

Acronis

Acronis Disaster Recovery Service

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Acronis patented technologies

Technologies, used in this product, are covered and protected by one or more U.S. Patent Numbers: 7,047,380; 7,275,139; 7,281,104; 7,318,135; 7,353,355; 7,366,859; 7,475,282; 7,603,533; 7,636,824; 7,650,473; 7,721,138; 7,779,221; 7,831,789; 7,886,120; 7,895,403; 7,934,064; 7,937,612; 7,949,635; 7,953,948; 7,979,690; 8,005,797; 8,051,044; 8,069,320; 8,073,815; 8,074,035; 8,145,607; 8,180,984; 8,225,133; 8,261,035; 8,296,264; 8,312,259; 8,347,137; 8,484,427; 8,645,748; 8,732,121 and patent pending applications.

Term	Definition	Context
Acronis Hub	see cloud hub manager	infrastructure filter
activate	you must activate a virtual server before you can use it; the hypervisor commits resources to the virtual server based on its configuration and starts the operating system or software that is installed on the virtual server	a virtual server
administration console	the UI for the administration of a software application	
agent	transfers data continuously to secondary storage where backup operations are executed without any impact on production environments	FalconStor DiskSafe
alert	message initiated automatically in response to pre-defined conditions	Dashboard
BC/DR	Business Continuity/Disaster Recovery	
block	a sequence of bytes or bits, having a nominal length (a block size) used to structure data	Data Growth Widget
block storage	physical or logical data volumes accessed via block I/O	Data Growth Widget
bootable	capable of being booted up; a (virtual) server can be booted automatically after it is powered on	Servers
CAFS	Cloud Archiving File System, a file-level backup and recovery server of type File Archived	Administration, Maintenance, Locations
case		Summary, Open Cases
CDP	Continuous Data Protector, a FalconStor product that receives and manages data snapshots from the customer's servers; resides on the LCA	resides on LCA
certification	process of testing a continuity server for use that ensures that server will be recoverable in the event of a disaster; a server is manually certified after it is activated, powered on, and the Windows Ctrl+Alt+Del screen is accessed indicating the server can be logged onto	certified continuity server; Summary
CIFS	Common Internet File System, operates as an application-layer network protocol mainly used for providing shared access to files, printers, serial ports, and miscellaneous communications between nodes on a network; used by Microsoft Windows, addresses are represented with a path defined as server/share	Data Growth Widget
Cloud Console	this is an earlier, deprecated word for Recovery Console	
cloud hub manager	aka Acronis hub aka local cloud appliance manager (LCAM), it is a virtual server installed on the LCA that manages the CDPs	infrastructure filter (as Acronis Hub)
cloud storage	a model of networked online storage where data is stored in virtualized pools of storage which are generally hosted by third parties	
connectivity	the condition of two server/storage locations being able to exchange data, typically measured in Kbps	Dashboard

Term	Definition	Context
continuity server	a server in the remote cloud that is used for data backup and replication; can be “spun up” (activated and promoted) when the origin server fails	
DAS	direct attached storage, a digital storage system directly attached to a server or workstation, without a storage network in between. It is a retronym, mainly used to differentiate non-networked storage from SAN and NAS. An example of DAS is the hard drive in your laptop computer.	
data deduplication	the process of removing duplicate blocks of data inside a storage unit	
disk mirroring	the replication of logical disk volumes onto separate physical hard disks in real time to ensure continuous availability. Mirroring is typically only synchronous. Synchronous writing typically achieves a Recovery Point Objective (RPO) of zero lost data.	
DR	disaster recovery; the term is often used to refer to an event which requires data recovery or failover	
entitlement	the storage and servers leased by the customer	Dashboard
ESX	VMware ESX (and ESXi) is a bare metal embedded software hypervisor for guest virtual servers that runs without requiring an additional underlying operating system	Summary, LCA Utilization
event	a software message indicating that something has happened, such as a user logon or server activation	Dashboard, Monitoring > Events
failback	the process of restoring a system, component, or service from a state of failover back to its original state (before failure)	
failover	the switching to a redundant or standby computer server, system, hardware component or network upon the failure or abnormal termination of the previously active application, server, system, hardware component, or network; for Acronis, failover is usually initiated at the failure of a specific client’s server or network.	
GB	gigabyte	Summary, LCA Utilization
host	host machine, a physical computer on which a hypervisor is running one or more virtual machines	
hypervisor	computer software, firmware, or hardware that creates and runs virtual machines; aka virtual machine monitor (VMM)	
IOPS	input/output operations per second, a common measure of storage system performance (but not conclusive because there is no standard way to measure it)	
IQN	iSCSI Qualified Name, the format is documented in RFC 3720; an example is: iqn.1992-01.com.example	

