Installation Guide (AWS)

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.

To deploy the Acura solution, a customer needs to make a request to provide an AMI and a CloudFormation template of the solution and follow the steps described in this document.
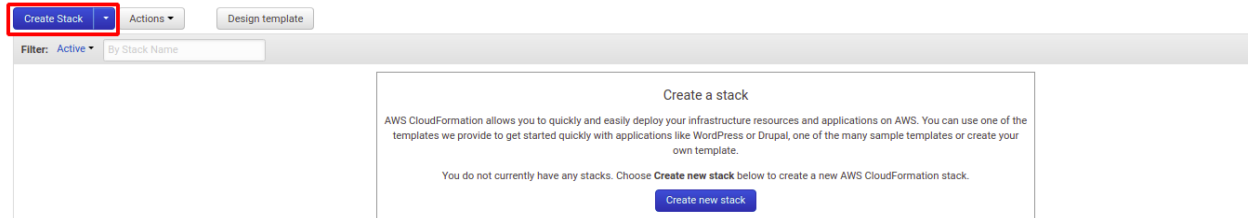
Installation steps

1. Create a stack from the provided link to a CloudFormation template with Acura.

- Select the "All Service" tab. Select the "CloudFormation" tab in the "Management & Governance" section.
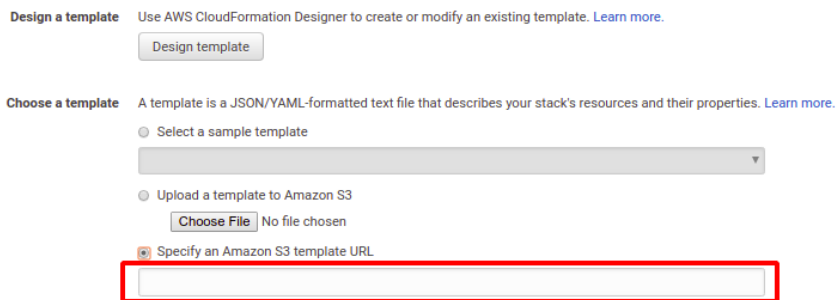
- To create a new stack, click on the "Create Stack" button.

Create Stack ▼ | Actions ▼ | Design template

Filter: Active ▼ | By Stack Name

Create a stack

AWS CloudFormation allows you to quickly and easily deploy your infrastructure resources and applications on AWS. You can use one of the templates we provide to get started quickly with applications like WordPress or Drupal, one of the many sample templates or create your own template.

You do not currently have any stacks. Choose **Create new stack** below to create a new AWS CloudFormation stack.

Create new stack

- Insert the provided link. Click on the "Next" button.

Select Template

Select the template that describes the stack that you want to create. A stack is a group of related resources that you manage as a single unit.

Design a template Use AWS CloudFormation Designer to create or modify an existing template. Learn more.

Design template

Choose a template A template is a JSON/YAML-formatted text file that describes your stack's resources and their properties. Learn more.

○ Select a sample template

[▼]

○ Upload a template to Amazon S3

Choose File No file chosen

⦿ Specify an Amazon S3 template URL

[   ]

- On the next page you will need to fill in the following fields:

  o Enter a stack name.
  o Enter an IP address from which access to HLCM's monitoring tools is allowed.
  o Enter a network for opening ports 443, 4443, 80 & 12201 (0.0.0.0/0 = public address).
  o Enter a network for VPC used by HLCM.
  o Enter an appropriate key-pair.

Note: Adding a key pair during Acura's deployment is highly recommended to provide you with SSH access to the machine. Although the Engineering team will be able to perform maintenance checks and troubleshooting (as long as the network is reachable and your security groups allow the corresponding traffic), it is better to have your own means of accessing the Acura instance. Please refer to AWS official documentation on using SSH public-private key pairs.

Click the "Next" button.

Specify Details

Specify a stack name and parameter values. You can use or change the default parameter values, which are defined in the AWS CloudFormation template. Learn more.

Stack name

Parameters

AllowedNetCIDR   Network CIDR from which access to HLCM's monitoring tools is allowed

HLCMUSERIP   0.0.0.0/0   CIDR for opening ports 443, 4443, 80 & 12201 (0.0.0.0/0 = public address)

HLCMVPCCIDR   10.42.42.0/24   CIDR for VPC used by HLCM

KeyName   Search   SSH Key for Controller and Agents

- On this page you do not need to specify anything, just click the "Next" button.

Options

Tags

You can specify tags (key-value pairs) for resources in your stack. You can add up to 50 unique key-value pairs for each stack. Learn more.

	Key (127 characters maximum)	Value (255 characters maximum)	
1			+

Permissions

You can choose an IAM role that CloudFormation uses to create, modify, or delete resources in the stack. If you don't choose a role, CloudFormation uses the permissions defined in your account. Learn more.

IAM Role   Choose a role (optional)

Enter role arn

▼ Rollback Triggers

Rollback triggers enable you to have AWS CloudFormation monitor the state of your application during stack creation and updating, and to rollback that operation if the application breaches the threshold of any of the alarms you've specified. Learn more

Monitoring Time ❶   0-180   Minutes

Minimum value of 0. Maximum value of 180.

Available triggers remaining: 5

	Type	ARN (Amazon Resource Name)	
1	AWS::CloudWatch::Alarm		+

- Check the box to confirm that you are familiar with the fact that AWS CloudFormation might create IAM resources. Click the "Create" button.

