



PVSR

PerformanceVisor

Unified Monitoring of Your IT Services

UNIFIED MONITORING OF YOUR IT SERVICES

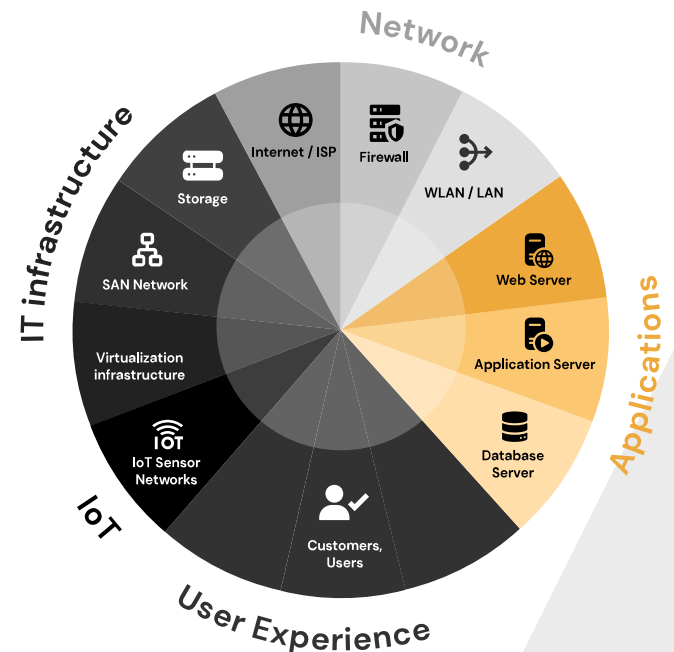


FOR ICT PROVIDERS AND CUSTOMERS OF THESE SERVICES

PVSR is a unified platform for comprehensive monitoring of service quality and performance, from end-user experience to applications, IT infrastructures, networks and IoT sensors. PVSR allows us to measure all parameters that contribute to the actual end-user experience and to measure the exact performance and availability of all components of an IT service. Such components are applications, databases, virtualized and physical infrastructures, storage devices, SAN networks built from storage devices, local and wide-area networks or various IoT (Internet of Things) sensor networks

What does PVSR provide a solution for?

The role of IT is changing faster than expected and is undergoing significant transformation unstoppably: large amounts of data, mobility and cloud services bring new changes and challenges every day. IT organizations must be able to manage these challenges. They become an internal service provider whose goals are closely tied to business success. Their value is measured based on the user experience and the level of services they provide, the business goals they achieve, and the general ability to respond to market changes and opportunities. In this new environment, **monitoring and reporting on the quality of external, internal, and outsourced services and user experience is fundamental and essential**. Instead of a variety of existing solutions that do not cover many areas, a comprehensive unified solution is needed that can continuously track and monitor the user experience and all the layers and elements from which IT services are built, as well as be able to prepare reports on them.



The benefits of using PVSR

GET COMPREHENSIVE, REAL-TIME CONTROL OVER THE PERFORMANCE OF YOUR IT SERVICES

Get rid of blind spots and get comprehensive, real-time control over the performance of your mission critical applications and services, and how they impact user experience. With PVSR, you can monitor user experience and measure the exact performance and availability of components that make up IT services, whether they are network devices, servers, applications, Infrastructure components, IoT sensors, etc.

INSTANT BENEFITS FOR YOUR COMPANY:

- Comprehensive control for CIO, CEO.
- Objective reports for customers and/ or businesses.

PROACTIVE PROBLEM SOLVING, ACCELERATED DIAGNOSTICS

Overcome diagnosis complexity and accelerate from a slow reactive approach to rapid proactive problem solving. PVSR not only continuously monitors the real end-user experience, and accurately measures the performance and availability all the elements that make up your IT services but also alerts you in the event of performance degradation before your customers start calling. Furthermore with the unique built-in diagnostics tools of PVSR you can speed up the diagnostics phase. Problems can often be solved before employees or customers even take notice about them!

INSTANT BENEFITS FOR YOUR COMPANY:

- Solve problems before they affect user productivity, close tickets faster, thereby yielding a lower TCO.
- Free up scarce experts.

