

Hystax Acura

Installation Guide (OpenStack)





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 the Hystax Acura solution, a customer needs to request Hystax (info@hystax.com) for the golden image of the solution and follow the 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).
- Resources to create a virtual machine with 8 vCPUs, 16Gb RAM, 100Gb disk created from the Hystax Acura Golden image.
- Resources to create a VM with 2 vCPU/4Gb RAM/20Gb disk for the 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
 - Hystax Cloud Agent (spawned automatically in the Target Project)
 - Ingress – tcp/80
 - Ingress – tcp/3260
 - Ingress - tcp/15000

Installation steps

1. Deploy a virtual machine from the golden image with a key pair attached and launch it in the OpenStack cloud.

Note: Adding a key pair is highly recommended to provide you with SSH access to the machine. Although Hystax 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 [OpenStack's official documentation on adding an SSH public-private key pair to VMs](#).

It takes from 10 to 20 minutes for the solution services to start and the UI to become available.

2. Open a web browser and go to https://<ip_address_of_the_machine>/. You will be redirected to the Hystax Setup Wizard. After you perform all the steps, the installation will be complete and you will be able to start using Hystax Acura.
3. Step 1: Fill in all the fields in the first step by providing cloud configuration details. Please use question mark icons to get hints on the fields. After you click "Next", the Hystax Setup Wizard will validate the data entered and notify you in case of an error.



hystax

1 ————— 2 ————— 3
 Step 1 Step 2 Step 3
 Target cloud configuration Admin user creation Log in

Please provide configuration information to connect Hystax Acura to a target Azure. Refer to the hints by hovering question marks in needed. Hystax Initial Configuration Wizard will test connection to the cloud and all necessary access permissions when you go to the next step by clicking the 'Next' button.

| | | |
|---------------------------------------|----------------------|---|
| Subscription ID* | <input type="text"/> | ? |
| Client ID* | <input type="text"/> | ? |
| Tenant* | <input type="text"/> | ? |
| Secret* | <input type="text"/> | ? |
| Account name* | <input type="text"/> | ? |
| Account key* | <input type="text"/> | ? |
| Region* | <input type="text"/> | ? |
| Group name* | <input type="text"/> | ? |
| Cloud agent subnet* | <input type="text"/> | ? |
| Hystax Acura Control Panel Public IP* | <input type="text"/> | ? |
| Additional parameters | <input type="text"/> | ? |

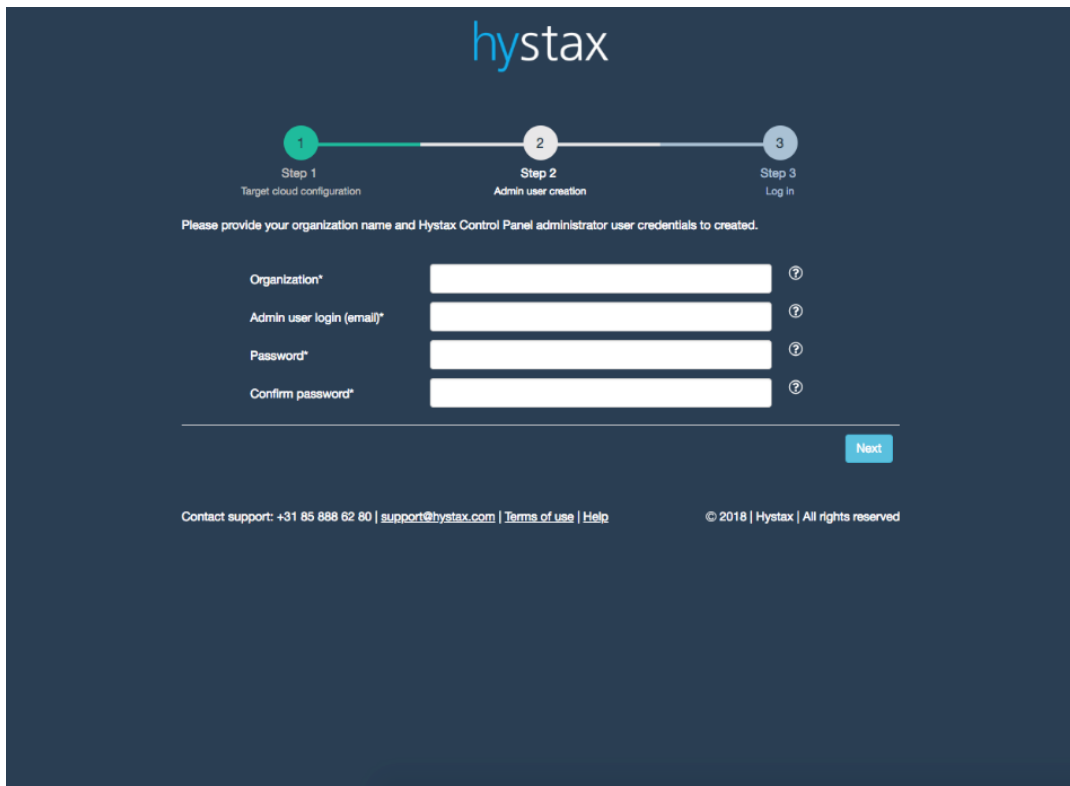
[Next](#)

