

Hystax Acura

Cloud Migration Step-by-Step Guide

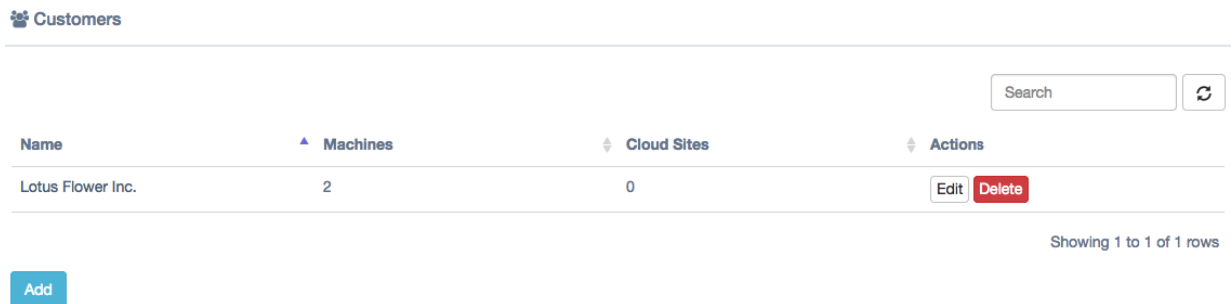


Hystax Acura Cloud Migration Step-by-Step Guide

To perform cloud migration you need to complete the following steps:

REPLICATION FLOW

1. Login to the Hystax Acura Control Panel deployed as a part of the solution (refer to <https://hystax.com/resources/> for more information on deployment instructions) and navigate to a customer dashboard for a customer you target to perform migration.



Customers

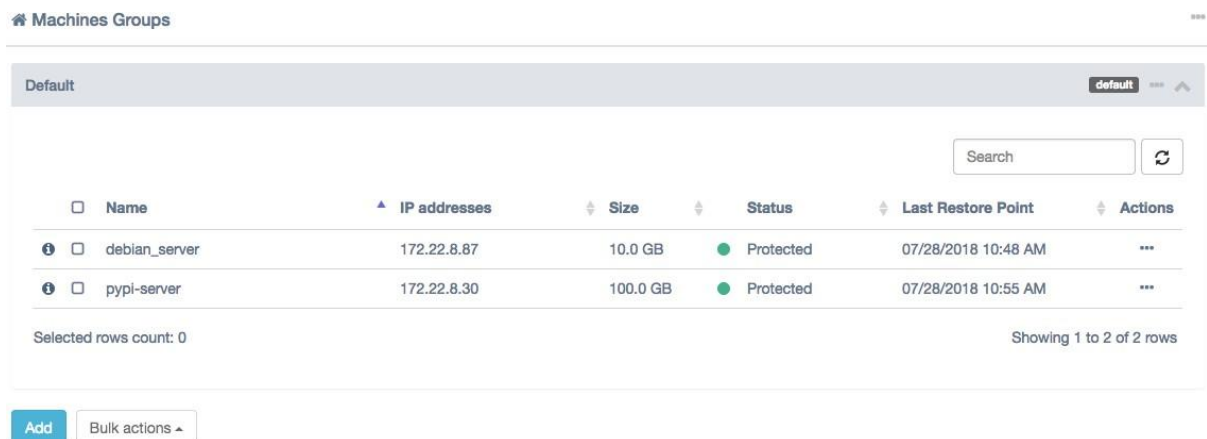
Search ↻

Name	Machines	Cloud Sites	Actions
Lotus Flower Inc.	2	0	Edit Delete

Showing 1 to 1 of 1 rows

Add

2. On a customer dashboard you can find information about replicated machines, Migration Plans and Migrations running on a target cloud. By default, no resources are available for a new customer.



