

5nine Optimizer

Version 1.0

Performs real-time analysis of your virtualization hosts, physical and virtual machines, provides trend reporting, what-if analysis and automated workload optimization of your virtual environment!

Based on the results of ongoing analysis and real-time utilization alerts 5nine Optimizer enables SysAdmins to run automated optimization wizards that result in suggested strategies to maximize performance of your virtualization hosts and VMs depending upon long-term and short-term workload trends. Such strategies will result in either further consolidation if hosts are under-utilized, or migrating of the virtual machine(s) to another host(s) in case of over-utilization. 5nine Optimizer also allows System administrators to perform comprehensive What-if analysis of the data center, and automatically generates TCO and ROI reports for each of the optimization plans. 5nine Optimizer includes all of 5nine P2V Planner capabilities.

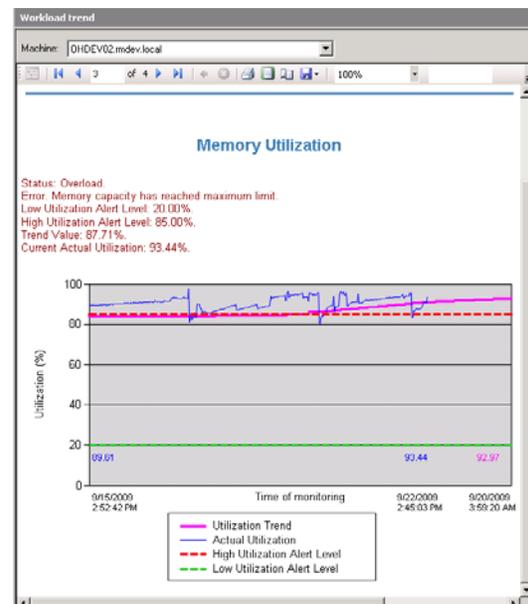
Simple-to-Use

The product was designed to be used for projects of all sizes, from small virtualization pilot or SMB projects to large enterprise projects with hundreds of servers, hosts and virtual machines (VMs). Non-intrusive, simple installation – requires only minutes to deploy and start using the product. In addition, the intuitive wizard-driven interface requires minimal training for data center administrators and managers.

- Real-time Virtual Environment Analysis and Alerting
- Automated Optimization of Virtual Environment workloads
- Integrated What-if Analysis and TCO/ROI reporting

Automated Data Center Optimization

Performs sophisticated analysis of the current virtual environment and data center, creates workload/utilization reports for all of the data center resources: virtualization hosts, virtual machines and physical machines. Based on the real-time performance data builds the workload trends, and provides an ability to create custom or automated optimization plans to ensure health and best performance of your virtualized data center. Optimized placement of virtualized workloads is based on business requirements, technology (memory, storage and CPU utilization, security) and TCO/ROI criteria.





Agentless Data Collection

Automatically discovers and collects hardware inventory, utilization data and application performance metrics in a non-intrusive manner without installing agents. It also allows importing this information from an Excel or XML files.

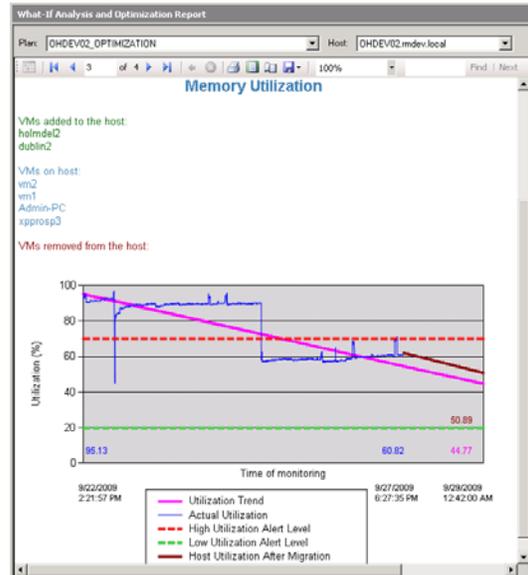
What-if Analysis and Comprehensive Reporting

5nine Optimizer creates a variety of workload, What-If, trend analysis and Optimization reports, which are integrated with TCO/ROI calculations. 5nine Optimizer also produces alerts for your v-Hosts, VMs and physical machines in case of continuous under or over-utilization, and suggests to perform optimization using either automated wizards, or custom plans. Results of analysis and optimization are reflected in What-if Analysis and Optimization reports for your virtual environment, and Data Center in general.

System Requirements

- Windows domain or workgroup (unless all data will be imported from a file or entered manually) with admin account;
- 1 GB+ of RAM (512 MB minimum, 8GBs + recommended) and 1-2 GB of free HDD (5 GB + for 10,000 or more machines). 1.5 GHz + CPU.
- XP Pro SP3, Vista SP1 (Business, Enterprise or Ultimate editions), Win 2003 R2 SP2, Win 2008 or later;
- .NET 3.5 or higher;
- Recommended SQL 2005 or 2008 standard or enterprise, SQL 2005 Express edition (or higher); MS SQL installation is recommended for large-size inventories.

Name	Machine Type	VMs Count	CPU Utilization	Storage utilization	RAM Utilization
freemebeta.mdev.local	Virtual Machine	0	0.29	2.54	24.93
DHDEV01.mdev.local	Physical Machine	0	0.02	51.22	22.40
DHDEV02.mdev.local	Hyper-V Server	4	1.30	30.75	54.66
TFSBuildMachine.mdev...	Virtual Machine	0	0.11	39.66	46.15
w/2k8TFS.mdev.local	Virtual Machine	0	0.24	26.48	90.15
w/2k8TFSDB.mdev.local	Virtual Machine	0	2.80	16.37	77.02
w/2k8B64.mdev.local	Virtual Machine	0	0.06	11.25	48.94



5nine Optimizer setup will check for presence of .NET framework (3.5 or higher) and SQL/SQL Desktop Engine installations, and will prompt the user in the case that those are not present.

Ordering information and Support

For pricing, please contact your 5nine Software reseller or submit a sales inquiry at www.5nine.com.

For technical support, please visit <http://www.5nine.com/support.aspx> or e-mail techsupport@5nine.com and our support representative will contact you promptly.

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