System Requirements - Hot Copy

System Requirements

Installer	RPM & APT Packages
Memory	Recommended Minimum 512 MB
Linux Kernel	2.6
File Systems	Works with any local file system Note: Cannot snapshot remote Network File Systems
Disk Space	Block devices should have at least 15% free space available. Alternatively, specify a file system with more free space to store Hot Copy changed blocks.
Disks and Volumes	Virtually Any Block Device IDE, SATA, SCSI, SAS, ISCSI, Fibre Channel, LVM, MD (Software RAID), Hardware RAID, DRBD

Linux Distributions

Linux Distribution	Edition
RedHat Enterprise 32-bit (x86) & 64-bit (x64)	RHEL 4, RHEL 5, RHEL 6
CentOS 32-bit (x86) & 64-bit (x64)	CentOS-4, CentOS-5

Ubuntu 32-bit (x86) & 64-bit (x64)	5.04 (Hoary Hedgehog), 5.10 (Breezy Badger), 6.06 (Dapper Drake), 6.10 (Edgy Eft), 7.04 (Feisty Fawn), Ubuntu 7.10 (Gutsy Gibbon), Ubuntu 8.04 (Hardy Heron), Ubuntu 8.10 (Intrepid Ibex), 9.04 (Jaunty Jackalope), 9.10 (Karmic Koala), 10.04 (Lucid)*, 10.10 (Maverick)*
Fedora 32-bit (x86) & 64-bit (x64)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12*
Debian 32-bit (x86) & 64-bit (x64)	4.0 (Etch), 5.0 (lenny), 6.0 (Squeeze)*
Novell SUSE Enterprise Server 32-bit (x86) & 64-bit (x64)	10, 11
Open SUSE 32-bit (x86) & 64-bit (x64)	10, 11
Mandriva 32-bit (x86) & 64-bit (x64)	2008, 2009, 2010

Virtualization

Technology	Physical Server Install?	Guest (Virtual Machine) Install

Citrix XenServer 5	No	Install into guest VMs (domU)
Xen Source Hypervisor	No	Install into guest VMs (domU)
VMWare ESXi	No	Install into guest VMs
VMWare Server	No	Install into guest VMs
VMWare Workstation	No	Install into guest VMs
Parallels Virtuozzo	Yes, protects all Virtuozzo containers with one install	No, cannot be installed into individual Virtuozzo containers
KVM	No	Install into guest VMs

Known Linux kernels with severely broken Ext4
There was an issue with Ext4 introduced in "vanilla" Kernel.org kernel 2.6.32 and has been patched and released "down stream" into various Linux distributions. When any Ext4 file system snapshot is performed on an effected kernel, the file system can deadlock, causing a hung or crashed operating system. This is a Linux bug completely out of the control of R1Soft.

Do not use the following Linux kernel versions with Ext4:

- Ubuntu Lucid (10.04) Betas and Release Candidates - we have reports that Ubuntu Lucid 2.6.32-24.41 and greater are fixed
- Ubuntu Maverick (10.10) Betas and Release Candidates
- Debian 6 (Squeeze) Betas and Release Candidates
- Fedora Core 12 Betas and Release Candidates
- Xen (4.0 / 4.1) - Do Not use Ext4 on 2.6.32-5-xen - 2.6.32-35-xen_02

More Information:

Kernel.org Bug Report
https://bugzilla.kernel.org/show_bug.cgi?id=16278

Ubuntu Bug Report
https://bugs.launchpad.net/ubuntu/+source/linux/+bug/595489;