Machines Groups

Default default ... ^

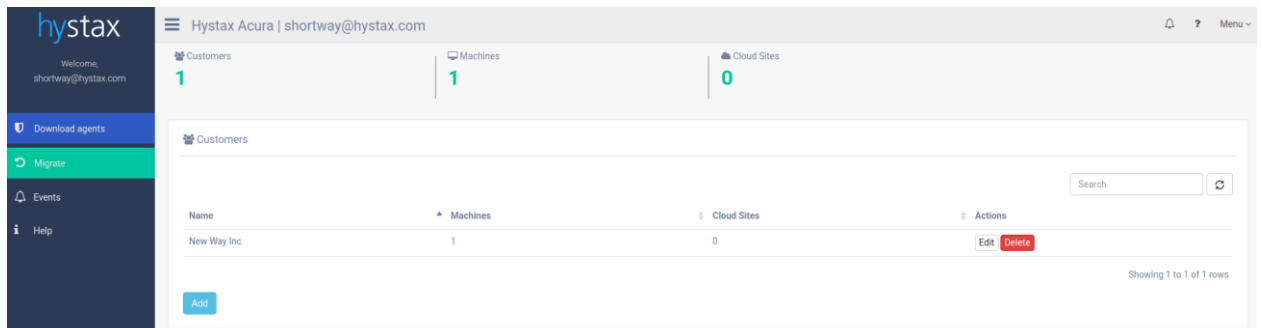
Search ↻

Name	IP addresses	Size	Status	Last Restore Point	Actions
<input type="checkbox"/> debian_server	172.22.8.87	10.0 GB	Protected	07/28/2018 10:48 AM	...
<input type="checkbox"/> pypi-server	172.22.8.30	100.0 GB	Protected	07/28/2018 10:55 AM	...

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Add Bulk actions ^

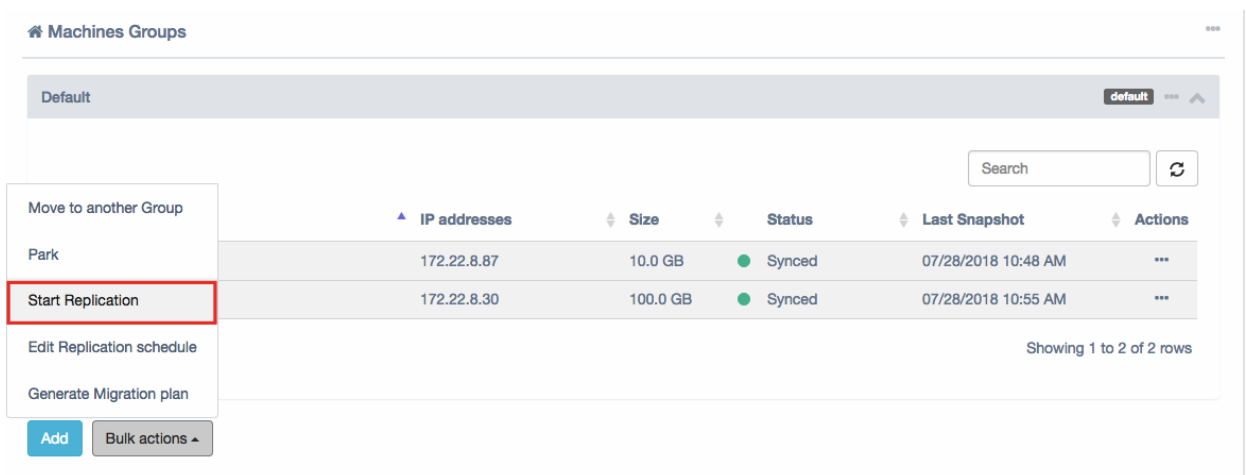
3. Click on the 'Download agents' button in the main menu, select a customer for which machines need to be replicated and download a replication agent.



There are three types of replication agents:

- VMware agent – an external agent to replicate VMware virtual machines without installing any software directly on VMs. Please refer that the agent requires access to VMware CBT API and network access to vCenter or ESXi host is mandatory. **Note that the agent from the same ova template must be deployed to all ESXi hosts where machines need to be protected.** Please refer to http://docs.hystax.com/devices_protection.html#install-vmware-agents.
- Windows agent – an internal agent which can be deployed to any number of customer Windows virtual or physical machines. Please refer to http://docs.hystax.com/devices_protection.html#install-windows-and-linux-agents and Operating Systems compatibility matrix available at <https://hystax.com/resources/>.
- Linux agent – an internal agent which can be deployed to any number of customer Linux virtual or physical machines. Please refer to http://docs.hystax.com/devices_protection.html#install-windows-and-linux-agents and Operating Systems Compatibility Matrix available at <https://hystax.com/resources/>.

