

Hystax Acura

Installation Guide (VMware)





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.

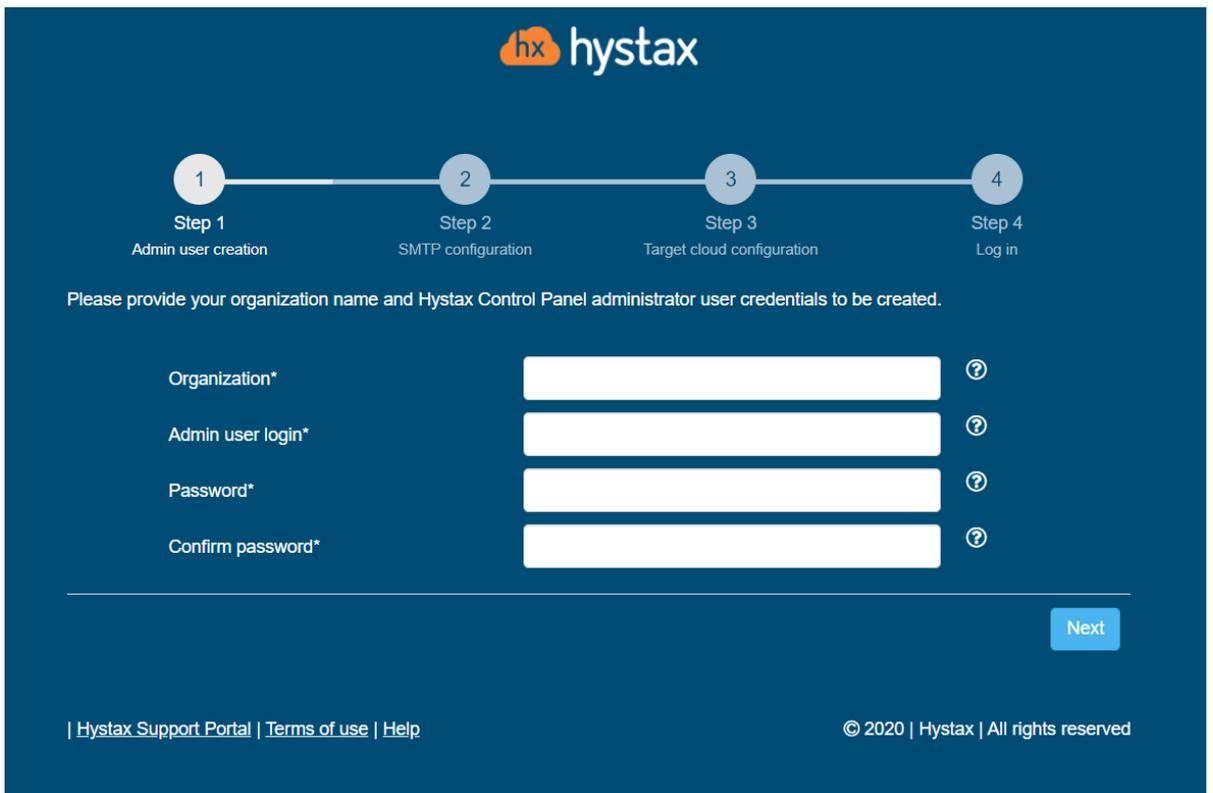
To deploy the Hystax Acura solution, a customer needs to request Hystax (info@hystax.com) to provide the solution and follow the steps described in this document.

Installation requirements

- OVA with Hystax Acura (provided by request)
- Hystax Acura Controller from the provided OVA with not less than 8 vCPUs and 16 GB RAM and a 200 GB disk
- Hystax Acura Cloud Agent requires at least 2vCPUs and 4 GB RAM
- SMTP server with TLS/SSL encryption
- A user with administrative permissions to operate VMware APIs
- Security groups allowing the following traffic:
 - Hystax Acura host:
 - Ingress – tcp/443;
 - Ingress – tcp/4443;
 - Ingress – udp/12201.
 - Hystax Cloud Agent (launched manually in the target ESXi or vCenter cluster):
 - Ingress – tcp/80;
 - Ingress – tcp/3260;
 - Ingress - tcp/15000.
- Source network should have DHCP enabled to allow communication between Acura's components. If that is not possible, please assign static IPs for the instances by editing their network configuration as described in our example [Knowledge Base article](#).

Installation steps

1. Create a machine from the OVA with Hystax Acura and start it.
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:** Enter an organization name and the new Hystax Admin User credentials into the Setup Wizard. This will be the user account for logging in to the Hystax Acura Control Panel and managing the system. If there are any errors, the system will notify you.



 hystax

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 Hystax Control Panel administrator user credentials to be created.

Organization* ?

Admin user login* ?

Password* ?

Confirm password* ?

Next

[Hystax Support Portal](#) | [Terms of use](#) | [Help](#)

© 2020 | Hystax | All rights reserved



- Step 2:** Fill in your Hystax 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.

