

Hystax Acura

Installation Guide (Azure)





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

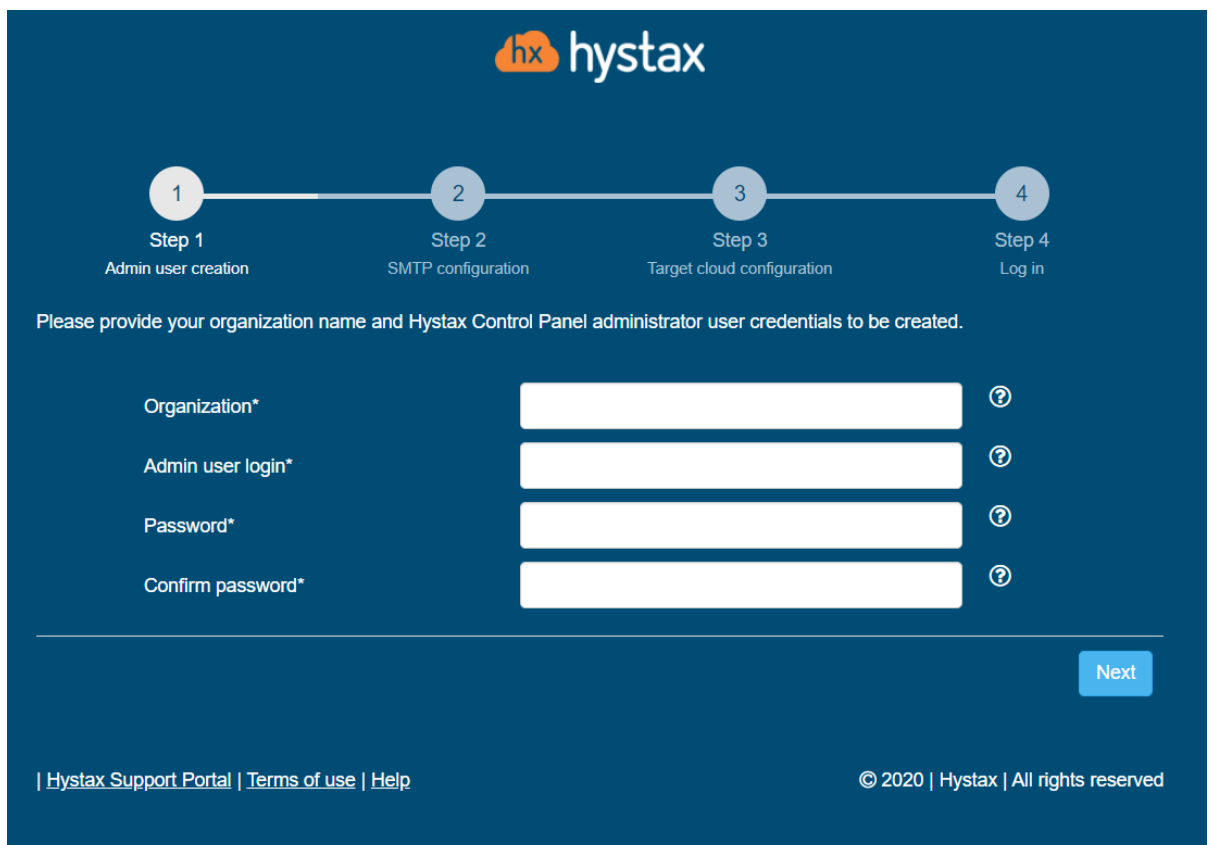
- VHD with Hystax Acura (provided by request).
- Deploy Hystax Acura from this VHD with not less than a Standard D4s v3 (4 vCPUs, 16 GB RAM and 100 GB disk).
- Create an account for the application with Contributor rights, as described in the doc: <https://docs.microsoft.com/en-us/azure/active-directory/develop/howto-create-service-principal-portal>
- SMTP server with TLS/SSL encryption.
- 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. Create a machine from the Hystax Acura VHD with key pair attached.

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 [Microsoft's official documentation on adding an SSH public-private key pair for Linux VMs in Azure](#).

2. Associate a Public IP with the created machine.
3. 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.
4. **Step 1:** Enter the organization name and new Hystax Admin User credentials into the Setup Wizard. This will be the user account for logging in to 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* ?

