

# Installation Guide (GCP)



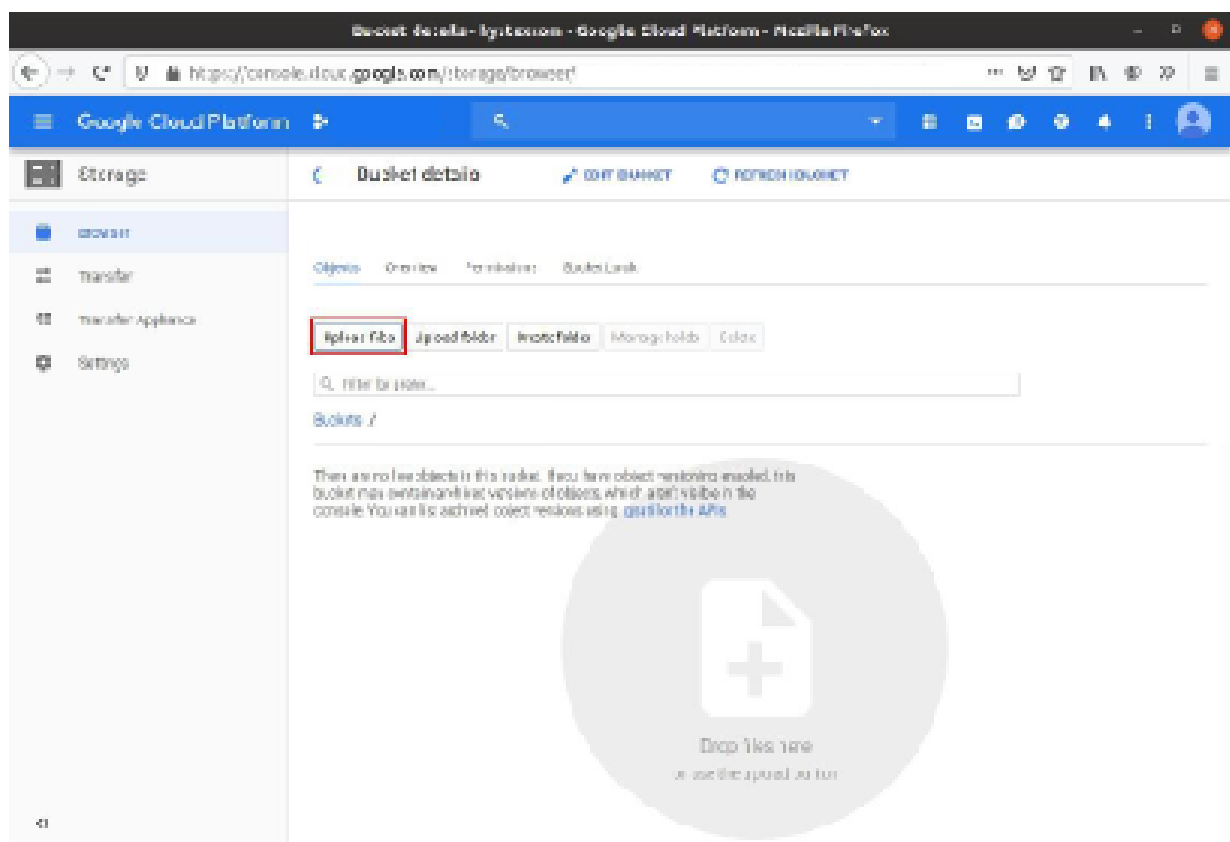
## Overview

We are a cloud migration and Disaster Recovery company focusing on consistent replication of IT workloads and providing real-time migration and Best-In-Class Disaster Recovery.

## Installation steps

### 1. Upload Acura and Cloud Agent images to the cloud.

Download Acura and Cloud Agent archives provided by the company. Go to “Storage → Browser” section in GCP UI and open one of your buckets. Create one if there are no buckets.

