSH
 .ppk
For use with PuTTY

02

Click on **Create key pair** to create the Key Pair.

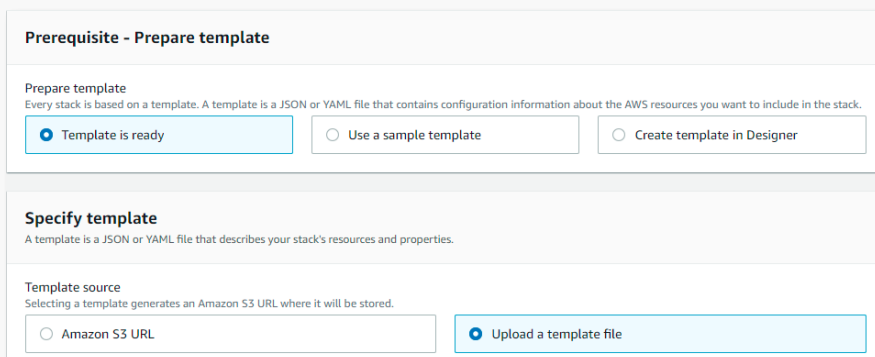
(This will be your personal key to access resources on AWS, keep the downloaded file safe. If you choose a different name, remember to inform that on step 6)

03

Subscribe to **Infscap UrBackup** by accessing <https://amzn.to/3wlzu80> and clicking **Accept Terms**. (Do NOT click on "Continue the configuration")

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

Fill out the form according to the following example:

A screenshot of the AWS CloudFormation 'Prerequisite - Prepare template' form. The 'Prepare template' section has 'Template is ready' selected. The 'Specify template' section has 'Upload a template file' 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

04

05

Click on **Choose File**  and select the **Cloud Backup template file (IM1010CloudBackup.template)** you downloaded previously.

Click on **Next**.

06

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

Stack name cloudbackup <small>Stack name can include letters (A-Z and a-z), numbers (0-9), and dashes (-).</small>
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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**.

07

i 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


08

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

Status ⏸ CREATE_IN_PROGRESS → Status ✔ CREATE_COMPLETE

Once completed, click on **Outputs** and take note of the **Bucket Name**, **CloudFrontURL** and **Instance ID** values.

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Stack info	Events	Resources	Outputs	Parameters	Template	Change sets
Outputs (3) <div style="float: right;"></div> <input type="text" value="Search outputs"/>						
Key	Value	Description	Export name			
BucketName	im1010cloudbackup-s3bucket-rtlwad79r1cl	Take note of your Bucket Name. Also available by accessing this link: https://amzn.to/3u8xe2b	-			
CloudFrontURL	d2xspzbv3p7ya1.cloudfront.net	Take note of your Console URL. Also available by accessing this link: https://amzn.to/34dkE7z	-			
InstanceID	i-0e134f882a3407fe6	Take note of your Instance ID. Also available by accessing this link: https://amzn.to/2RB7mPf	-			

Backup console configuration

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Access the **CloudFrontURL** you got on **step 9**, fill out the **Instance ID** you also got on **step 9** and click **Next** twice.

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Set **S3 bucket name** according to the name you got on **step 9**. Leave other fields as it and click **Next**.

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Define your **Admin Password** and **Repeat password** below. Also define your customer's name on **UrBackup Appliance name** field. Adjust the **Time Zone**, if necessary, mark the box **"I have read and agree to the Terms and Conditions and Privacy Policy"** and click **Finish**.

Example of backup configuration

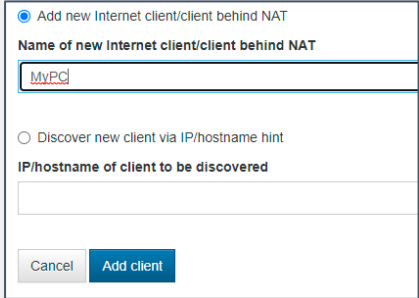
13

After login in with your password, in the **Status** page, click on **+ Add new client**.

Select **"Add new Internet client/client behind NAT"** and provide a name for your desktop/laptop/server.

Click on **Add client**.

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Click on the download option best suited to your operating system and **execute the installer** keeping the default options.

You'll be required to specify the **files and folders** you want to protect.

With the default configurations, the backup will be done automatically every day.

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You will find more information on how to configure your solution on this link: https://www.urbackup.org/administration_manual.html