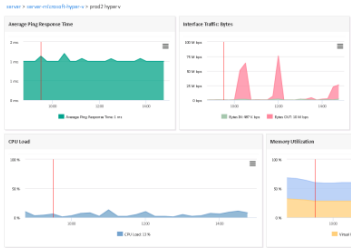


# SERVER AND SYSTEM VIRTUALIZATION MONITORING



## Why choose ServicePilot?

- ✓ Quick installation
- ✓ Remote configuration
- ✓ Automatic discovery
- ✓ Threshold alerts
- ✓ Events based alerts
- ✓ Built-in dashboards
- ✓ Capacity Planning

## Cost control and reduction

- ✓ Simplified architecture
- ✓ Only one physical or virtual server
- ✓ Fast integration and configuration
- ✓ Trend analysis and capacity management
- ✓ Infrastructure optimization and control
- ✓ Optimal service delivery



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## Server performance is vital for optimal application service delivery,

Resource or process performance degradation, memory or interface saturation directly impacts your company business and revenue.

Server monitoring often needs several time consuming configuration and maintenance tasks, thus reducing the amount of time operations team can spend on value added tasks. ServicePilot monitoring software is built to reducing time spent on operational tasks, performance degradation risks and cost control.

ServicePilot will also allow you to analyze the performance of applications, monitor end-to-end IT infrastructure and each datacenter equipment or service (Servers, Virtualization, Databases, Storage, Network devices, communications' performances...).

## AUTOMATE SERVER PERFORMANCE MONITORING

### With ServicePilot, server monitoring starts as soon as you deploy your agent

The ServicePilot agent does not need any configuration to start monitoring, the agent is automatically recognized by the manager, its maintenance is near zero and collected indicators are accurate and relevant.

#### Resources automatic discovery:

The agent automatically discovers server resources and directly feeds both global and detailed dashboards.

#### Integrated built-in dashboards:

Standard reports and built-in dashboards allow both global and detailed understanding of your IT network performance. Answer in a few clicks questions like which disks are saturated, which process consumes the most resources, I/O performance as well as many other key performance monitoring indicators.

#### Automatic updates:

An agent update is often a constraint, except when it is automated and managed by the monitoring system. A dashboard gives you detailed information regarding your agent's deployment and operational status:

- ✓ Number of agents deployed and status
- ✓ Name, Version, Build date
- ✓ Name of machine on which the agent is installed
- ✓ Name of client for multi-client architecture
- ✓ Last time checked by the Manager
- ✓ Feature status for "keep alive" and "mass update"



*"Our aim to replace a combination of tools, including Nagios and Cacti, both taking too much time regarding tooling configurations, was a success completed in a matter of days thanks to an impressive built-in package list for network, datacenter and VoIP monitoring"*

Hospital Center La Rochelle

**Key Indicators**

- ✓ CPU Usage
- ✓ Max Memory Usage
- ✓ Network Interfaces
- ✓ Cumulative Network Traffic
- ✓ Disk Drives
- ✓ Max Disk I/O
- ✓ Max Disk I/O Write Rate
- ✓ Max Disk I/O Read Rate
- ✓ Top Processes by CPU

Top Processes by CPU Usage	
Displaying 1-10 Out of 16	
process name	owner
servicepilotaagent	system
system	system
wmiiprsvse	network.service
trusteinstaller	system
sqlservr	mssql\$monitor

**Datastore Indicators**

- ✓ Statuts
- ✓ Accessibilité
- ✓ Type
- ✓ Capacité
- ✓ Espace libre...

**Host Indicators**

- ✓ Resources Status
- ✓ Total CPU
- ✓ Effective CPU
- ✓ Consumed CPU
- ✓ Total Memory
- ✓ Active Guest Memory...

**Guest Indicators**

- ✓ Status
- ✓ CPU usage
- ✓ Memory
- ✓ Used Storage
- ✓ Depending Host...

**WINDOWS AND LINUX SERVER MONITORING**

**SNMP or ServicePilot Agent**

Depending on the expected results, ServicePilot provides a choice of monitoring your physical and virtual servers with an SNMP collection or with an agent installed locally on the Windows and Linux servers.

**Agent - Manager Connection**

The connection between the agent and the manager does not require VPN. The agent will directly connect to the manager, it will create its connection and an encrypted tunnel for data exchange. This architecture is much simpler regarding the opening of flows and well accepted in term of security

**Log and event analysis**

Log and event analysis highlights all vital data to identify IT production problems and security issues. Data indexation in a NoSQL database coupled with a multi criteria search interface allows for log correlation, events information with application performance or infrastructure problems over time reports.

**ServicePilot Agent**

- ✓ System, Disks, Memory
- ✓ Automatic process discovery
- ✓ Top process by memory or CPU consumption

**Complementary features**

The ServicePilot agent does not just monitor the server but it also has several extended features such as log analysis and application response time that can be activated via the manager according to your monitoring needs.

**VIRTUALIZATION MONITORING**

**Server virtualization monitoring**

ServicePilot interfaces directly with vCenter et Hyper-V applications to measure availability and performance levels for physical machines, clusters, virtual machines and datastores.

**Automatic resource discovery**

ServicePilot automatically discovers and collects available indicators on vCenter to analyze configurations and performances of Datacenters, Hosts and VMs.

In addition to the previous indicators offered by vCenter, ServicePilot can monitor in SNMP or via its agent:

- ✓ OS System performance
- ✓ Disks
- ✓ Interfaces
- ✓ Process details
- ✓ Logs
- ✓ Application performances