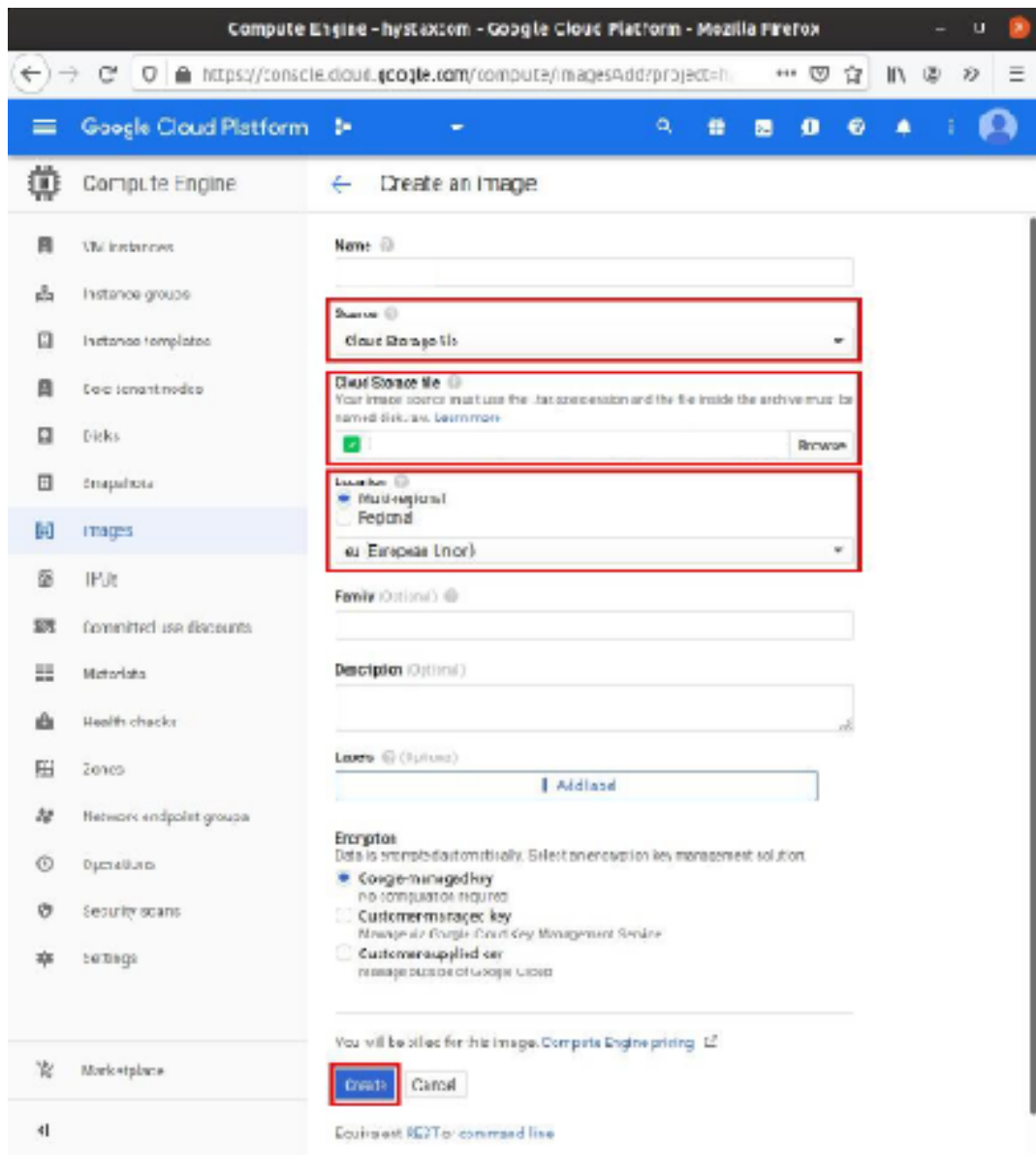


Upload the archives to the selected bucket. Wait till the upload is finished.

### 2. Create an image for Acura.

Go to “Compute Engine → Images” section in GCP UI and press “Create image”.

- Set “Cloud storage file” as a source.
- Choose the Acura archive as the cloud storage image file.
- Choose the region you will use for Acura instance deployment.
- Image name is not important, you can put something like “...-acura” there.



Once the image is created, it is safe to remove the Acura archive from the cloud storage bucket.



### 3. Create an image for Cloud Agent.

Go to “Compute Engine → Images” section in GCP UI and press “Create image”.

- Set “Cloud storage file” as a source.
- Choose the Cloud Agent archive as the cloud storage image file.
- Choose the same region you used for Acura image.
- Image name must be set to “...-cat”.

Compute Engine · hystaxcom · Google Cloud Platform · Mozilla Firefox

Google Cloud Platform

Compute Engine

← Create an image

Name

Source

Cloud Storage file

Cloud Storage file

Your image source must set the tags criteria and the file holds the active must to remote disk, or. [Learn more](#)

Browse

Location

Multi-regional

Regional

eu (Europe Union)

Family (Optional)

Description (Optional)

Labels (Optional)

+ Add label

Geopolicy

Default is example and not null. Enter an image key management solution.

google-managed-key

4x configuration required

Customer-managed key

Storage via Google Cloud Key Management Service

Customer-supplied key

Storage via Google Cloud Key Management Service

You will be billed for this image. [compute engine pricing](#)

Create Cancel

Equivalent `gcloud` command line

Once the image is created, it is safe to remove the Cloud Agent archive from the cloud storage bucket.

#### 4. Create firewall rules for Acura's instance.

Go to “VPC network → Firewall rules” section in GCP UI. Create a new rule.

