

# VirtualM=TRIC

**Real-time Monitoring,  
Inventory and Change Tracking for**



**Track. Report. RESOLVE!**



# Powerful Monitoring Tool for Full Visibility over Your Hyper-V Environment



VirtualMetric provides the most comprehensive monitoring solution for your Hyper-V virtualization. Improved performance and fast troubleshooting. Centralized Hyper-V monitoring and management, which will save you time and money.

The only solution on the market combining monitoring with inventory and change tracking.

VirtualMetric is designed to empower system administrators, cloud engineers and MVPs and provide them with detailed insights over their Hyper-V infrastructure.

## All-in-one Solution with Powerful Modules for Advanced Monitoring



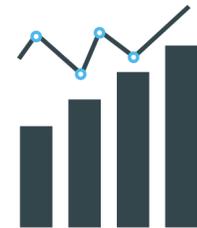
**Hardware (Bare Metal)  
Monitoring**



**Virtual Machines  
Monitoring**



**Inventory  
Monitoring**



**Auditing**



**Forensic Analysis**



**Change Tracking**



**Log Analyser**



**Security**



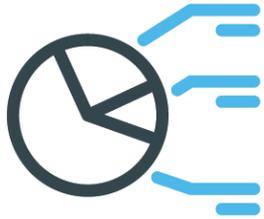
## Hardware (Bare Metal) Monitoring

No matter what infrastructure you manage, performance issues may occur because of the physical hardware problems. VirtualMetric uses IPMI to monitor the hardware health and supports manufacturers like HP, DELL, IBM etc. Be sure that your hardware is healthy as well as your virtualization.



## Virtual Machines Monitoring

VirtualMetric detects all the virtual machines and stores them with their unique identifiers. If you change your virtual machine hardware or if you migrate your virtual machines to other clusters or datacenter, VirtualMetric will still be able to show correct historical data. With VirtualMetric, you will get the most out of Hyper-V for your virtual machines.



## Inventory Monitoring

VirtualMetric helps you to get complete visibility of your servers by collecting the inventory. Inventory monitoring will help you to identify misconfigurations and do auditing on your infrastructure.



## Auditing

With the help of its advanced inventory monitoring, VirtualMetric provides a huge list of auditing reports. All of the reports are created in real time, so you don't have to wait to generate any auditing reports.



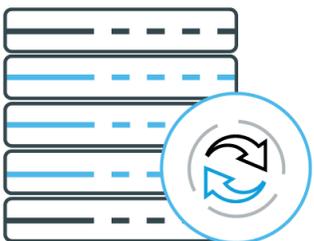
## Forensic Analysis

VirtualMetric generates automatic forensic analysis in real time. The built-in Windows Defender monitoring will show you the malicious software in your environment. In addition, the real time TCP monitoring will help you to identify network-based attacks and possible breach attempts.



## Log Analyser

Windows Event Logs holds all the important system notifications and helps you identify the serious issues, which may occur. VirtualMetric collects all the event logs to visualize these issues on the dashboard and help you prevent problems.



## Change Tracking

VirtualMetric captures a complete system snapshot in every cycle of its run. After the cycle completes, it is compared with the old snapshot and all the changes are discovered. In this way, you will be able to track all of the changes in your infrastructure and manage them easily.



## Security

VirtualMetric provides sophisticated security reports including start-up commands, local DNS records and local administrators. Identify and mitigate easily potential security breaches.

# Key Hyper-V Monitoring Features

✔ **Host Usage and Agentless VM Usage Monitoring**  
VirtualMetric Hyper-V monitoring provides detailed statistics for your Host Usage. CPU Load and Usage, Free Memory and Storage reports, Storage IOPS, Network Usage and number of VMs per hosts. A smart combination of Host Usage together with agentless VM usage monitoring will help you to easily control your Hyper-V environment. Comprehensive and up-to-date information regarding every single VM within your Hyper-V infrastructure.

✔ **Guest Usage Monitoring**  
VirtualMetric shows you the usage of every single Virtual Machine in your virtualization. All statistics can be gathered without installing any agent into all your Virtual Machines. Track all the VM guest and host servers processor, memory utilization and numerous more performance counters.

✔ **Storage Latency Monitoring**  
Monitoring of your storage latency helps you to track the cause of latency and identify fast any bottlenecks causing performance issues. Troubleshooting of Hyper-V latency was never so easy!

✔ **Snapshot Reports**  
A detailed Hyper-V snapshot reports including snapshot name, creation time, snapshot notes, child and parent snapshot tree of virtual machines. Thus we enable you to easily manage your snapshots and optimize their usage.