REDUCE COST THROUGH IMPROVED RESOURCE UTILIZATION

Is it reasonable to spend money on buying new hardware or cloud services? With PVSR you can easily detect existing under-utilized resources or bottlenecks. With this information in your hand, you will be able to optimize your applications and infrastructure to better utilize your available resources.

INSTANT BENEFITS FOR YOUR COMPANY:

- Optimize virtual infrastructure, storage, and network load.
- Optimize cloud resources.
- To buy or not to buy? -> Save cost.



UNIFIED MONITORING OF YOUR IT SERVICES

The benefits of using PVSR

SINGLE PANE OF GLASS VIEW

Increase the efficiency and productivity of IT administration through the use of one consistent interface for monitoring the entire scope of IT. PVSR gives a comprehensive overview of your IT services and all the elements that they comprise. The unique built-in diagnostics tools allow you to drill down to detailed information that matches – and in some cases surpasses – the information that you could obtain from the management tools provided by each separate vendor, without launching them or logging into them one by one. The ability to see the information in a unified monitoring system rather than in separate tools makes it possible to immediately explore correlation among the various system elements.

INSTANT BENEFITS FOR YOUR COMPANY:

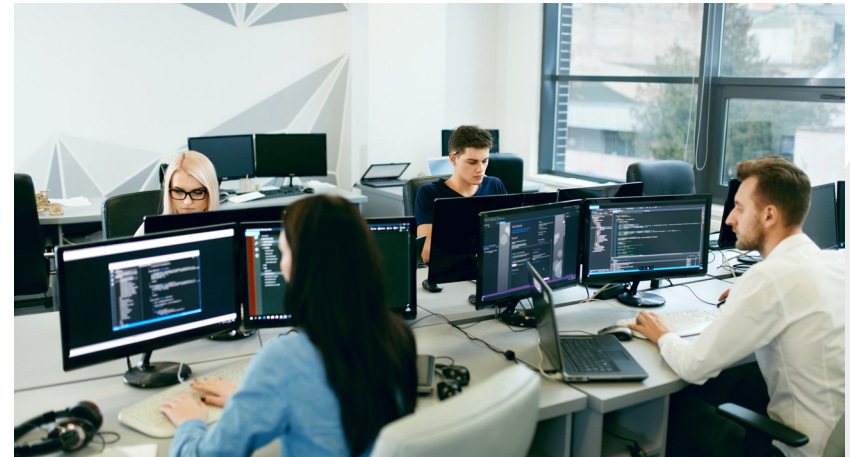
- Holistic view breaks the walls between the silos.
- Increased collaboration and agility using a vendor agnostic tool.
- One tool means lower training and support costs which then yield a lower TCO.

PLAN YOUR RESOURCE CAPACITY AHEAD AND OPTIMIZE YOUR SPENDING

Purchasing and installing new hardware takes a long time, and to ensure that you get the best deal from your vendor, you need to plan ahead. PVSR can analyze the collected historical data in order to detect trends and to create capacity reports that show your resource needs for the future.

INSTANT BENEFITS FOR YOUR COMPANY:

- Valid IT budget planning.
- Optimized purchasing & vendor management.

