

# NovaBACKUP® xSP

## PROFESSIONAL CLOUD BACKUP PLATFORM FOR IT SERVICE PROVIDERS

NovaStor's software for Software-as-a-Service offerings enables professional cloud backup and managed backup services. Offer your customers more than online backup. Offer them the peace of mind that comes with turn-key data protection and business continuity with automatic local and offsite backup, plus image based local disaster recovery.

### Why NovaStor?

- We are industry experts who can act as a consultant for your SaaS backup business.
- Our teams in the U.S. and Europe support you in your time zone, in your language, and with the knowledge of your market.
- From price list to company structure, we believe in simplicity and transparency so you can budget wisely and plan accordingly.
- We listen to you and invest heavily in research & development to make your business successful.
- We have been true to our business principles and committed to developing world-class backup and restore software for more than 10 years.

### Benefits for Service Providers

- ✓ Remote, central management of all customer installations up to file level
- ✓ Support for Microsoft Windows, Exchange, SQL, Hyper-V and VMware
- ✓ Individually rebranded interface
- ✓ Service customers manage local backups, offsite backups and disaster recovery images from the same interface
- ✓ Flexible choice of storage device and location
- ✓ Innovative seed license program helps you gain new customers and reduce your customer acquisition cost
- ✓ Simple licensing eliminates additional costs for SQL/Exchange agents etc.
- ✓ Web based restore allows your clients to access their data anywhere they have an internet connection
- ✓ 256 bit end-to-end AES encryption keeps sensitive customer data safe and secure
- ✓ Replication for full data availability



## More than a software license

For more than a decade, NovaStor has helped thousands of MSP's, VAR's, hosting companies, and IT solution providers launch and operate successful backup and recovery services. There are many options when it comes to offering data protection services and it can be difficult to know which model is best for you.

In addition to offering a powerful platform for the provision of a backup service, NovaStor can also provide partners with valuable market information and business model training. NovaStor offers information and advice through whitepapers, personal consultations, and other resources to help you better define your target market and customer requirements.

Once you have a clear vision of how your backup business will operate, you will be better prepared to evaluate how our technology can support it.

## Core Components

NovaBACKUP xSP is a client server architecture that enables professional, secure and reliable services for local and online backup with seamless and unlimited scalability. The basic NovaBACKUP xSP installation consists of the two core components:

### NovaBACKUP xSP Storage Server



- End-to-end AES encryption
- Efficient use of bandwidth and storage infrastructure
- Simple administration
- Seamless scalability
- API for integration into the existing infrastructure
- Replication to protect customer data on the storage server
- DR Manager for offline data transfer on physical storage media

### NovaBACKUP xSP Client



- Local and online backup plus image DR
- Award-winning, easy-to-use interface
- Customization (Rebranding)
- Virus protection
- Support for Microsoft Windows, SQL, Exchange
- Support for virtual machines (VMware, Hyper-V)
- Web restore for flexible data access
- Offline restore from physical storage media for disaster recovery and huge data loads

## Optional Components

There are also several optional components that can be added to the core installation of NovaBACKUP xSP.

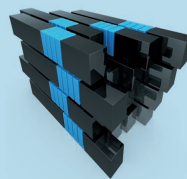
### Central Management Console



Central administration and monitoring of all connected NovaBACKUP xSP clients

- A stand-alone, web-based management application
- Remotely create, modify and schedule backup jobs
- Backup policies for groups of clients
- User and access management

### Remote Manager



Remote management of unlimited Storage Servers and full integration in the existing infrastructure (SOAP interface)

- Command-line & full application programming interface (API)
- Web-based administration for backup server(s)
- Complete remote management

### Commerce Server



Offer online storage in a customer-friendly manner directly from the user interface.