✔ **vHBA Reports**  
When having a lot of vHBA virtual machines, you may feel lost. If a VM is causing a huge I/O usage, you need to identify it fast and fix the issue. VirtualMetric's vHBA reports are helping you to troubleshoot the problematic VMs fast. The whole vHBA inventory is now exposed to you and easy to manage. Virtual HBA inventory reports will provide you with SAN switch information, WWNN and WWPN addresses of virtual machines and much more.

✔ **Hyper-V Replica Tracking and Reports**  
VirtualMetric monitoring solution is tracking the success of your Hyper-V replicas, thus ensuring you will be 100% prepared in case of Disaster Recovery need. We provide you with notifications and alerts if a replication issue occurs. No need to be an expert and write PowerShell scripts anymore.

✔ **Cluster Shared Volume (CSV) Reports**  
Cluster Shared Volumes (CSV) Reports helps you to get easily historical data and performance statistics for your Hyper-V Cluster Shared Volumes. Detailed performance reports like latency, IOPS, disk usage, queue length and throughput. Also, you can track the model, signature, serial number and firmware version of your Cluster Shared Volumes.

✔ **Blue Screen Monitoring and Detection**  
VirtualMetric can capture BSOD and boot problems by using advanced image processing algorithm. Set up automated notifications and alerts in case a blue screen is detected to prevent IT disasters. You will always know what is going on with your virtual environment.

# Key Hyper-V Monitoring Features

## ✓ VM right-sizing

VM rightsizing is a process in which system administrators optimize the allocation of resources within a virtualized hardware environment. The VM right-sizing helps you to optimize your virtual infrastructure capacity. The rightsizing of your VMs may improve the overall performance of your Hyper-V environment. VirtualMetric's software helps you to identify under or oversized workloads within your infrastructure. In this way, you improve its performance and guarantee the efficient usage of your underlying hardware.

## ✓ Microsoft Nano Server Monitoring

Ensure the smooth work and high performance of your containers by using a real-time Microsoft Nano Server Monitoring. Agentless monitoring and performance tracking of Nano Server for ensuring the health of your virtualization. The only monitoring product collecting the whole inventory and monitoring the Nano Server .

## ✓ Rule-based notifications and reporting

Set smart alerts and rule-based notifications based on specific triggers. High CPU usage, high memory usage, latency problems. By modifying thresholds of your counters, you can set threshold limits and enable notifications by email, SMS or API request to see the health status.

## ✓ Monitoring Heatmap

It allows you to track the whole infrastructure you manage in only 2-3 seconds. The Heatmap is a visual representation of the current state of all your hosts, using different colours to show the status of each host. The heatmap gives you quick information about possible performance and hardware issues in real-time

## ✓ API Access

All VirtualMetric components use VirtualMetric API to communicate with VirtualMetric DB. You can easily install two or more VirtualMetric API roles to form a high availability. Thanks to our advanced API, you can create an automation to add all the new servers and hosts automatically to the monitoring system.

## ✓ Dynamic Dashboard and Dashboard Playlists

Fully customizable dynamic dashboards to answer your enterprise requirements. Our team is focused to create not only a feature-rich product but also a great user experience for our customers. And we give you the opportunity to customize your VirtualMetric dashboard according to your needs and to create Dashboard Playlists.

## ✓ Event Log Monitoring

Complete monitoring of event logs. We track your Windows event logs and alert in case a log pattern is detected. A powerful solution to collect, report and help you to analyse event log data. VirtualMetric is the only solution allowing you to monitor your servers together with the event logs on a single dashboard! Multi-axis charts to help you understand the correlation between data and react fast in case of emergency.

## ✓ Active Directory Integration

Ensure the security of your infrastructure thanks to our Active Directory Integration. No need to create basic users on all servers. No configuration changes on the servers, no server restarts and registry changes and no additional work. If you setup VirtualMetric on an Active Directory member server, you can start VirtualMetric Collector with a privileged account on Active Directory.

## The Main Advantages of Using VirtualMetric Hyper-V Monitoring



Agentless Hyper-V Monitoring,  
No reboots, no restarts,  
no risk for your security



Predefined Reports and Smart  
Rule-Based Notifications



All-in-one solution combining  
Real-Time Monitoring,  
Inventory and Change Tracking



A product, which constantly  
evolves according to your needs



Multi-axis Charts to Enable You  
to Make a Correlation between  
the Data



Attractive pricing, which fits  
your budget

## The Value for You



Prevent performance issues, downtime, attacks and loss of data



Better utilization of your Hyper-V servers and costs reduction



Your environment at a glance from every location and device



Save Time, Effort and Focus on your main job



Enable data-driven insights and decisions

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+31 20 820 87 14  
[info@virtualmetric.com](mailto:info@virtualmetric.com)

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