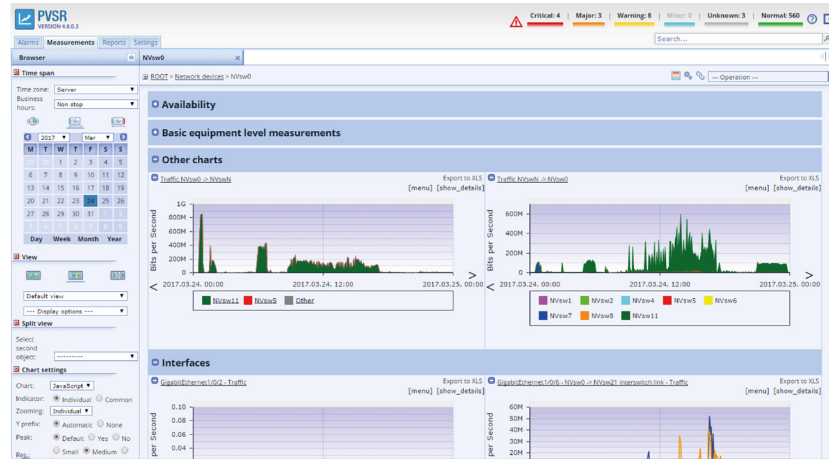


UNIFIED MONITORING OF YOUR IT SERVICES

Unified performance monitoring the right way

MONITOR EVERYTHING

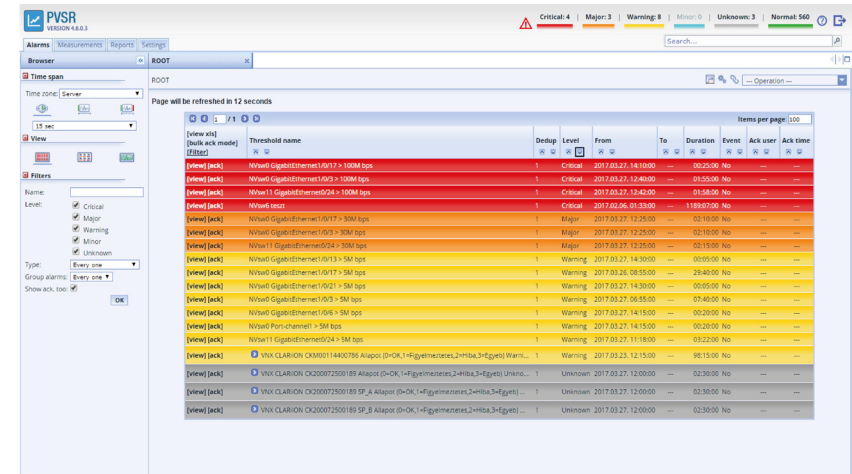
PVSR allows you to monitor all the elements that make up your IT services: applications, databases, virtualized and physical infrastructure, storage, SAN network, LAN/WAN network or IoT infrastructure. This extensive monitoring capability is coupled with broad vendor support that covers all major vendors.



PVSR measurements

PROACTIVE MONITORING

With PVSR, problems can often be solved before employees or customers even take notice about them. PVSR alerts IT operations staff in the event of measured performance degradation before business users start to call the help-desk. Furthermore, with the unique built-in diagnostics tools of PVSR the diagnosis phase of the troubleshooting process is much shorter.