- In-product provisioning
- Full control over product offerings
- Capture user registration information
- Automatically configures and connects client software

### Product Builder



Customize the user interface to your branding and design

- Wizard-based web portal
- Simply load your graphics into the web interface

## Managed Services Enabled

For several years, the IT market has seen one major growth segment: **Managed Services.**

IDC analysts estimate that **40%** of all software installations will be delivered as **Managed Services** by 2011. By 2013, the Software-as-a-Service market will have achieved a volume of roughly \$ 25.6 billion.

NovaStor's new Central Management Console enables NovaBACKUP xSP service providers to **participate in the growth market** by offering fully managed backup services.

## Central Management for NovaBACKUP xSP

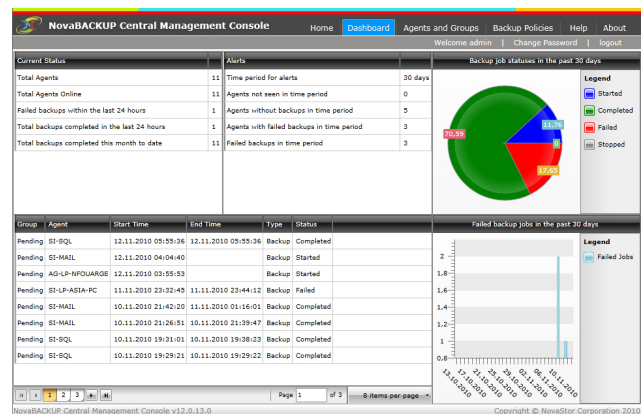
The central management console allows users to manage the backup and restore processes for any number of customer installations via one central web-based interface, on a LAN or through the Internet. Featuring an easy-to-use interface based on the award winning NovaBACKUP GUI the component guides administrators through the creation, modification and scheduling of backup jobs.

The central management console allows viewing, monitoring and administrating all NovaBACKUP xSP installations from a single interface. A dashboard provides easy-to-read status reports of all connected NovaBACKUP nodes. The NovaBACKUP clients may also be organized into custom groups, making it easy to proactively monitor all customer backup jobs.

## How to manage your service

Managed services are the most convenient and reliable way to protect customer important data. The Central Management Console facilitates the provision for fully managed backup service with an easy web interface that comprises all necessary functions.

- Easy-to use interface for quick management of local and off-site customer backups
- Remote setup, automation and administration for providing full service without going onsite
- Web interface to allow access from any location at any time
- User and access management for several administrators either with the service provider or the customers
- In-depth monitoring as well as a clear dashboard for at-a-glance views of all installations



The dashboard provides a clear overview over all connected NovaBACKUP clients

## Benefits that convince your customers

End users receive a fully managed backup service that requires no interaction with the backup application. The Central Management Console enables the service provider to function as an outsourced backup administrator.

- Data protection can be completely outsourced to a professional service provider
- Customers need no training and no IT expertise
- On demand backups and restores

The service with NovaBACKUP xSP supports Windows operating systems, SQL, Exchange, Hyper-V and VMware and allows end users to choose freely whether to store data on a local storage device or off-site with the service provider.

# Features and Benefits of NovaBACKUP xSP 12.2

## Benefits for service providers

<b>Fast implementation</b>	The software is easy to install and deploy
<b>Central Management</b>	Stand-alone, remote management of any number of clients up to file-level from a single, web based interface
<b>Customization</b>	NovaBACKUP xSP comes with a rebranded interface
<b>Ease of use</b>	Customers create and access their own accounts via the Internet 24*7
<b>Easy administration</b>	User groups and profiles are centrally managed
<b>Economic user authentication</b>	An integrated database authenticates users, eliminating the need to invest in external authentication platforms
<b>Disk Spanning</b>	Reduce your storage costs and seamlessly scale the storage for your customers by easily adding new storage devices
<b>Replication</b>	Replication allows service providers to protect customer data on the storage server and increases data availability
<b>Efficient bandwidth use</b>	Bandwidth throttling ensures efficient use of available resources
<b>Local technical support</b>	U.S. and German based support teams give you a higher level of support than other vendors

