

# Deployment requirements for Acura

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

	<p>Software:</p> <ul style="list-style-type: none"> <li>• Microsoft .NET Framework 4.0</li> </ul>	
<p><b>Replication Agent Linux</b> downloaded from Acura Control Panel - internal</p>	<ul style="list-style-type: none"> <li>• Memory: 500 MB RAM</li> <li>• Disk space: 100 MB required for product installation and not less than 15% free space of disk size for snapshots creation</li> </ul>	<ul style="list-style-type: none"> <li>• tcp/443 - send data to the Acura host</li> <li>• udp/12201 - send logs to Acura</li> </ul>
<p><b>Replication Agent VMware</b> downloaded from Acura Control Panel - external</p>	<p>VM with:</p> <ul style="list-style-type: none"> <li>• 2 vCPUs</li> <li>• Memory: 4 GB RAM</li> </ul> <p><b>Note:</b> there are several <a href="#">host permissions</a> that the agent requires to operate</p>	<ul style="list-style-type: none"> <li>• Source host - tcp/80, tcp/443</li> <li>• vSphere host - tcp/443</li> <li>• ESXi host(s) - tcp/udp/902</li> <li>• udp/12201 - send logs to Acura</li> </ul>
<p><b>Failback Agent VMware</b></p>	<p><b>Note:</b> <a href="#">host permissions</a></p>	<ul style="list-style-type: none"> <li>• tcp/80 - communicate with the Acura host</li> <li>• tcp/443 - vSphere host</li> <li>• tcp/udp/902 - ESXi host(s)</li> <li>• udp/12201- send logs to Acura</li> </ul>
<p><b>Failback Agent Flexible Engine</b></p>	<p><b>Note:</b> <a href="#">host permissions</a></p>	<ul style="list-style-type: none"> <li>• tcp/443 - communicate with the Acura host</li> <li>• udp/12201 - send logs to Acura</li> <li>• Ports to communicate with the cloud API, e.g. tcp/5000 for keystone</li> </ul>
<p><b>Failback Agent OpenStack</b></p>	<p><b>Note:</b> <a href="#">host permissions</a></p>	<ul style="list-style-type: none"> <li>• tcp/443 - communicate with the Acura host</li> <li>• udp/12201 - send logs to Acura</li> <li>• Ports to communicate with the cloud API, e.g. tcp/5000 for keystone</li> </ul>

**Failback to other clouds**

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