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- 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* (text input)
- Encryption type* (dropdown menu, currently set to SSL)
- SMTP server* (text input)
- SMTP port* (text input)
- SMTP username* (text input)
- SMTP password* (text input)
- Test email* (text input)

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".



6. **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.

Subscription ID* ?

Application ID* ?

Tenant* ?

Secret* ?

Region* ?

Group name* ?

Cloud agent subnet* ?

Hystax Acura Control Panel Public IP* ?

Additional parameters ?

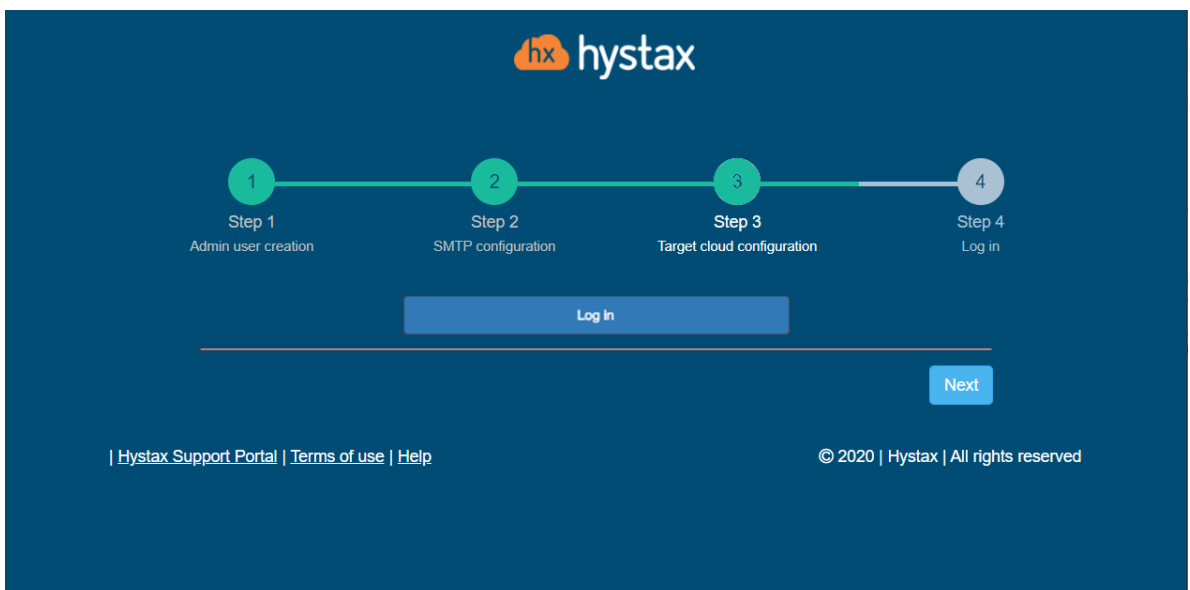
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Field	Description	Example
Subscription ID	ID of Azure subscription	f47b3e31-7c86-436b-baa1-a44938198b8e
Client ID	Application (client) ID of the registered application in Azure. (see how to create this ID and secret here: https://docs.microsoft.com/en-us/azure/active-directory/develop/howto-create-service-principal-portal)	405b2a3f-6df5-4724-9a2b-e8061f560c89

Tenant	Directory (tenant) ID (can be found in Azure Active Directory / Properties)	1338dcc9-f703-4c56-b9d5-a6fe5493f757
Secret	Secret string that the application uses to prove its identity when requesting a token. Can also be referred to as an application password.	=\$\$*^6-- d6Jnjhg6#p#Z3bFcgU[6d68/ QsO>/A;)O[^s4F8[TYo]#nhj u7
Account name	Name of the storage account	acura
Account key	Access key created for the storage account (https://docs.microsoft.com/en-us/azure/storage/common/storage-account-manage#access-keys)	8SgHI4Dz7HAIJ69WuhCq9 +0gr1MtZKNcPKAShPpWT lSD171VWIEIX9oQ/gbp1sH UCMINAsr2KHFr47HD4wj CLg==
Region	Azure region name	westeurope
Group name	Target resource group name	acura
Cloud agent subnet	Subnet in format " <code><network_name>/<subnet_name></code> "	acura-vnet/default
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	18.5.123.15
Additional parameters	Other additional parameters in JSON format, for example: <code>{"parameter": "value"}</code>	<code>{"availability_zone": "zone-1"}</code>

7. **Step 4:** 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 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

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