## Benefits for service customers

<b>All-in-one</b>	Whether users wish to store data off-site, to create a local image or to store backups locally – one application offers all and one interface is all users need to handle
<b>Ease of use</b>	2-step-wizard helps inexperienced users schedule data backup jobs
<b>TimeSlider</b>	TimeSlider speeds the restore with an innovative technology automatically assembling all files and storage devices needed to restore a certain state
<b>NEW Seamless Offline Restore</b>	Seamlessly transfers exceptionally large data volumes on a transport device from provider to customer. A unique wizard ensures compatibility of online and offline backup and restore
<b>NEW FastBIT 3</b>	High speed and low bandwidth use with block level technology
<b>Safe data transfer</b>	256 bit end-to-end AES encryption guards against unauthorized access during transmission and storage
<b>Reliable automation</b>	All processes can be automated so that users do not have to remember to back up their data including open files
<b>NEW Cloud Restore</b>	Customers can sign-in at the provider's web portal to restore data directly from the cloud – anytime, anywhere
<b>Complete protection</b>	A single service protects Office data, SQL databases, e-mail (Exchange) and virtual environments
<b>Reports</b>	Users can view reports about the status of backup jobs

## Systems Supported

<b>Storage Server</b>	Windows 2003 Standard/Enterprise SP2 (32/64 Bit), Windows 2008 Server Standard/Enterprise SP2 (32/64 Bit), Windows 2008 Server R2 SP1
<b>Client</b>	Windows 7 SP1 (32/64 Bit), Windows Vista SP2 (32/64 Bit), Windows XP SP3 (32/64 Bit), Windows 2003 Standard/Web/Enterprise/SBS SP2 (32/64 Bit), Windows 2008 Server SP2 (32/64 Bit), Windows 2008 Server R2 SP1, Windows SBS 2011
<b>NEW Virtual Machines</b>	Hyper-V, VMware ESX(i) 4.0+ servers and vSphere licensed with the vStorage API's
<b>Microsoft SQL / Exchange:</b>	SQL 2003 SP2a, SQL 2005 SP4, SQL 2008 SP2, Microsoft SQL 2008 R2 and SQL Express Exchange 2003 SP2, Exchange 2007 SP3 and <b>NEW</b> Exchange 2010 SP1

## System Requirements

<b>Storage Server</b>	Dual Core processor or better, 2GB of RAM minimum, 20GB free hard drive available space on system drive, Internet Explorer 7.0 or higher, TCP/IP network. Connection to SQL server for the database is needed. To ensure stability, the system should run no non NovaBACKUP xSP related applications or services, such as Exchange, FTP, other databases than the NovaBACKUP xSP database, or anything else that is not necessary for the Storage Server and other xSP services to function.
<b>Central Management Console</b>	Pentium 4 or better, 512 MB of RAM minimum, 3 GB free hard drive available space on system drive. Web Server (IIS or built in web server), Microsoft SQL (or bundled SQLite), Internet Explorer 7.0 or higher, TCP/IP network, .NET 3.5 SP1, .NET 4, Windows PowerShell 1.0.
<b>Client</b>	Pentium 4 or better, 1GB of RAM minimum, 3 GB free hard drive available space on system drive, plus storage space for backups, Internet Explorer 7.0 or higher, TCP/IP network. Full installation size is approximately 300 MB. Drive where the work folder is located for the software needs 2 times the free space of the largest file that is backed up.
<b>Local Backup Devices and Media:</b>	External hard drives, USB 1.1 / 2.0 / 3.0, FireWire, CD-R/W, DVD-R/W, DVD+R/W, Blu-Ray/Dual Layer, network storage (SAN, NAS, mapped network drive, UNC path, etc.), tape, PC Card (PCMCIA)
<b>For image DR</b>	Bootable CD/DVD recorder and CD/DVD media and one of the following operating systems: Windows XP, Vista, Windows 7, 2003 or 2008



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