



Deployment requirements for Hystax Acura

Hystax Acura Component	System Requirements	Network Requirements (Allow traffic to/from the following ports)
Hystax Acura (controller) from the image provided by Hystax	VM with: <ul style="list-style-type: none">• 8 vCPUs• Memory: 16 Gb RAM• Disk space: 200 Gb drive	<ul style="list-style-type: none">• Ingress – tcp/443• Ingress – tcp/4443• Ingress – udp/12201• Egress - tcp/443• Egress - tcp/80 (to Hystax Cloud Agent)• Egress - tcp/3260 (to Hystax Cloud Agent)
Cloud Agent (VMware) downloaded from the Hystax Acura instance and deployed from OVA template - external	VM with: <ul style="list-style-type: none">• 2 CPUs• Memory: 4 Gb RAM	<ul style="list-style-type: none">• Ingress - tcp/80• Ingress - tcp/3260• Ingress – tcp/15000• Egress - tcp/udp 902 (to ESXi hosts)• Egress - tcp/443 (to vCenter and ESXi hosts)
Cloud Agent (all other supported cloud platforms) downloaded from the Hystax Acura instance and deployed from OVA template – external	VM with: <ul style="list-style-type: none">• 2 CPUs• Memory: 4 Gb RAM	<ul style="list-style-type: none">• Ingress - tcp/80• Ingress - tcp/3260• Ingress – tcp/15000
Replication Agent Windows downloaded from the Hystax Acura instance - internal	<ul style="list-style-type: none">• Memory: 2 GB RAM• CPU: x64 processor• Disk space: 100 MB required for product installation and not less than 15% free space of disk size for VSS snapshots creation	<ul style="list-style-type: none">• tcp/443 - send data to the Acura host• udp/12201 - send logs to Acura

Software:

- Microsoft .NET Framework 4.0

Replication Agent Linux:

downloaded from the Hystax Acura instance - internal

- Memory: 500 MB RAM
- Disk space: 100 MB required for product installation and not less than 15% free space of disk size for snapshots creation

- tcp/443 - send data to the Acura host
- udp/12201 - send logs to Acura

Replication Agent VMware:

downloaded from the Hystax Acura instance - external

VM with:

- 2 CPUs
- Memory: 4 Gb RAM

Note: there is a number of [host permissions](#) that the agent requires to operate.

- Source host - tcp/80, tcp/443
- vSphere host - tcp/443
- ESXi host(s) - tcp/udp/902
- udp/12201 - receive logs from the Acura cluster

Failback Agent VMware

Note: [host permissions](#)

- tcp/80 - communicate with the Acura host
- tcp/443 - vSphere host
- tcp/udp/902 - ESXi host(s)
- udp/12201- send logs to Acura

Failback Agent Flexible Engine

Note: [host permissions](#)

- tcp/443 - communicate with the Acura host
- udp/12201 - send logs to Acura
- Ports to communicate with the cloud API, e.g. tcp/5000 for keystone

Failback Agent OpenStack

Note: [host permissions](#)

- tcp/443 - communicate with the Acura host
- udp/12201 - send logs to Acura
- Ports to communicate with the cloud API, e.g. tcp/5000 for keystone

Failback to other clouds

For other clouds, failback is done in a form of live reverse migration of workloads to a source environment. Internal replication agents are installed directly to failover machines.