- Choose the network you will use for Acura deployment.
- Set “acura” in “Target tags”.
- Allow the following ports:
  - **tcp:** 22, 80, 443, 4443, 30080, 30081, 30082
  - **udp:** 12201

Google Cloud Platform

VPC network

Create a firewall rule

Firewall rules control incoming or outgoing traffic to an instance. By default, incoming traffic from outside your network is blocked. [Learn more](#)

Name

acura-allports

Description

Logs

Logging or firewall logs can generate a large number of logs and can increase costs in production. [Learn more](#)

☐ Off

☒ On

Network

default

Priority

Priority cannot be blank. Check priority of other firewall rules.

1000

Direction of traffic

☒ Ingress

☐ Egress

Action on match

☒ Allow

☐ Deny

Targets

Selected target tags

Target tags

acura

Source IP ranges

0.0.0.0/0

Destinations and ports

☐ Allow all

☒ Specified protocols and ports

TCP: 22, 80, 443, 4443, 30080, 30081, 30082

UDP: 12201

☐ Other ports only

protocols, comma separated, e.g. ah, esp

Discard

Create Update

Equivalent to 1000 on command line

## 5. Create firewall rules for Cloud Agent.

During replications, Acura will automatically create Cloud Agent instances and talk to them over the private network. Make sure that there is a firewall rule that permits communication inside your network.

For the “default” network this rule is already created by Google:

<input type="checkbox"/>	default-allow-internal	Ingress	Apply to all	IP ranges: 10.128.0.0/9	tcp:0-65535 udp:0-65535 icmp	Allow	65534	default
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If you are going to deploy Acura to a non-default network, create a similar rule for this network:

- Set “Targets” into “All instances in the network”.
- Set “IP ranges” to the CIDR range of your network.
- Allow all ports.

## 6. Create Acura instance

Go to “Compute Engine → VM instances” section in GCP UI and press “Create Instance”.

- Choose “n1-standard-2” flavor or better.
- In “Boot disk” choose Acura image from “Custom Images” tab and set the disk size to be at least 100GB. SSD disk type is recommended.
- Allow full access to all cloud APIs for this instance. Acura will not be able to run without cloud API access.
- Open “Management, security, disks, networking, sole tenancy” spoiler and navigate to “Networking” tab:
  - Put “acura” to “Network tags”. This will enable the firewall rule created earlier.
  - Edit the default network interface: create a fixed external IP instead of ephemeral. This will prevent Acura from losing its public IP on shutdown/reboot.

Press “Create” to run Acura’s instance.

Note that you do not need to create Cloud Agent instances: Acura will run them automatically using the image created earlier.



## 7. Pass Acura Initial Configuration

Once the VM is started, wait approximately 20 minutes for it to boot up, then open its external IP in a web browser. Please accept the certificate warnings and then you will see the initial configuration page.

1. **Step 1:** Enter the organization name and new Admin User credentials into the Setup Wizard. This will be the user account for logging in to the Acura Control Panel and managing the system. If there are any errors, the system will notify you.

The screenshot shows the 'hx хайстекс' logo at the top. Below it is a progress bar with four steps: Step 1 (Admin user creation), Step 2 (SMTP configuration), Step 3 (Target cloud configuration), and Step 4 (Log in). Step 1 is currently active. Below the progress bar, the text reads: 'Please provide your organization name and Control Panel administrator user credentials to be created.' There are four input fields: 'Organization\*', 'Admin user login\*', 'Password\*', and 'Confirm password\*'. Each field has a question mark icon to its right. A 'Next' button is located at the bottom right of the form.

hx хайстекс

1 Step 1 Admin user creation

2 Step 2 SMTP configuration

3 Step 3 Target cloud configuration

4 Step 4 Log in

Please provide your organization name and Control Panel administrator user credentials to be created.

Organization\*  ?

Admin user login\*  ?

Password\*  ?

Confirm password\*  ?

Next



2. **Step 2:** Fill in your License key that was supposed to be shared with you in advance as well as the settings for accessing your mail server, which will be used to send notifications from Acura and generate periodic reports.

**Note:** SMTP server with TLS/SSL encryption is required to proceed with deployment.

If you prefer a public SMTP server associated with your email address (gmail, yahoo etc.), please find its settings online. In case of a private SMTP server, contact your network administrator for further details.

A sample notification will be sent to the specified “Test email” to verify the functionality when you click “Next”.

hx хайстекс

1

2

3

4

Step 1

Step 2

Step 3

Step 4

Admin user creation

SMTP configuration

Target cloud configuration

Log in

In order to be able to send email notifications, a mail server configuration must be introduced during initial configuration of Acura. Please enter valid SMTP settings as well as the provided license key.

License key\*

?

Encryption type\*

SSL

?

SMTP server\*

?

SMTP port\*

?

SMTP username\*

?

