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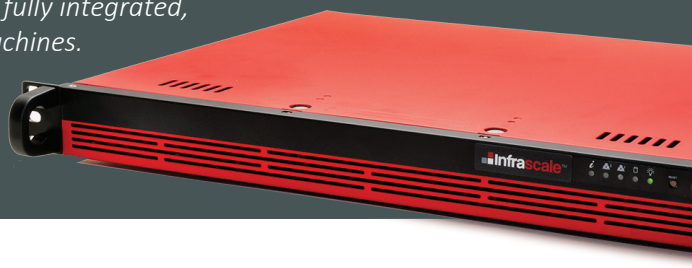
Cloud Failover Appliance

The Cloud Failover Appliance (CFA) is an enterprise-grade disaster recovery (DR) solution that provides push-button failover for Windows and Linux machines, both locally and in the cloud. Available as a virtual or physical appliance, the CFA comes with a fully integrated, backup, DR and archiving platform for all your files, applications and machines.



Key Features & Benefits

Cloud Spillover

Efficiently manage your backup and DR storage costs by keeping the most recent or important backups on the local appliance, with the remainder archived to the Infrascale cloud. Local and replication retention policies are managed separately allowing more effective use of your local and offsite appliance storage allocation.

Failover to the Cloud

When using our Cloud Failover Services for Windows or Linux machines, administrators can right-click backups and choose any version of a machine's backup to be booted and run directly in the Infrascale cloud, with RDP access to aid businesses in their goals of minimizing downtime.

Hyper-V & VMware Agentless Backup & DR

The CFA supports an agentless approach to backing up and recovering VMware and Hyper-V environments. Backup physical machines and recover them to existing hypervisors, or recover VMs as physical machines (P2V and V2P recovery support). Set policies to automatically protect newly created VMs to save additional time, money and reduce risk of downtime due to human error.

Local Disaster Recovery

Windows and Linux systems that have been backed up onto the Cloud Failover Appliance can be run directly on the appliance by simply right-clicking a backup and selecting "boot." In a matter of minutes, administrators will have VNC access to a live running machine. Once ready, the machine(s) can be powered off, backed up and recovered to production environments, including recovery to an existing vSphere environment.

DR for Linux

If you're running Linux VMs within your VMware environment, you can failover locally or to the cloud. This DR functionality is supported for the latest Red Hat, SUSE, Ubuntu, CentOS, Debian, Oracle and Fedora Linux Server OSs. Standalone Linux machines can be protected with our Linux agents.

Central Deployment and Management

Appliance backup settings and schedules as well as recoveries can be accessed over the WAN from a central management console or limited to LAN/VPN access for environments requiring greater security.

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Key Features & Benefits (Cont.)

Deployable on Your Own Hardware

The Cloud Failover Appliance is available as a VMware and Hyper-V virtual machine. The VMware appliance supports all of the software functionality of the physical appliances, the Hyper-V appliance supports all of the functionality except for local boot. The VMware appliance is appropriate for those users who wish to offer DRaaS services to their clients while using their own VMware-based data center infrastructure.

Full and Granular Recovery

Utilizing universal VSS writer support, the Cloud Failover Appliance is capable of backing up databases like SQL, SAP and Exchange with additional support for mailbox level recovery of Exchange databases and file-level recovery for your disaster recovery backups of Windows and Linux machines.

Secure, Offsite Replication

The Cloud Failover Appliance replicates backups to the Infrascale cloud or to secondary appliances using byte-level replication for maximum efficiency. The replication is secured with a AES-256 encryption to protect data against unauthorized access during data transfer.

Major Features and Functions

- GRANULAR BACKUP & RECOVERY
  - Windows 2003+
  - Microsoft Exchange 2003, 2007, 2010, 2013
  - VMware & Hyper-V
  - Major Linux
- FULL, DIFFERENTIAL, INCREMENTAL
- REPLICATION
- LOCAL BOOT
- CLOUD BOOT
- VERSION HISTORY
- DATA DEDUPLICATION
- CENTRAL MANAGEMENT CONSOLE
- PHYSICAL-TO-VIRTUAL RECOVERY

Supported Systems

MAJOR WINDOWS SERVER OS

Windows 2003
Windows 2008, 2008R2
Windows 2012, 2012R2

MAJOR LINUX SERVER OS

Red Hat Enterprise Linux (RHEL) 5.1 - 5.11, 6.1 - 6.6, 7.0 - 7.1
SUSE Linux Enterprise Server 11 - 12
Ubuntu 12.04, 12.10, 13.04, 13.10, 14.04, 14.10, 15.04
CentOS 5.1 - 5.11, 6.1 - 6.6, 7.0 - 7.1
Debian 6.0.0 - 6.0.8, 7.0.0 - 7.8.0, 8.0.0
Oracle Enterprise Linux 6.1 - 6.6, 7.0 - 7.1
Fedora Server 19 – 21