Term	Definition	Context
iSCSI	Internet Small Computer System Interface, an internet-based form of SCSI that usually uses Ethernet as its physical transport, but can run over any physical transport capable of transporting IP; in other words, SCSI over IP; used to access SAN storage over an IP network	
iSCSI storage	a storage area network (SAN) accessible over wide-area networks with TCP	
L2TP	Layer 2 Tunneling Protocol is a tunneling protocol used to support virtual private networks (VPNs)	
LCA	Local Cloud Appliance	
local cloud	the virtual servers associated with the LCA	infrastructure filter
Local Cloud Appliance	an appliance server which runs VMWare's ESX software and provides an environment for virtual machines, including local storage servers, the local cloud hub manager, and any replicated servers that are activated locally; has direct-attached storage (DAS)	thanks to Richard
location	physical location of Acronis cloud servers, can be local (with the customer) or remote (in one of Acronis data centers)	RPO Widget
LUN	logical unit number, an industry term that refers to a data storage unit; a term referring to a device addressed by the SCSI protocol	
mirror	an exact copy of a data set	
mirroring	a type of file synchronization	
mountable	capable of being presented or assigned to a device (virtual or physical machine)	DiskSafe snapshot
MPLS	Multiprotocol Label Switching, a mechanism in telecommunications networks that directs data from one network node to the next based on short path labels rather than long network addresses, avoiding complex lookups in a routing table	
NAS	network-attached storage	
NFS	Network File System, a distributed file system protocol allowing a user on a client computer to access files over a network in a manner similar to how local storage is accessed	Data Growth Widget
onboarding	the process by which new employees acquire the necessary knowledge, skills and behaviors to become effective organizational members and insiders	
policy	aka retention policy	when changed can initiate an event
primary server	a virtual server usable by the customer at any time, typically used to host network services like Exchange; can be on the LCA or the remote cloud. The customer's Domain Controller must be maintained on a remote primary server and protected to the LCA.	

Term	Definition	Context
prospect		Partner Section
protection	the customer's primary storage is considered protected when its backup process is operating	
provisioning	the process of preparing and equipping a telecommunications network or computer to allow it to provide (new) services to its users	
quiescent	"a state where the file system and underlying block level changes are in a consistent state" [needs work]	
RDP	Remote Desktop Protocol is a proprietary protocol developed by Microsoft, which provides a user with a graphical user interface to connect to another computer over a network; used to access a virtual server	
recovery point objective	a term defined by business continuity planning, it is the maximum tolerable period in which data might be lost from an IT service due to a major incident; this is a time interval, typically expressed in a number of hours; typically this is the time between snapshots	Dashboard
recovery time objective	duration of time and a service level within which a business process must be restored after a disaster or disruption	
replication	the process of copying recovery points and transmitting them to a secondary location for the purpose of disaster recovery; it begins with seeding	
reserved capacity	the amount of storage reserved and prepaid by customer	Storage
retention policy	specifies frequency of snapshots and how long they are retained	Servers
RPO	recovery point objective	
RPO age	age of latest snapshot	Summary, RPO Details
RTO	recovery time objective, the maximum tolerable length of time that a computer, system, network, or application can be down after a failure or disaster occurs; the maximum time that recovery can take	
runbook	written instructions for standard processes such as backup and recovery	
SaaS	software as a service; a software delivery model in which software and associated data are centrally hosted on the cloud, or remotely using software located on someone else's hardware	
SAN	storage area network, a dedicated network that provides access to consolidated, block level data storage	
SCSI	Small Computer System Interface, a set of standards for physically connecting and transferring data between computers and peripheral devices	
seeding	the first step in replication, it is the initial copy of deduplicated block data	

Term	Definition	Context
server state		Servers help topic
snap	to take a snapshot of the contents of a storage device	Server — Restore Previous Backup
snapshot	copy of file contents taken at a particular point in time; all but the first snapshot for a server includes only data changed since the previous snapshot, this is called an incremental or delta snapshot	
solution		category of Support
spin down	process begins with a manual Power Off followed by a manual Deactivate	virtual server
spin up a server	create a virtual server; the process begins with manual activation of a virtual server followed by automatic power on; after a server has been spun up, it is running	virtual server
spin-up	the process of a traditional (non-solid state) hard disk drive accelerating its platters from a stopped state to an operational speed	hard drive
storage	data storage device, a device for storing data in electronic format	
tag	customizable tool available for customers to filter the list of servers	Servers, server filter
TB	terabyte, one trillion bytes or one thousand gigabytes	
thin provisioning		
ticket	work request initiated by customer	
tier	way to group servers	storage, RPO Widget
TimeMark	a technology of FalconStor that creates a point-in-time delta snapshot copy of a data volume; this provides the ability to quickly recover a single file or an entire volume to a known good point in time	snapshots
user access role	applications commonly allow access to authorized users only, application access is controlled in terms of user roles which have particular permissions to perform certain operations; individual users are assigned a role through which they inherit permissions	access authorization
virtual console	a user interface for multiple computer consoles on one device	
virtualization	enables several operating systems and applications to run on one physical server or host machine; each self-contained virtual machine is isolated from the others	
VLAN	virtual local area network (LAN); there can be one VLAN for each NIC	
VMFS	Virtual Machine File System, VMware, Inc.'s cluster file system	
VMRC	virtual machine remote console	individual server

Term	Definition	Context
VMRC	VMware Remote Console	
VMware, Inc.	a corporation providing virtualization and cloud computing infrastructure	
volume	aka logical drive or partition, is a single accessible data storage area with a single file system	
VPN	virtual private network, it extends a private network across public networks like the Internet	
zone	geographical region (group of adjacent states), there are five zones in America defined by Acronis, only bootable servers of type remote recovery can be assigned to a zone. Testing support for disaster recovery is provided by zone.	server