

# Storage and Backup Operations Made Easy

WIZARDS STORAGE PORTAL<sup>®</sup>

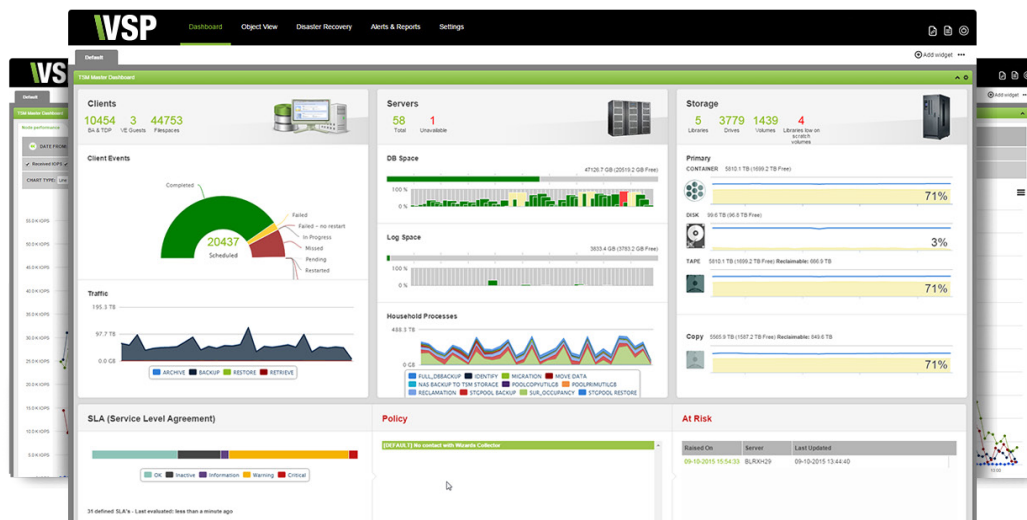
## Reduce Workloads and Stay in Charge of Your Data

Wizards Storage Portal® is a flexible SaaS solution that enables you to automate and manage your storage and backup environments.

The solution offers data insights and 24/7 monitoring, making storage and backup procedures simple, secure, and well-documented.

Wizards Storage Portal® offers a simple and modern interface with self-service, reports and business insights, allowing easy API integration with your own systems.

Get ready to reduce complexity and improve resource management for business-critical IT tasks.





## Insights and Automation

With real knowledge, alerts, and early warnings you can act timely and allocate the right resources for your storage and backup operations. Also, you gain valuable insights on IT performance and on historical data.

Monitor your data around the clock. It is easy to implement, integrate with other systems and customize. What is more, monitoring is highly efficient because:

- It is automated according to user-defined policies
- Setup is configurable per user and easy to adjust when new needs arise
- Automatic alerts can be sent via SMS, e-mail and the web portal
- Integration with other system management tools is smooth and easy

Wizards Storage Portal® takes care of the monitoring of the backup system, analyses data, and if errors or deviations occur, this is reported back to you via SMS, e-mail, or the web.

### Self-Service

**Wizards Storage Portal® offers a simple user interface and self-service options. Here, users within the organization can autonomously initiate tasks, e.g create nodes or create users.**



## Automatic Monitoring Saves Time

Traditionally, careful operation of a backup system required spending time reading long log files. What is more, if you did not find any errors, the time spent was wasted.

In addition, information could disappear amidst the mass of data. The disappearance of an individual backup job, for example, is easy to overlook in a long list.

Automatic monitoring, on the other hand, has many advantages:

- It saves time that can be spent on other tasks
- Monitoring is more uniform and thorough
- Lack of activity is discovered
- Errors are noticed faster – typically within a few minutes
- Monitoring is not dependent on active personnel



## Backup Reporting

From traditional reporting to automated reporting based on policies and real-time reporting via the web, Wizards redefines backup reporting with:

- Daily reporting via e-mail
- Event-driven reporting (24/7/365)
- Real-time reporting via web portal or management API

Classic backup reporting typically consists of a report being sent once a day in the form of an e-mail. But since backup and filing can take place many times a day, organizations have greater needs for their backup reporting.

### Typical use Cases

- Which backup nodes consume the most storage capacity?
- How was the last 14 days of backup for my SQL servers?
- Which nodes are actually being used?
- Which nodes are registered within the last three months?



## Management API

The management REST API enables simple and non-intrusive integration without compromising IT security, and at the same time an audit log tracks changes in system. All relevant Wizards Storage Portal functionalities are accessible and can be integrated via the REST API. Relevant functions can be operated, and data monitored in web portals, applications or support ticketing systems.

