

Installation Guide (MS Azure)



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.

Installation requirements

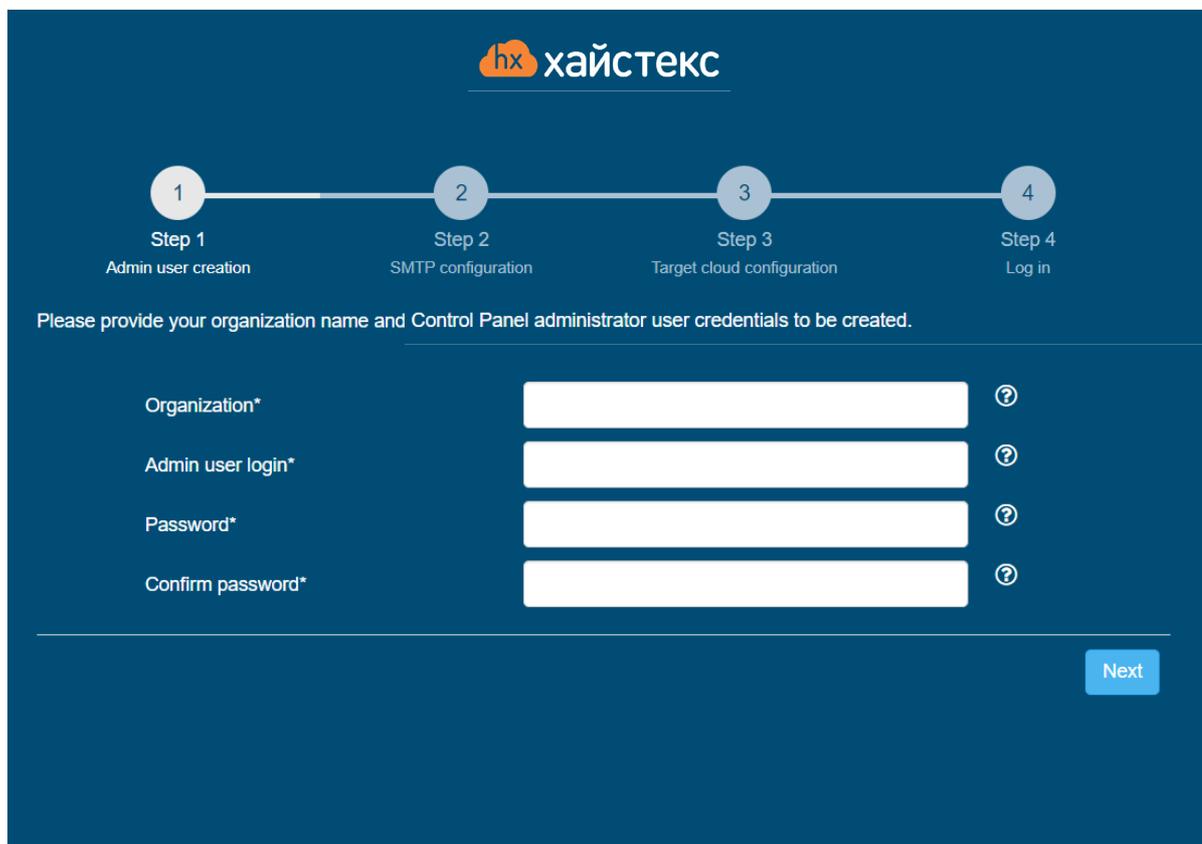
- VHD with Acura (provided by request).
- Deploy Acura from this VHD with not less than a Standard D4s v3 (4 vCPUs, 16 GB RAM and 100 GB disk).
- Create an account for the application with Contributor rights, as described in the doc: <https://docs.microsoft.com/en-us/azure/active-directory/develop/howto-create-service-principal-portal>
- SMTP server with TLS/SSL encryption.
- Security Groups allowing the following traffic:
 - Acura host:
 - Ingress – tcp/443;
 - Ingress – tcp/4443;
 - Ingress – udp/12201.
 - 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 Acura VHD with key pair attached.