| 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 that 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 that will be used to attach Floating IPs to migrated machines | provider |
| Hystax Acura Control Panel Public IP | Public IP that will be used to access the Hystax Control Panel via web browser and by replication agents | 192.168.0.10 |

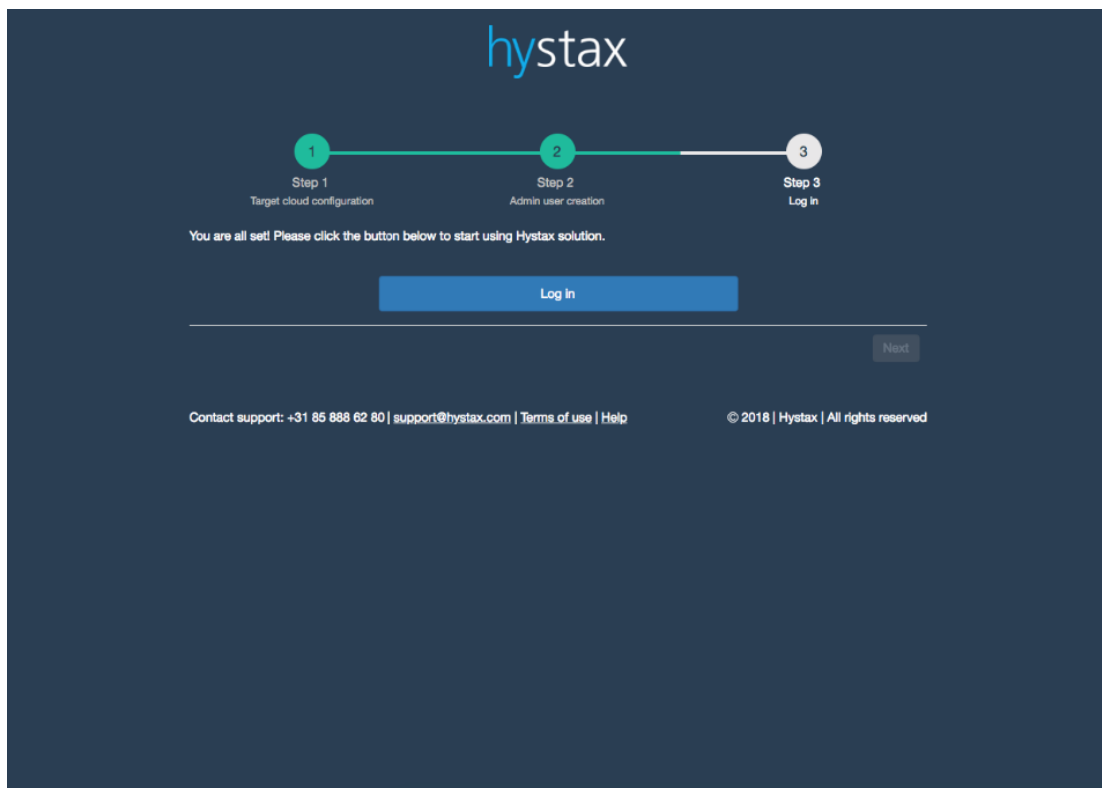
The specified OpenStack user should have the following rights in order for Hystax Acura to operate correctly:

- 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 the organization name and new Hystax Admin User credentials into the Setup Wizard. This will be the user account for logging in to the Hystax Acura Control Plane and managing the system. If there are any errors, the system will notify you.



5. Step 3: Installation is complete, and you can now log in to the system using credentials entered in the previous step.





Troubleshooting

Hystax Acura automatically checks cloud access and the 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 the data entered and availability of the necessary permissions.

Feel free to use the contact details below to reach Hystax support in case you have any questions or difficulties with the installation process. Hystax Support Portal is available at <https://support.hystax.com/>, which includes all articles from our Knowledge Base. You can also submit support requests in your personal account.

Contacts

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