

# NovaStor DataCenter

Powerful, reliable and infinitely scalable Network Backup Software

Novastor DataCenter uses a single pane of glass to manage your entire network. Whether Windows or Linux, physical or virtual machines - its powerful engine and ease of use make it the preferred solution for enterprises and small businesses alike.

The key to DataCenter's impressive performance and scalability is in its architecture. Features such as multistreaming and redundant metadata vastly enhance the reliability of data restoration. With multi-tenancy functions customers have the option to setup multiple locations, departments, and users within a company's backup infrastructure while preserving complete hardware independence.

## Technical Features:

- ✓ Intuitive **Central Management**
- ✓ Back up heterogeneous IT-environments, physical and virtual (Windows / Linux)
- ✓ **NEW:** Optimized support for VMWare and Hyper-V
- ✓ Peak performance, data availability and stability
- ✓ Efficient workload balance for every storage device
- ✓ **NEW:** Support for the latest technologies including Windows Server 2016, MS SQL 2016, Exchange 2016
- ✓ Reduced backup windows with multistreaming and distributed metadata

## Core Benefits:

- ✓ Reduced backup and restore windows
- ✓ Maximum data availability in day-to-day-operations
- ✓ Minimum costs of operation (TCO) / maximum return on investment (ROI)
- ✓ Storage agnostic for hardware independence
- ✓ Efficient workload balance for every storage device
- ✓ NovaCare US based telephone and email support, direct from the manufacturer



# NovaStor DataCenter - Network Backup & Restore

## Less effort, less complexity - higher data availability

<b>Reliability</b>	Fault tolerant mechanisms: Datacenter's architecture verifies a backup using several redundancy strategies. As meta data is kept separately the restorability of the backup is always guaranteed.
<b>Robust Communication</b>	Backup and Restore continues to run even if the central management is unavailable. Centralized backup management for branch offices and remote locations is available.
<b>UPDATED 1-Stop Backup Deployment</b>	Remotely install clients directly from the GUI. Share a backup job on any number of Clients in one step.
<b>Support for failover media pools</b>	Less manual intervention, better availability: If a backup media or backup server is unavailable, backups are automatically sent to fail-over resources.
<b>Cluster Support</b>	Less downtime: Support of cluster configuration ensures optimal availability of production applications.
<b>ATAP Restore</b>	Any Time Any Place Restores: A direct restore is possible even when client is offline - using only the backup medium and a drive.

## High flexibility, more security - more alternatives to secure data

<b>Disk 2 Disk</b>	Efficient storage utilization: Fast, parallel backup and restore to disk.
<b>Disk 2 Disk 2 Tape</b>	Save resources, time and effort: Efficient storage and staging concepts for optimal use of resources. Support includes virtual tape libraries.
<b>File System, Raw, Image and Pipe Backup, Snapshot</b>	Maximum flexibility: Whether individual files, whole disk partitions or securing applications, DataCenter supports the most appropriate backup method.
<b>NEW Granular Restore</b>	Restore data from Microsoft Exchange (single mailbox), Outlook files, and SQL databases.
<b>Virtual Systems</b>	Economical use of resources: Flexible, multi-vendor support of physical and virtual server environments. Single item-level recovery and virtual machine replication for fast recovery.
<b>Logical Cloning</b>	Cost-effective protection in the event of the loss of individual backups: Making copies of selected backups on different backup servers and alternate site locations.
<b>Reporting</b>	Powerful, simple to use dashboard with clear GUI and e-mail reporting. Export in HTML, XML, etc. for a smooth integration into third party systems.
<b>User Management</b>	Setup and maintain multiple locations, departments, and users. Assign rights to let users see only the information they truly need, eliminating irrelevant content from cluttering the GUI. Ensure that specific users cannot modify backup jobs, preventing potential data loss due to human error.

## Higher performance, less use of resources - lower costs for data availability

<b>High Performance Data Movers</b>	Minimizing system load while maintaining the highest data throughput: Optimized compression distributes the processing load to both the client and storage medium.
<b>Optimized Deduplication</b>	Reduce the size of backup data with deduplication. NovaStor's backup format optimizes and increases performance on deduplication hardware appliances and Server 2012 (R2) operating systems.
<b>Bare Metal Recovery incl. Universal Restore</b>	Relax-and-Recover (ReaR) Linux bare metal disaster recovery and continued DR support for Windows environments. Storage agnostic image backups: Restore complete systems to dissimilar hardware.
<b>Multiplexer</b>	Backup and Restore data with multiple data streams on one device along with backup of multiple servers to one device at the same time (tape library or disk).

## Compatibility

<b>Operating system</b>	All current Windows- and Linux-Systems with Enterprise version supporting UNIX, Solaris, HP / UX, AIX
<b>Application/ Databases</b>	Microsoft SQL, Microsoft Exchange, Microsoft Exchange DAG, Oracle, MySQL
<b>Virtualization Platforms</b>	VMware ESX/vSphere, Hyper-V
<b>UPDATED Storage-Devices</b>	All tape drives supported by the operating system (LTO, DLT, T10000 ...), disk systems (disk2disk-2Tape backup), NAS devices, all major library systems, virtual tape libraries, de-duplication appliances

### Backup & Restore for IT service providers and large enterprises

DataCenter Enterprise offers IT service provider and companies with large IT environments a backup solution for their high standards. Designed as a data protection solution for large amount of data, distributed environments or cloud architectures, it also supports applications like Lotus Notes /Domino, SAP, and includes features regarding long term data availability or Runbook Automation.

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