- Ease-of-use, relevant users can access relevant information without having to change system
- Security: no access without privileges
- Audit log, always tracking changes
- Automation and management

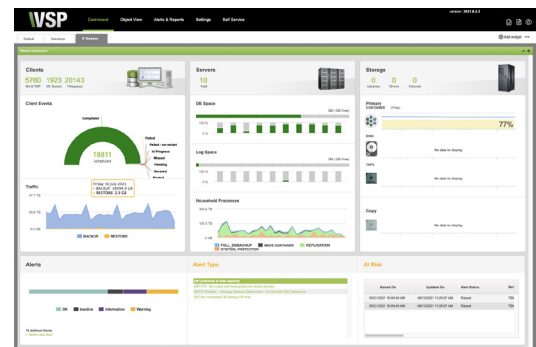
Relevant data sources displayed in the WSP are also available through the Export API for display in other applications.



## Top Features

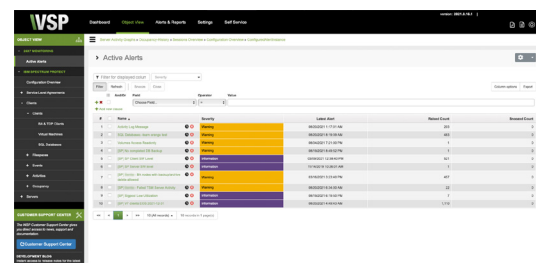
### User Configurable Dashboard

The entry point on WSP is the Status page, a highly configurable widget-based dashboard. The Status page can be set up individually for each user. Depending on the users interest area or what he or she is responsible for, the relevant Widgets are placed and configured for that particular need on one single screen providing an immediate overview of the installation. Widget settings can be stored as collections, and shared with colleagues. All Widgets link to detailed reports in the "Object View" section.



### 24x7 Monitoring

One of the most popular time saving features in WSP is the highly configurable 24x7 monitoring system. WSP receives information from your TSM servers around the clock and evaluates the incoming information against a set of pre-defined policies. The pre-defined policies will be enough in most cases but you can modify or extend the monitoring policies with very detailed granularity to fit the needs outlined in your companies SLA's. So instead of seeking information about problem areas, you can shift your focus to other tasks until WSP notifies you about issues that require your attention. Notifications are delivered via email or text messages (SMS).

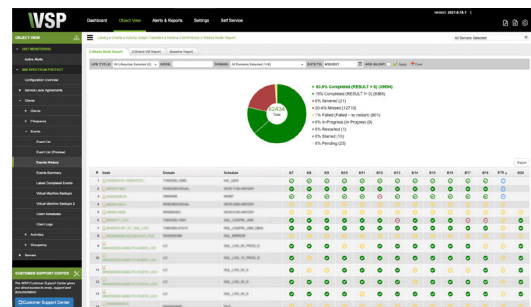


Alert ID	Alert Name	Alert Type	Alert Status	Alert Date	Alert Count	Alert Detail
WSP-000001	WSP-000001	WSP-000001	Active	2013-10-10 10:10:10	1	WSP-000001
WSP-000002	WSP-000002	WSP-000002	Active	2013-10-10 10:10:10	1	WSP-000002
WSP-000003	WSP-000003	WSP-000003	Active	2013-10-10 10:10:10	1	WSP-000003
WSP-000004	WSP-000004	WSP-000004	Active	2013-10-10 10:10:10	1	WSP-000004
WSP-000005	WSP-000005	WSP-000005	Active	2013-10-10 10:10:10	1	WSP-000005
WSP-000006	WSP-000006	WSP-000006	Active	2013-10-10 10:10:10	1	WSP-000006
WSP-000007	WSP-000007	WSP-000007	Active	2013-10-10 10:10:10	1	WSP-000007
WSP-000008	WSP-000008	WSP-000008	Active	2013-10-10 10:10:10	1	WSP-000008
WSP-000009	WSP-000009	WSP-000009	Active	2013-10-10 10:10:10	1	WSP-000009
WSP-000010	WSP-000010	WSP-000010	Active	2013-10-10 10:10:10	1	WSP-000010

## Two-week event history for BA & TDP Nodes and VMs

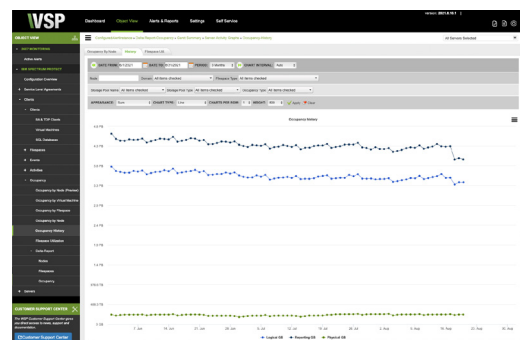
The Event History gives you the full picture for the last two weeks for all planned backup/archive events. Click once - and see a pop-up with detailed informations about that days events . Click twice - and go directly to that Node's Event page.

In WSP you can also configure a daily scheduled email that gives you an overview of the state of the backupjobs for the last 24 hours. Sorted and colorcoded for easy overview, right in your mailbox.