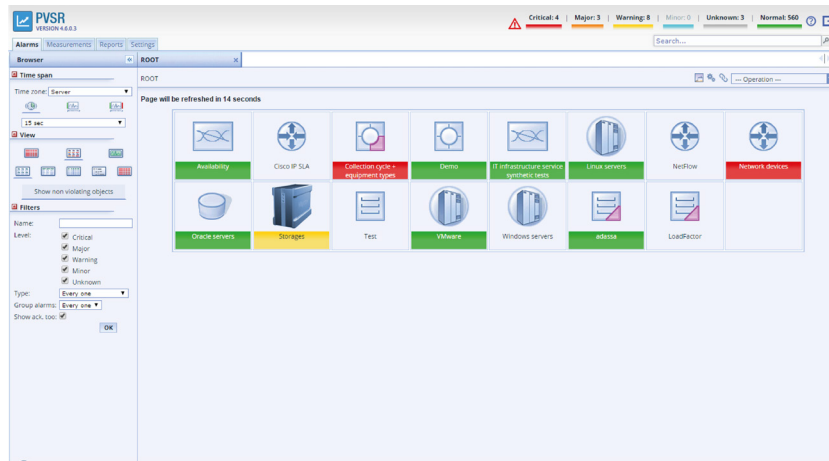
PVSR alarms

UNIFIED MONITORING OF YOUR IT SERVICES

Unified performance monitoring the right way

SERVICE IMPACT ANALYSIS

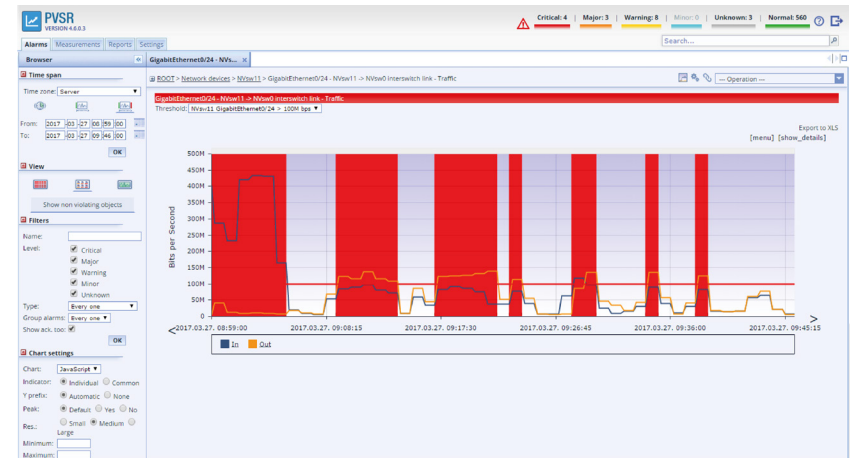
PVSR can correlate events with your services, so you immediately know which services are impacted. Or looking at your services overview, you can see which one is degraded by which problems.



PVSR dashboard

UNIQUE DIAGNOSTICS FEATURES

There's no need to login into diverse management tools or network devices, you can access all of the information needed for diagnosing the problem in PVSR. It speeds up troubleshooting, enhances collaboration and frees up experts from repetitive tasks. PVSR offers more than 70 different real-time diagnostics pages tailored to support troubleshooting or daily operations.

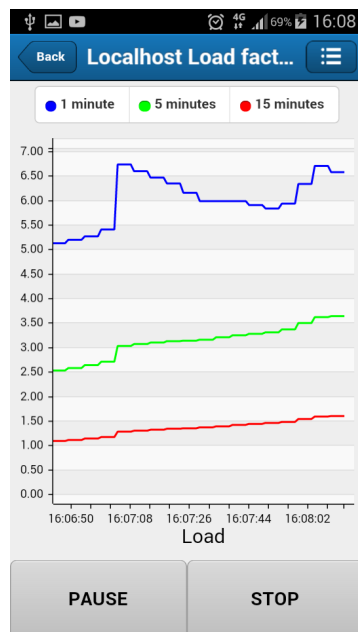
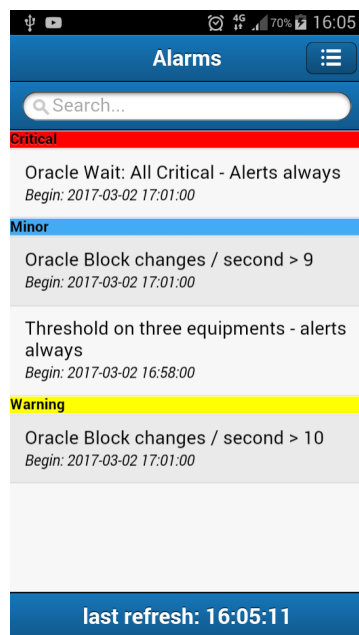


PVSR alarms

Unified performance monitoring the right way

USE YOUR MOBILE PHONE FOR MANAGING ALARMS

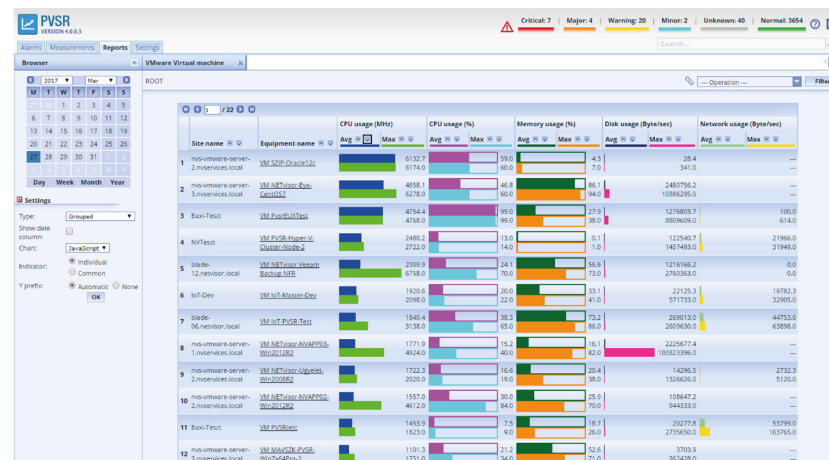
Using your mobile phone you can view and acknowledge alarms, view graphs of the measurement values over the last couple of hours and can start data collection on these graphs in real-time (up to 1 second).