4. When any of the agents are deployed, the machine with it (or all machines on the same ESXi host where the agent is located) will appear in Hystax Acura Control Panel under customer dashboard in the Discovered state.
5. To start replication of machines, select the machines and click 'Start replication' under 'Bulk actions' or for any of the machines specifically. After 'Start replication' is performed, machines will be replicated to a target cloud, first, Hystax Acura takes full replica and, later, incremental replicas according to a schedule set globally for all the machines or for any group of machines or for any machines specifically.



6. To change replication schedule, navigate to Replication schedule under a machine settings or Bulk actions. Refer to http://docs.hystax.com/dr_overview.html#edit-replication-schedule for more information on configuring the settings.

RUN MIGRATION FLOW

7. Migration is based on Migration Plans which are scenarios of what need to be migrated and in what order. Refer to http://docs.hystax.com/dr_overview.html#disaster-recovery-plans for more information about Migration Plans.

To create a Migration Plan click Add on Migration Plans region.



Migration plans

Search

<input type="checkbox"/> Name	Actions
<input type="checkbox"/> main_plan	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Selected rows count: 0 Showing 1 to 1 of 1 rows

- 8. While creating a Migration Plan orchestration is available under Basic and Expert modes. Basic mode helps to generate a plan with standard settings, expert mode is a JSON script with more powerful settings described under http://docs.hystax.com/dr_overview.html#dr-plan-syntax.
- 9. Add all the machines need to be migrated, place them into ranks, set correct IP addresses, networks and boot delays.

Name

Devices & Ranks

- :: Rank 0 – 2 machines
- :: debian_server – m1.small, 1 ports
- :: pypi-server – m1.small, 1 ports

Subnets

- service
- Subnet id: cbf26f33-4e02-4dbf-942b-96de06f
- CIDR: 192.168.0.0/24



10. When the Migration Plan is ready, you can run test or production failovers. To run a migration, select a Migration Plan and click Run Migration.

Migration plans

Name	Actions
main_plan	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

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11. On a third step select a restore point for the migration by selecting Restore point time. For all of the machines selected the closest snapshot in the past will be taken. Click Run Migration to start the process.

Cloud Site Name

Snapshot time

Final Migration plan

Machines

Name	IP Address	Flavor	Rank	Subnet
debian_server		m1.small	0	service
pypi-server		m1.small	0	service

Showing 1 to 2 of 2 rows



12. When a migration is running you can see and control its status on the Cloud Site page available via customer dashboard.

Machines running: 2

CloudSite Detach Delete

State: **Create in progress** | Project ID: 38bfa2d501244f1e876438d238ca3875 | Snapshot: 01/15/2019 09:31 AM

Machines

<input type="checkbox"/>	Name	IP Address	Flavor	Subnet	Snapshot	Status
<input type="checkbox"/>	debian_server		service		07/28/2018 10:48 AM	Pending
<input type="checkbox"/>	pypi-server		service		07/28/2018 10:55 AM	Pending

Selected rows count: 0 | Showing 1 to 2 of 2 rows

Bulk actions ▾

13. When you are done with test migration you can delete it and start a new one. For the final cutover, just detach Hystax Acura from the migration and Hystax Acura will stop tracking any resources belonging to this migration.

Machines running: 2

CloudSite Detach Delete

State: **Create in progress** | Project ID: 38bfa2d501244f1e876438d238ca3875 | Snapshot: 01/15/2019 09:31 AM

Machines

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Selected rows count: 0 | Showing 1 to 2 of 2 rows

Bulk actions ▾

For any questions, refer to <http://docs.hystax.com/index.html> or contact Hystax support team at support@hystax.com.