## Occupancy History

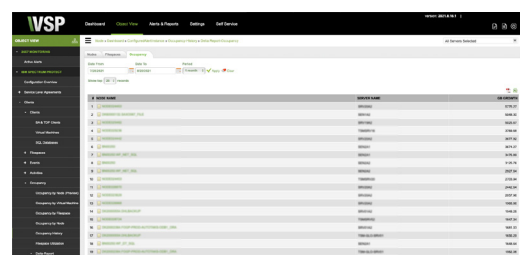
Occupancy History draws a historic occupancy graph for whatever domain, file space-type, storage pool or timeframe you may specify. An additional related feature is the Node Occupancy Growth wizard that compares occupancy levels between two different time periods. The policy can be set to either a minimum or maximum limit and then sends an automatic alert if the level is breached which helps the IT team become aware of abnormal growth immediately without having to pull multiple reports to find the same information.



## Delta Reports

Delta-Reports lists differences in your TSM system between two given dates. WSP stores historical data about TSM's performance, which enables you to document trends and changes in the system. Use delta-reports to track

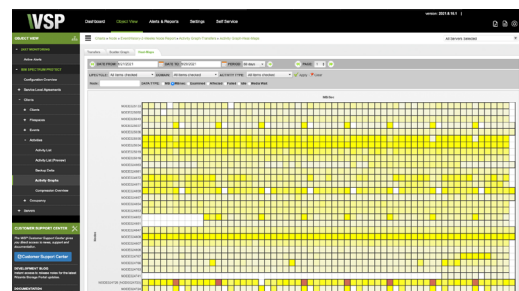
- New or discontinued nodes - practical when carrying out license audits.
- New file spaces - new drives might have been added or existing file spaces may have been renamed.
- File spaces with highest growth - reveal fast growing storage consumers.



- TOP-10 nodes with the highest occupancy growth.

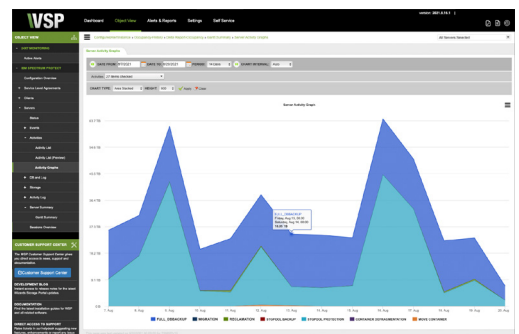
## Heat Maps

Heat Maps visualizes graphically TSM node activity and performance statistics on one screen or page. Heat Maps is a brilliant tool for discovering usage patterns in large datasets by providing a coloured heat map that lets you review up to 60 days activity. It allows you to easily pinpoint nodes that perform above or below average, or identify cyclic performance issues that would be hidden in traditional reports.



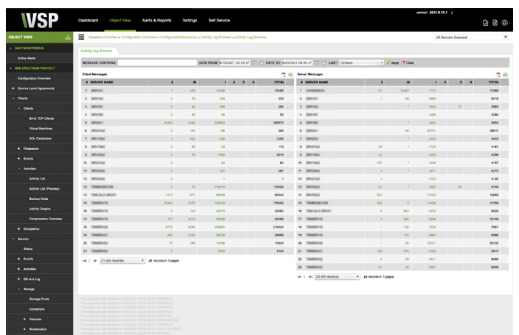
## Client and Server Activity Graphs

Client Activity Graphs offers a visualization of all client related activities such as backup, restore, archive and retrieve. And from here, you can drill-down further to look at activity log data, occupancy and much more. There are also scatter charts that allow you to locate client operations that are pattern breakers. Similar reports are available for visualizing Server based activities.



## Activity Log Browser

Spectrum Protect's (TSM) activity log reveals a lot of information IF you know what you are looking for. Unfortunately valuable information easily gets lost in the hundreds of thousands of log-entries. The Activity Log Browser is a unique analysis tool, that lets you overview an enormous amount of data. The Activity Log Browser report let's you drill down from Client or Server related messages all the way down to the actual messages from the Activity Log. The report also contains a powerful free-text search.



The screenshot shows the VSP Activity Log Browser interface. It displays a large table with multiple columns containing activity log data. The table is organized into sections, with a sidebar on the left for navigation. The top of the window shows the VSP logo and menu items. The table contains detailed information about client and server activities, including timestamps and specific operation details.



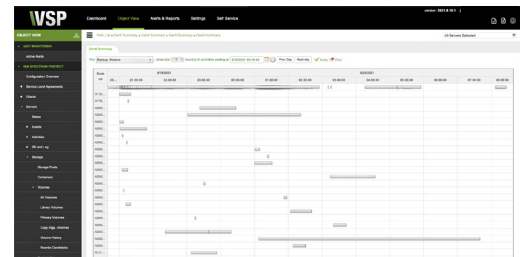
## Drive & Library Utilization

To document the workload of your tape drives and libraries, you can use the Gantt Summary to find idle periods.



## Gantt Charts

Gantt summaries produces a visualization of the last 24 hours of activities in relation to each other. It makes it easy to see if certain backups or processes overlap.



## Contact us

For more details on the Wizards Storage Portal®, feel free to contact us via email or phone. Our consultants will get back to you as soon as possible to answer any questions you might have.

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