Note: Adding a key pair is highly recommended to provide you with SSH access to the machine. Although 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 Setup Wizard. After you perform all the steps, the installation will be complete, and you will be able to start using Acura.
4. **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 Acura Control Panel and managing the system. If there are any errors, the system will notify you.



hx хайстекс

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 Control Panel administrator user credentials to be created.

Organization* ?

Admin user login* ?

Password* ?

Confirm password* ?

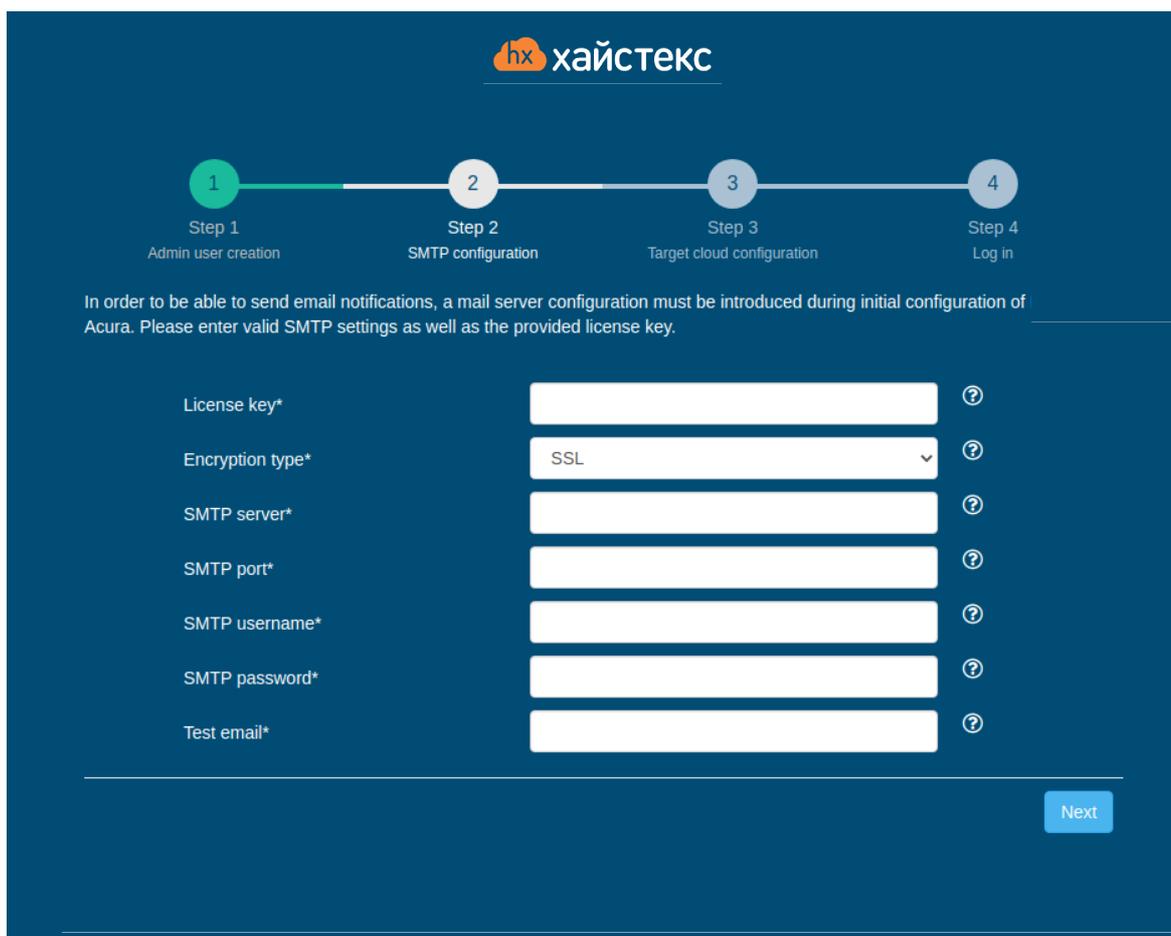
Next

- 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”.