SMTP password\*

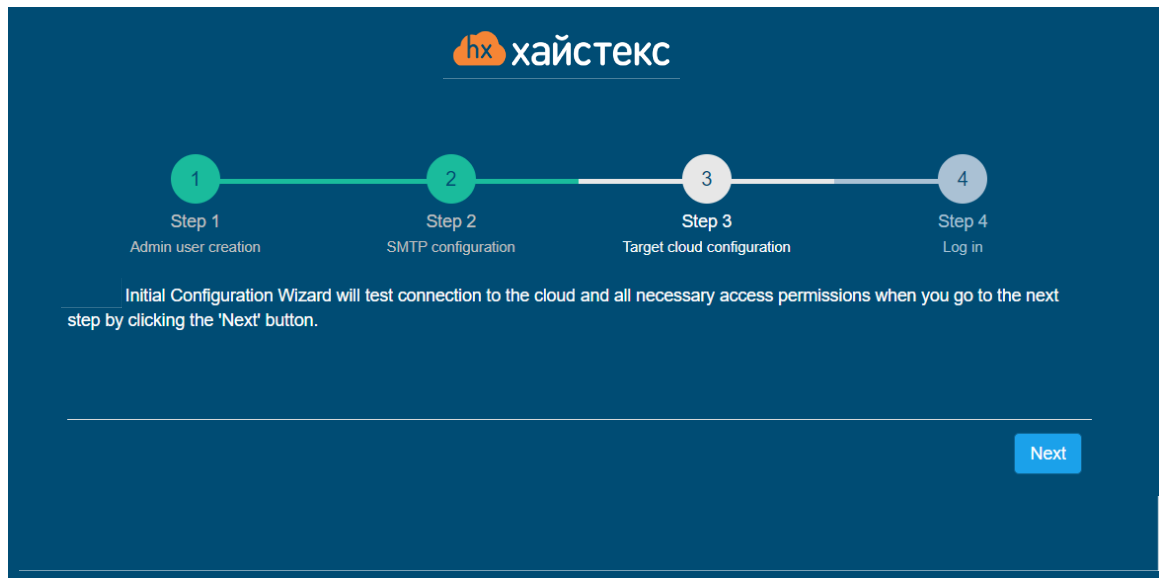
?

Test email\*

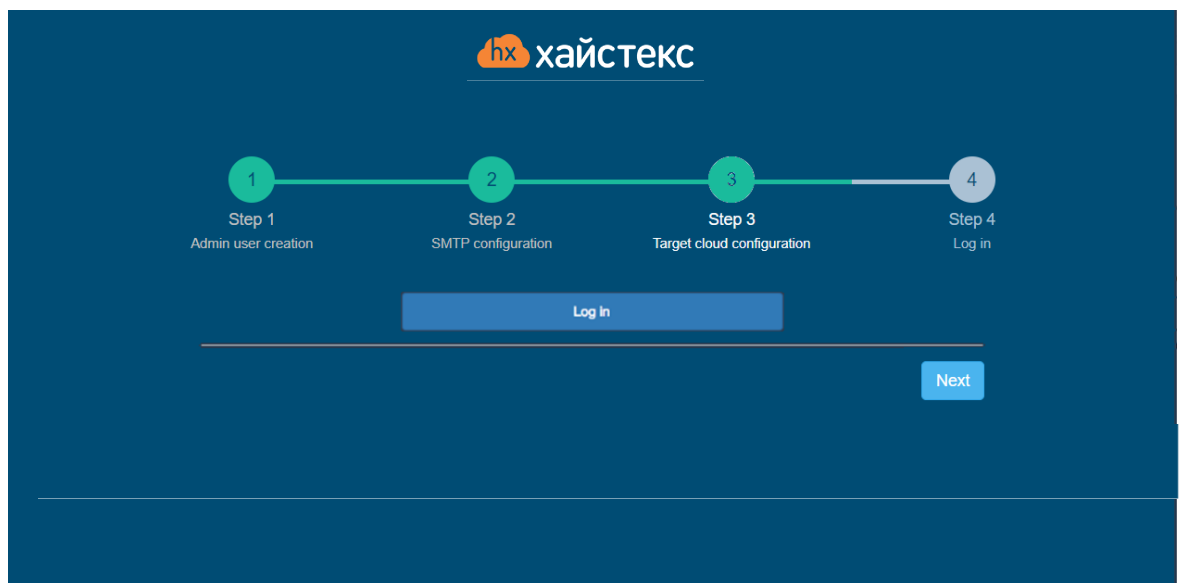
?

Next

3. **Step 3:** Click the “Next” button.



4. **Step 4:** Installation is complete, and you can now log in to the system using credentials entered in the previous step.



## Troubleshooting

Acura automatically checks cloud access and necessary permissions for assuring successful operation. It provides detailed error messages that describe their potential causes. In case of an error, please check the correctness of data entered and availability of the necessary permissions.