REPORTS FOR IT AND BUSINESS

PVSR gathers a vast amount of data about your systems and their operation. This data is only valuable for you if it is analyzed and visualized the right way. PVSR has a powerful reporting engine that can visualize the collected data for IT operations and for the Business as availability, capacity, OLA and SLA reports.

PVSR comes with preloaded technology-specific report packs that cover typical daily reporting tasks. Report definitions are editable and new reports can be created using a wizard on the web client.



PVSR report

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Unified performance monitoring the right way

GRAFANA INTEGRATION

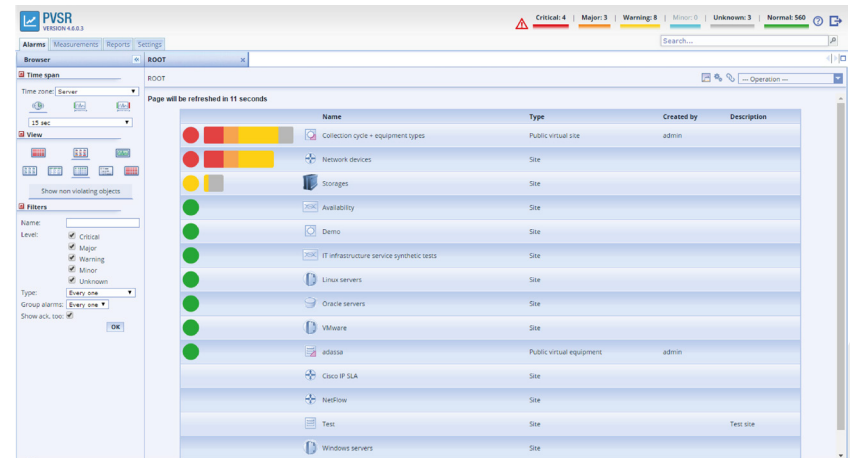
Measurements, alerts or reports generated in PVSR can be integrated into the Grafana dashboard system, which is available for free, so it is possible to create any overview dashboards you like.



Sample Grafana dashboard

ENTERPRISE READY ARCHITECTURE

PVSR has all the capabilities that allow it to be instantly deployed and integrated into your IT environment: fine-grained authorization system, Active Directory & LDAP support, agentless monitoring, web service northbound interface.



PVSR measurements

PVSR data collectors

OPERATING SYSTEMS

- Unix/Linux
- Windows (WSMan)

DATABASES

- Oracle
- MySQL
- Microsoft SQL
- PostgreSQL

END-USER EXPERIENCE

- Windows Application
- Thin client

APPLICATIONS

- Java (JMX)
- .NET
- MQTT
- REST

SYNTHETIC TRANSACTIONS

- ntp, dns, dhcp
- ldap, radius, tcp
- ssh, nagios commands
- http-ftp

VIRTUALIZATION

- VMware
- Hyper-V
- OracleVM

IOT

- CIP
- Modbus

TÁROLÓK: EMC, IBM, HP EVA, ...

SNMP

- interfaces
- arbitrarily scalable measurement range
- Alcatel TiMetra
- APC UPS
- BrocadeSwitch
- Cisco specific measurements
- Cisco ASA 5500
- F5
- HP Enterprise Switch
- IBM BladeCenter
- host mib
- Juniper IVE és NetScreen

NETWORK INFRASTRUCTURE

- Netflow/IPFIX
- Cisco IP SLA
- Cisco QoS
- Cisco RPING

OTHER

- EthernetOAM
- ASCII

UNIFIED MONITORING OF YOUR IT SERVICES

1

MEASURE AND MONITOR

THE END-USER EXPERIENCE AND
ALL ELEMENTS OF THE IT AND
COMMUNICATION SERVICE.

2

DETECT AND SOLVE PROBLEMS

BEFORE END USERS EVEN NOTICE THEM.

3

CREATE REPORTS INSTANTLY

FOR IT AND BUSINESS WITH ONE CLICK.

PVSR's position
in the product range of Netvisor OSS complex operation support solutions