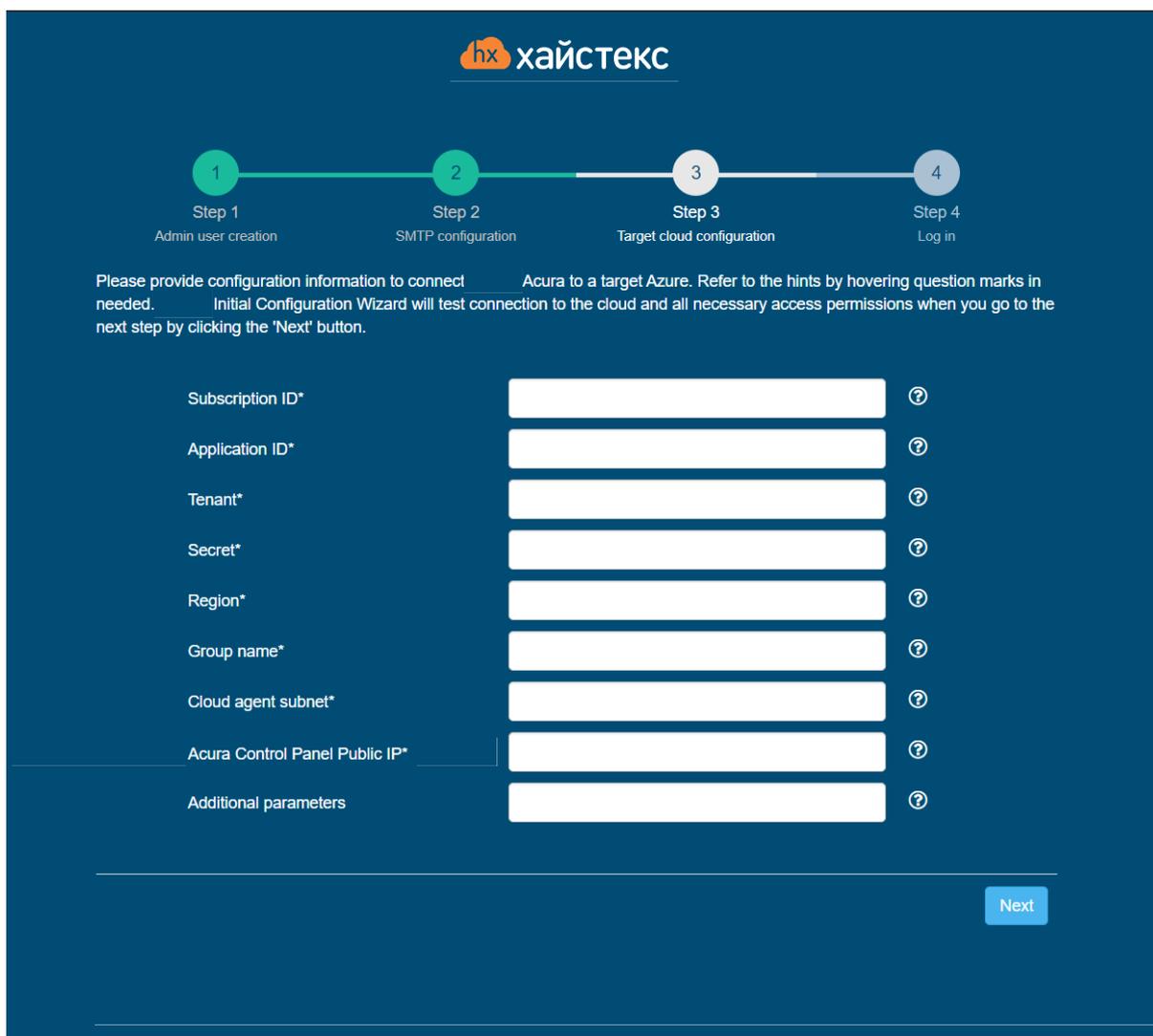


The screenshot shows a configuration interface for 'хайстекс' (Hixtek) with a progress bar at the top indicating four steps: Step 1 (Admin user creation), Step 2 (SMTP configuration), Step 3 (Target cloud configuration), and Step 4 (Log in). Step 2 is currently active. Below the progress bar, a message states: "In order to be able to send email notifications, a mail server configuration must be introduced during initial configuration of 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.

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.



hx хайстекс

1 Step 1 Admin user creation
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Please provide configuration information to connect Acura to a target Azure. Refer to the hints by hovering question marks in needed. 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.