Review

Template

Template URL   https://hystax-eu-fra.s3.eu-central-1.amazonaws.com/CF_Hystax_Acura_VA_DR_release_3_1
Description   Deploy Hystax Live Cloud Migration (HLCM) to your AWS env
Estimate cost   Link is not available

Details

Stack name: e

AllowedNetCIDR   e
HLCMUSERIP   0.0.0.0/0
HLCMVPCCIDR   10.42.42.0/24
KeyName   hx-key

Options

Tags

No tags provided

Rollback Triggers

No monitoring time provided

No rollback triggers provided

Advanced

Notification
Termination Protection   Disabled
Timeout   none
Rollback on failure   Yes

Capabilities

ⓘ   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.

- • Please wait while the stack is being created. It may take up to 20 minutes.

2. Open a web browser and go to https://<ip_address_of_the_machine>/. You will be redirected to the Setup Wizard. After you perform all the steps, the installation will be complete, and you will be able to start using Acura.

3. **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.

4. **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".
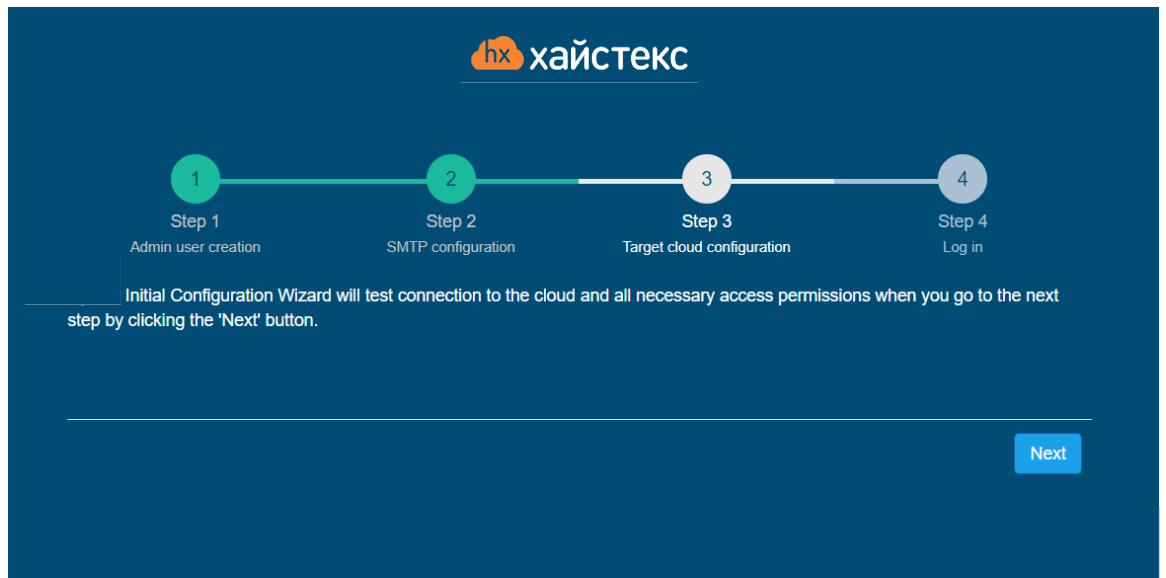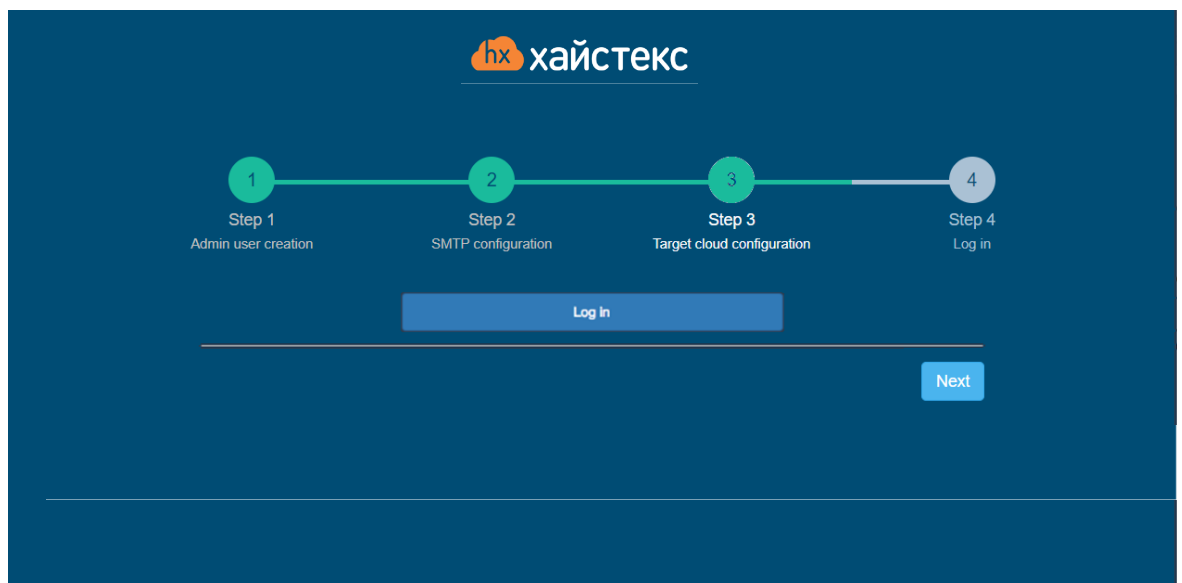
5. **Step 3**: Click the "Next" button.

6. **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.