Virtual Appliance System Requirements Guide

The system requirements and specifications listed below are subject to change without notice. Please consult with your account manager for all the latest updates.

The Axcient Virtual Appliance (vApp) allows the user to deploy a virtual machine to act as the local appliance. The vApp has identical functionality to that of local physical appliance.

VMware System Requirements

- 1TB and 2TB vApp Sizes - ESXi Server version 5.1 with Update 1 and later, or vSphere Server version 5.1 and later
- >2TB vApp sizes - ESXI Server version 5.5 and later, or vSphere Server version 5.5 and later
- VMware vSphere Web Client is **required** for deployment and enlargement of >2TB vApp sizes. Using the free vSphere Windows Client to deploy a vApp larger than 2TB will **result in system issues**
- Customers using the vSphere Windows Client must perform additional configuration steps for deployment

Storage System Requirements

- Minimum of 4 drives in RAID 10 are recommended when deploying multiple vApps
- Supports RAID 1, 5 and 6 but will incur slower write times to the disk
- For each vApp deployed, Axcient recommends usable storage to be greater than the size/capacity of the vApp deployed[1]
- In order to reclaim space on the vApp, make sure the storage hardware supports the SCSI UNMAP command sets. Consult with your VM vendor to confirm.
- Axcient does not support dedplucation for Windows 2012.

CPU System Requirements

- Servers with Intel Xeon processors that support Intel VT-X and EPT or AMD Opteron that support AMD-V with RVI
- Required for core features such as VM Validation, Local Failover and BMR to function
- Servers with Intel processors that solely support Intel VT-X will run replication jobs, but do not support virtualization
- Intel "Nehalem" Xeon processors released in 2009 and early 2011, or 3rd generation AMD "Barcelona" Opteron processors released in 2007
- For best results, Axcient recommends a maximum of (n-1) local VM failovers running at a time on the vApp, where n is the number of CPU cores[2]

vApp Configuration	CPU Cores	RAM	Size	IOPS
Minimum[3]	4	16 GB	4 drives, RAID 10	300
Recommended	4 - 8	24 GB	8 drives, RAID 10	300 - 600
High Performance	8+	32+ GB	12 drives, RAID 10	600 +

[1] If the vApp is 4TB, the usable storage should be 4TB+. If there are two 4TB vApps the usable storage should be 8TB+.

[2] Reserves 1 core for the vApp and assumes each failover VM recieves 1 core. For increased performance, increase the number of CPU cores available.

[3] Recommended for up to 3 VMs