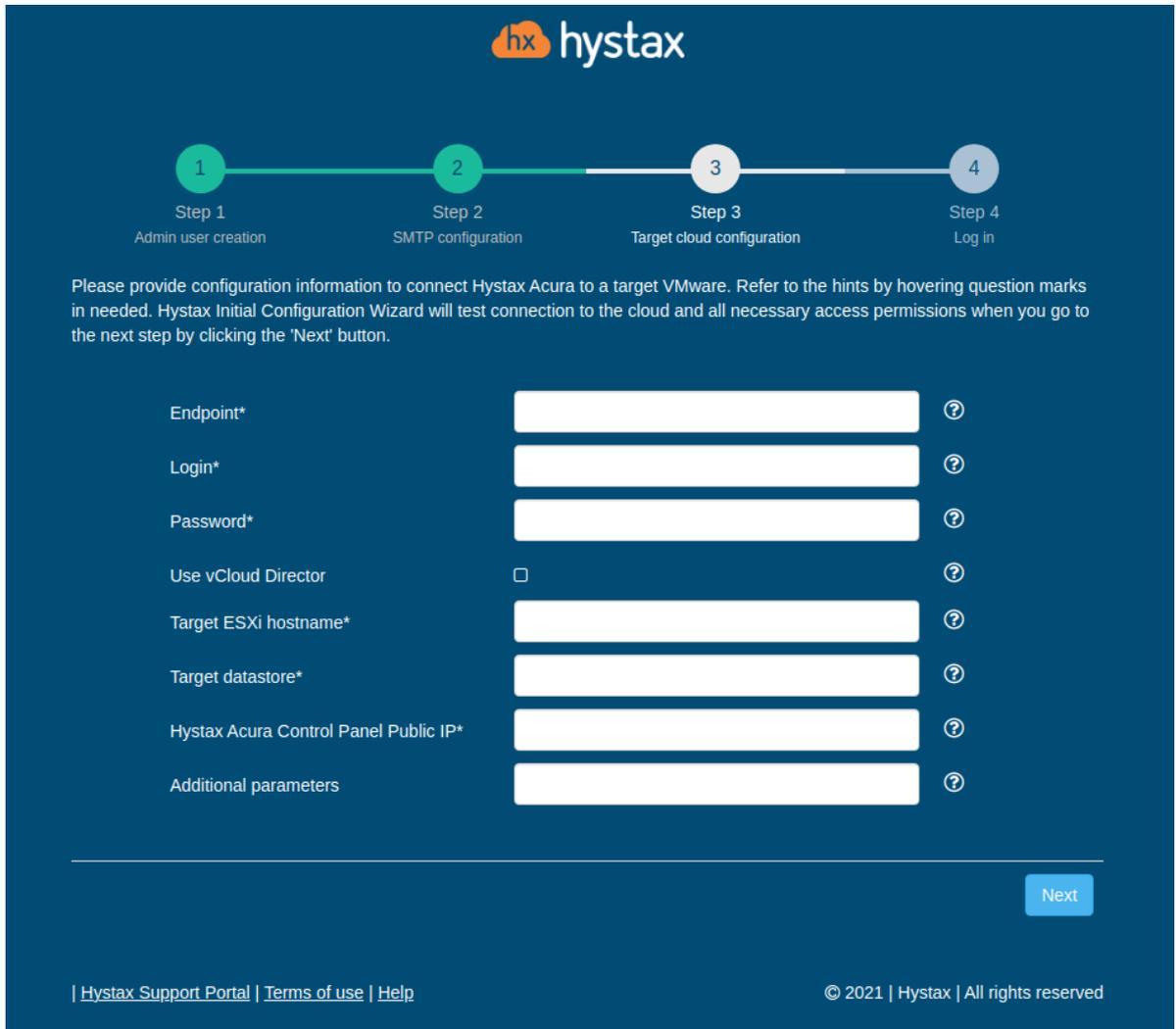
A sample notification will be sent to the specified “Test email” to verify the functionality when you click “Next”.

The screenshot shows the Hystax configuration interface. At the top, the Hystax logo is displayed. Below it, a progress bar indicates four steps: Step 1 (Admin user creation), Step 2 (SMTP configuration), Step 3 (Target cloud configuration), and Step 4 (Log in). Step 2 is currently active. Below the progress bar, a message states: "In order to be able to send email notifications, a mail server configuration must be introduced during initial configuration of Hystax Acura. Please enter valid SMTP settings as well as the provided license key." The form contains the following fields:

License key*	<input type="text"/>	?
Encryption type*	SSL	?
SMTP server*	<input type="text"/>	?
SMTP port*	<input type="text"/>	?
SMTP username*	<input type="text"/>	?
SMTP password*	<input type="password"/>	?
Test email*	<input type="text"/>	?

