# Hystax Acura

## Installation Guide (OpenStack)

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## Overview

Hystax is 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 Hystax Acura solution a customer need to request Hystax (info@hystax.com) golden image of the solution and follow steps described in this document.

## Installation requirements

- Mitaka+ version of OpenStack (Red Hat, Canonical, Suse, Mirantis, CentOS and Vanilla distributives are supported).
- Golden image with Hystax Acura (provided by request).
- OpenStack virtual machine with 8 vCPUs, 16Gb RAM, 100Gb disk created from Hystax Acura Golden image.
- Resources to create a VM with 2 vCPU/4Gb RAM/20Gb disk for Hystax Cloud Agent. Created in each target / failover OpenStack project.
- Security groups allowing the following traffic:
  - Hystax Acura host:
    - Ingress – tcp/443
    - Ingress – tcp/4443
    - Ingress – udp/12201
    - Ingress – tcp/12201
  - Hystax Cloud Agent (spawned automatically in the Target Project)
    - Ingress – tcp/80
    - Ingress – tcp/3260
    - Ingress - tcp/15000

## Installation steps

1. Deploy golden image to a virtual machine and launch it on OpenStack.
2. Open web browser and go to https://<ip_address of the machine>/. You will go to a Hystax Setup Wizard. When you complete all the steps, the installation will be completed and you can start using Hystax Acura.

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3. Step 1 - Fill all the fields on the first step providing cloud configuration details. Please use question mark icons to get hints on the fields. When you click 'Next', Hystax Setup Wizard will validate the data entered and notify you in case of error.
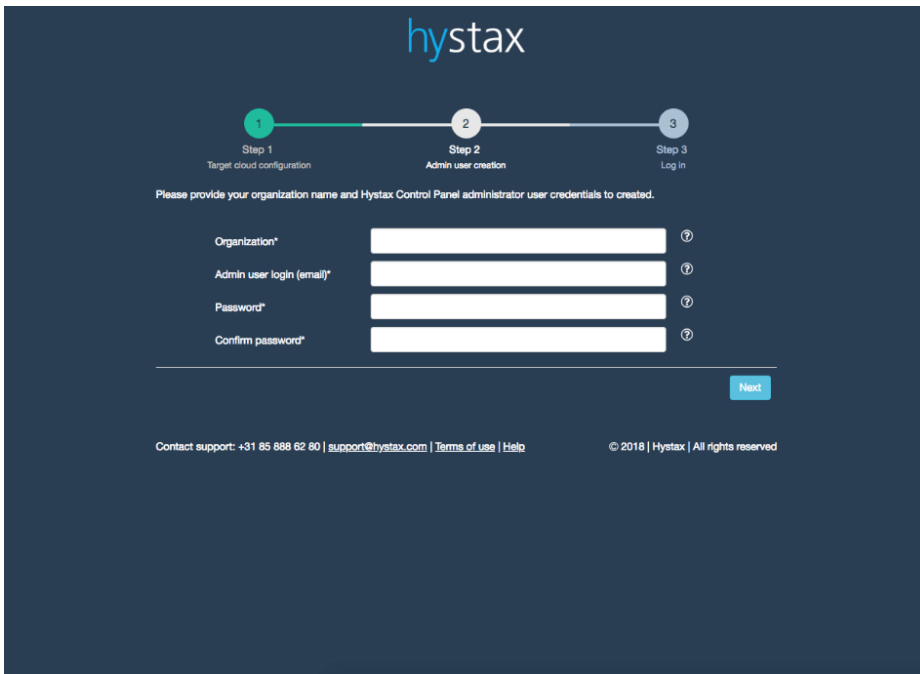


| Field | Description | Example |
|-------|-------------|---------|
| Keystone API Endpoint | OpenStack Keystone authentication URL | http://controller.dts.loc:35357/v3 |
| User Domain | User domain name to access OpenStack | default |
| Username | Username to access OpenStack | admin |
| Password | Password to access OpenStack | passw |
| Target Project Domain | Target OpenStack project domain name | default |
| Target Project Name | Target OpenStack project name where replicated workloads will be spun up | TargetProj |
| Hystax Service Network | Network which will be used for Hystax Cloud Agent machines. Should be the same or routable to the network in which a Hystax Acura instance is located | provider |
| Floating IP Network | External network which will be used to attach Floating IPs to migrated machines | provider |
| Hystax Acura Control Panel Public IP | Public IP which will be used to access the Hystax Control Panel via web browser and by replication agents | 192.168.0.10 |

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Provided OpenStack user should have the following rights in order Hystax Acura can operate correctly:

- Import image
- Launch instance
- Create volume
- Attach volume to instance
- Detach volume from instance
- Create volume snapshot
- Create volume from snapshot
- Remove snapshot
- Remove volume
- Manage networks

4. Step 2 - Enter Organisation name and Hystax Admin User credentials into Hystax Setup Wizard. This is the user which you can use to log in to Hystax Acura Control Plane and administer the system. If there are any errors the system will notify you.

5. Step 3 – installation is completed and you can log in to the system using credentials entered on the second step.
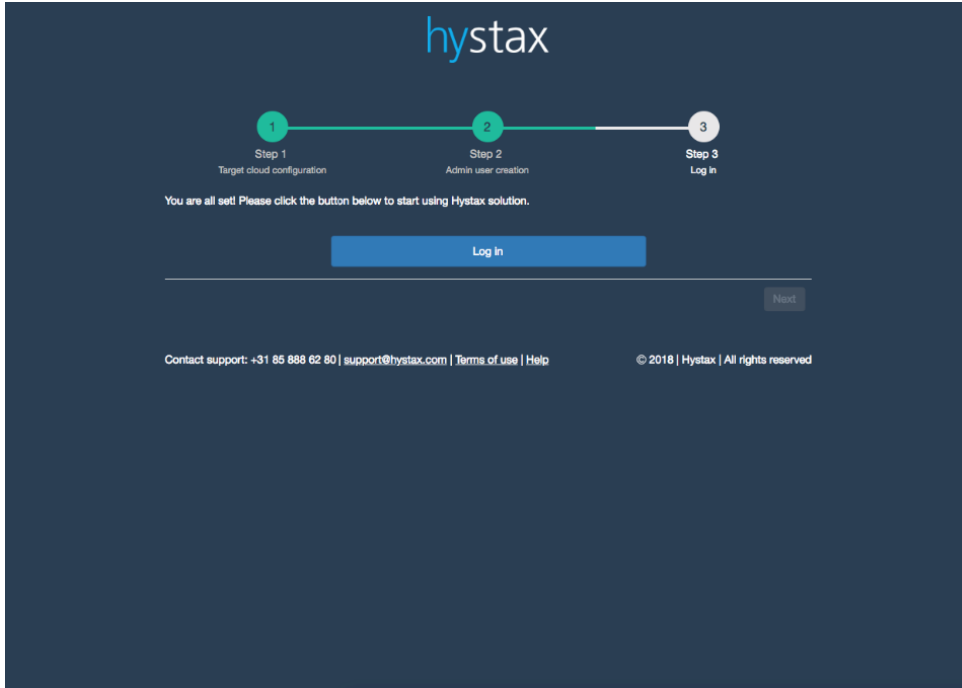


## Troubleshooting

Hystax Acura automatically checks cloud access and necessary permissions for successful operation. It provides detailed error messages describing cause of problems. In case of error, please check correctness of data entered and necessary permissions.

Use contact details below to reach Hystax support in case you have any questions or problems with installation process.

## Contacts

Email: info@hystax.com

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