SQL DB

SQL 2005
SQL 2008

EXCHANGE DB

Exchange
2003, 2007, 2010, 2013

VMWARE

vSphere ESXi
4, 5, 6

HYPER-V

Win 2008R2+

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Specifications for Physical Appliances

Feature/Model	1200	1500	2700	4500
Usable storage	4 TB	2-8 TB	12-36 TB	40-80 TB
Backup & restore speed (1 GB Ethernet)	150 GB per hr.	200 GB per hr.	700 GB per hr.	1 TB per hr.
ARCHITECTURE: Processor, Memory, Network, Disk				
CPU	Intel Core i3	Intel Xeon E3	Intel Xeon E3	Intel Xeon E5620
Memory	16 GB 1600MHz DDR3	16 GB 1600MHz DDR3	32GB 1600MHz DDR3	48GB 1600MHz DDR3
1 GB Ethernet ports	2	2	4	6
10 GB Ethernet ports	n/a	n/a	n/a	2 (optional)
Solid state storage	Intel Pro 2500 Series 120 GB SATA 6Gb/s	Intel Pro 2500 Series 180 GB SATA 6Gb/s	Intel 240 GB SATA 6Gb/s	Intel DC S3500 480 GB SATA 6 Gb/s
Hard disk drives (model)	4TB SATA 6 Gb/s 7200rpm	4TB SATA 6 Gb/s 7200rpm	4TB SATA 6 Gb/s 7200rpm	4TB SATA 6 Gb/s 7200rpm
Hot swappable Hard Disk Bays	1 HDD (not swappable)	4 HDDs	12 HDDs	24 HDDs
Solid State Bays	1 SSD	1 SSD	2 SSD	1 SSD
RAID level	n/a	5	5 or 6	5 or 6
Archive drives	0	1	1	2
DIMENSIONS				
Form factor	1U	1U	2U	4U
Width x Depth x Height (in.)	12.7 x 19.8 x 1.7	17.2 x 19.8 x 1.7	17.2 x 25.5 x 3.5	17.2 x 26 x 7
Weight	38	38	52	75
POWER				
Watts	260 W	350 W	920 W	1200 W
Voltage	100 - 240 V			
Frequency	260 W	50 - 60 Hz	50 - 60 Hz	43 - 63 Hz
Power supplies	1 x 260 W	1 x 350 W	2 x 480 W	2 x 600 W

Specifications for Virtual Appliances

Delivery Options	A downloadable VM will be provided in a preferred format in the following options: OVA, EVB, OVF Licensing flows do not change for physical versus virtual appliances.
Hardware Specs	We recommend the same requirements as listed above for our Physical Appliances.
Hypervisor Support	All options require hardware virtualization support VMware ESXi 4 (note* does not support local boot of VMs) VMWare vSphere ESXi 4 VMWare vSphere ESXi 5.1+ VMWare vSphere ESXi 5 Hyper-V 2008R2, 2012, 2012R2 (note* these do not support local boot of VMs)

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CFA Feature Comparison Guide

Primary Appliance	Replication	File Recovery	Baremetal Recovery	DR Local Boot	DR Cloud boot	Block Level Replication	Cloud Spillover
Physical DPA							
CFA	*NA*	●	●	●	○	○	○
CFA	*Paired CFA*	●	●	●	◕	●	○
CFA	*Infrascale Cloud*	●	●	●	◕	●	●
Virtual DPA running on VMware							
vCFA (Vmware)	*NA*	●	●	◕	○	○	○
vCFA (Vmware)	*Paired CFA*	●	●	◕	◕	●	○
vCFA (Vmware)	*Infrascale Cloud*	●	●	◕	◕	○	●
Virtual DPA running on Hyper-V							
vCFA (Hyper-V)	*vCFA (Hyper-V)*	●	●	○	○	○	○
vCFA (Hyper-V)	*Paired CFA*	●	●	○	○	●	○
vCFA (Hyper-V)	*Infrascale Cloud*	●	●	●	◕	○	●

◕ = *Some exceptions apply*

* *This table doesn't includes functinality for AS400/AIX services*

What's New?

Product Release	*Release Note*	*Date*
CFA 6.7		*December 2015*

GET A DEMO

See Infrascale's rapid push-button failover in a live, personalized demo with our solution consultants.

CONTACT US

HOW TO BUY

Need a quote? Need help finding an Infrascale Reseller?

Contact us at **1-877-896-3611** and one of our DR and backup consultants can provide a custom quote or direct you to a qualified reseller.

About Infrascale

Infrascale is a provider of the most powerful disaster recovery solution in the world. Founded in 2006, the company aims to give every company the ability to recover from a disaster- quickly, easily and affordably. Combining intelligent software with the power of the cloud is how Infrascale cracks the disaster recovery cost barrier without complex, expensive hardware enabling any company to restore operations in minutes with a push of a button. Infrascale equips businesses with the confidence to handle the unexpected by providing less downtime, greater security, and always-on availability.