A "Next" button is located at the bottom right of the form. At the bottom of the page, there are links for "Hystax Support Portal", "Terms of use", and "Help", along with the copyright notice "© 2021 | Hystax | All rights reserved".

- Step 3:** Fill in all the fields by providing cloud configuration details. Use question mark icons to get hints on the fields. After you click “Next”, the Setup Wizard will validate the entered data and notify you in case of an error.



Field	Description	Example
Endpoint	IP or FQDN of the target vCenter or ESXi host	my.vmware.loc
Login	User that will be used to work with VMware APIs. In order for the solution to work properly, this user must have Administrative permissions.	apura_admin
Password	Password for the provided user	mypass
Target ESXi hostname	Hostname of the ESXi host that the machines will be replicated to	localhost

Target datastore	Name of the datastore that the machines will be replicated to	Datastore1
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	18.5.123.15
Additional parameters	Other additional parameters in JSON format, for example: {"parameter": "value"}	{"vmware_name_postfix ": "replica" }

In case of using **vCloud Director** in your VMware setup, check the corresponding box at **Step 3** and fill in the extra mandatory fields needed to access the target environment.





Please provide configuration information to connect Hystax Acura to a target VMware. 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.

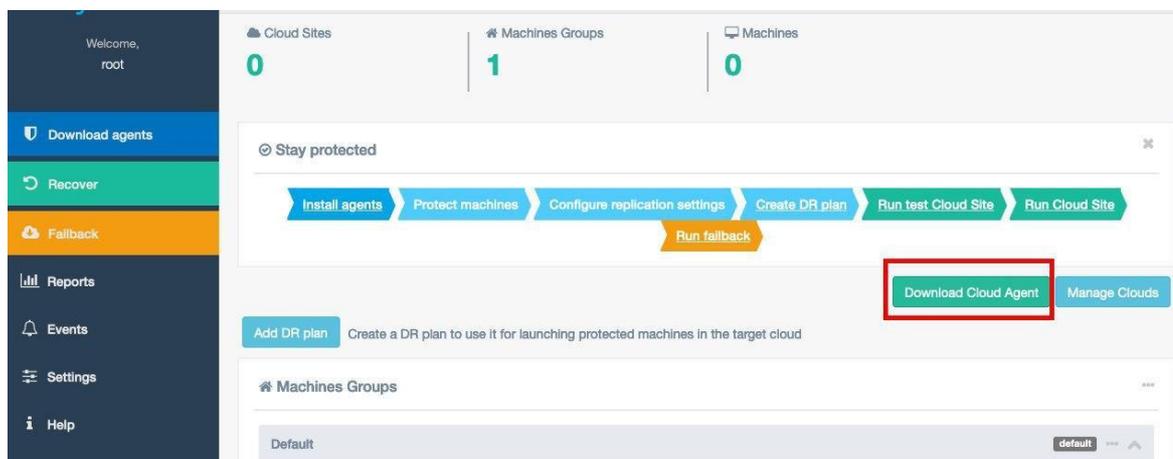
Endpoint*	<input type="text"/>	?
Login*	<input type="text"/>	?
Password*	<input type="password"/>	?
Use vCloud Director	<input checked="" type="checkbox"/>	?
vCloud Director endpoint*	<input type="text"/>	?
Login*	<input type="text"/>	?
Password*	<input type="password"/>	?
Organization name*	<input type="text"/>	?
Organization VDC*	<input type="text"/>	?
Default vApp name*	<input type="text"/>	?
Hystax Acura Control Panel Public IP*	<input type="text"/>	?
Additional parameters	<input type="text"/>	?

Field	Description	Example
Endpoint	IP or FQDN of the target vCenter	my.vmware.loc
Login	User that will be used to work with VMware APIs. Administrative permissions are mandatory for the user	acura_admin
Password	Password for the provided vCenter user	mypass
vCloud Director endpoint	IP or FQDN of the vCloud Director to connect to	my.vmware.vcd
Login	Username to log into the vCloud Director	vcd_admin
Password	Password for the provided user	mypass
Organization name	Default organization for registering machines	Myorganization
Organization VDC	Default Virtual Data Center for the machines	Datastore1
Default vApp name	Default vApp name to register machines	My_vAPP
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	18.5.123.15
Additional parameters	Other additional parameters in JSON format, for example: {"parameter": "value"}	{"vmware_name_postfix ": "replica" }

6. **Step 4:** Installation is complete, and you can now log in to the Acura Control Panel (ACP) using credentials entered in the first step.



7. After logging in to ACP as a new customer, download a Cloud Agent OVA file.



8. Use this template to create and launch a service VM in your target ESXi or vCenter Cluster.
9. The initial configuration is complete, and you can proceed to download and install replication agents depending on the type of your source machines.

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 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

Email: support@hystax.com

Phone: +16282511280 Address: 1250 Borregas Avenue Sunnyvale, CA 94089