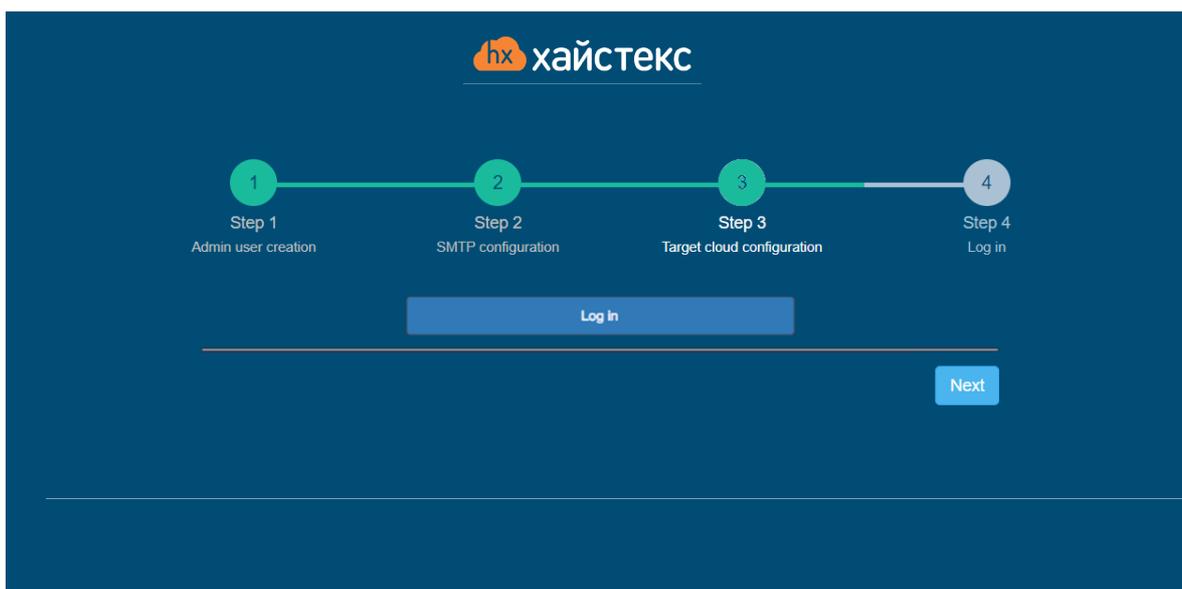
Subscription ID*	<input type="text"/>	?
Application ID*	<input type="text"/>	?
Tenant*	<input type="text"/>	?
Secret*	<input type="text"/>	?
Region*	<input type="text"/>	?
Group name*	<input type="text"/>	?
Cloud agent subnet*	<input type="text"/>	?
Acura Control Panel Public IP*	<input type="text"/>	?
Additional parameters	<input type="text"/>	?

[Next](#)

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
Acura Control Panel Public IP	Public IP that will be used to access the 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" }	{ "availability_zone": "zone-1" }

7. **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 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.