ASG-PERFMAN 2020 - BROCHURE AND PRODUCT CATALOG

IT Utilization Competency Through Automated Analysis, Reporting, Modeling and Capacity Planning
ABOUT ASG-PERFMAN™ 2020

For many years, ASG-PERFMAN 2020 has been dedicated to providing high-powered IT infrastructure resource analysis and management solutions for the most demanding IT infrastructures on the planet.

Our focus on IT infrastructure management and proven cross-platform solutions boosts IT service levels, lowers costs and provides insights that allow data center professionals to make better decisions with clarity and confidence. ASG-PERFMAN 2020 takes the guesswork out of planning and decision-making, allowing companies to set realistic expectations, communicate accurate and actionable information, and align business objectives with IT performance.

ASG-PERFMAN 2020 allows you to collect both physical and virtual performance and capacity data across the enterprise and analyze it automatically—making it easy to see where your problems are, where you can improve performance, and to assess what needs to be done to improve your overall IT utilization:

Our proven cross-platform solutions boost IT service levels, lower costs and provide insights that allow data center professionals to make better decisions with clarity and confidence.

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<tr>
<th>ROI</th>
<th>Payback Period</th>
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<td>165%</td>
<td>&lt;12 months</td>
<td>$1.4m</td>
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* net present value

WITH ASG-PERFMAN 2020 SOLUTIONS, YOU CAN EXPERIENCE:

Better Alignment of Business and IT - ASG-PERFMAN 2020 makes sophisticated analysis possible by providing an end-to-end view of your entire IT infrastructure, enabling accurate analysis of capacity and performance. This visibility gives IT valued insight in order to minimize risk and maximize planning for future application and business needs. For many years, Global 2000 organizations have realized significant gains in productivity from relatively simple modifications to underlying processes and techniques.

IT Infrastructure Optimization - ASG-PERFMAN 2020 solutions provide powerful and comprehensive automated analysis, reporting, modeling and forecasting features you need to effectively plan, manage, and optimize your IT infrastructure. ASG-PERFMAN 2020 collects cross-platform, enterprise-wide data and stores it centrally with advanced reporting tools to ensure your critical physical and virtual business applications, systems, and servers will deliver to the business today, tomorrow and into the future.

IT Business Planning - With ASG-PERFMAN’s historic data repository, you can see what’s happened in the past and where the trouble spots are likely to be, so you can easily plan for future requirements. Sophisticated, yet easy-to-see modeling, forecasting and reporting capabilities are built right into ASG-PERFMAN 2020, so sharing alerts, problem areas and capacity, are just a few clicks away. No more second-guessing when it comes to budgeting or capital requests. Using ASG-PERFMAN 2020 to predict future needs and plan spending gives you the confidence to have accurate and insightful business conversations.

Proactive Problem Avoidance and Proactive Planning - ASG-PERFMAN 2020 collects physical and virtual performance data enterprise-wide and analyzes it automatically – making it easy to see where your problems are, where your opportunities lie, and to assess what needs to be done to capitalize on both. ASG-PERFMAN 2020 is focused on preventing problems tomorrow through proper planning and implementation today.

Virtualization and Cloud Computing - Virtualization and cloud computing add another dimension of complexity and offer unique challenges not faced in the physical environment. Issues commonly faced include VM sprawl, poor capacity management, performance bottlenecks and difficulty pinpointing and resolving performance issues. ASG-PERFMAN’s advanced management tools allow you to get control of your entire IT infrastructure resources, in a single view—with confidence and clarity.

Greener IT - Adopting Green IT practices helps to reduce power and cooling requirements, as well as the physical space required for the infrastructure, but “it’s not easy being green.” Using resources more effectively and efficiently to reduce energy consumption and the carbon footprint of the organization is serious business, and also happens to be a natural by-product of using ASG-PERFMAN 2020.

“Intelligent Service Exception” detection identifies service level impacts saving time and helping you focus on implementing solutions.
ASG-PERFMAN PORTAL - AN EXECUTIVE DASHBOARD

Starting with a dashboard interface, ASG-PERFMAN 2020 Portal provides quick access to business capacity planning and performance management information across all platforms. Click-through navigation makes drill downs completely intuitive. ASG-PERFMAN 2020 makes it easy to view data linking VMware Clusters to Hosts, Hosts to VMs, and VMs to the guest Operating System.

ASG-PERFMAN PORTAL BENEFITS

- Gain insight into your entire infrastructure via the dashboard
- Out of the box, role-based reports and resource views by service, line of business, location, application, and more
- Quickly identify current and future problem areas
- Capture a snapshot of hundreds or thousands of multi-platform systems
- Compare and analyze key indicators across platforms to monitor performance
ASG-PERFMAN CLIENT

The ASG-PERFMAN 2020 product suite includes ASG-PERFMAN 2020 Client, a powerful, Microsoft Windows-based analysis tool. ASG-PERFMAN Client is an easy to use desktop solution that provides a broad range of analysis and reporting capabilities.

ASG-PERFMAN Analyst's user-friendly interface provides a comprehensive view of the systems and resources in your environment.

ASG-PERFMAN CLIENT BENEFITS

- Provides a full range of charts that provide immediate insight into current activity as well as historical projections.
- Heatmaps provide clear insight from vast amounts of performance information.
- Includes the ability to automatically aggregate information across multiple PERFMAN Servers, providing unlimited scalability.
- Data Organization - keep your data organized by system and period to efficiently handle months, weeks, and days.
- Platform Integration - ASG-PERFMAN Client integrates all the platforms right in the same analysis tool. Learn it for one platform and you learn it for all platforms.
- Desktop Integration - Reports, charts and data can be saved, printed, published or exported to spreadsheet or presentation packages with point-and-click ease.
- Automated analysis, reporting and publishing via ASG-PERFMAN’s powerful scripting language saves time and effort for IT staff, freeing them for more important tasks.
Enjoy the exceptional service, responsiveness, ease of use, and true partnership that our clients have come to enjoy by utilizing ASG-PERFMAN 2020 products.

ASG-PERFMAN 2020 server federation provides scalability and collaboration among users of disparate technologies.

ASG-PERFMAN 2020 Client – Heatmaps help users easily identify problem areas.

Menu system provides more detailed information about each resource type.
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ASG-PERFMAN 2020 FOR Z/OS

For a complete view into the performance of your mainframes, their peripherals, and the level of resources being used

OVERVIEW

ASG-PERFMAN™ 2020 for z/OS allows you to understand your mainframe from the inside out. You can discover LPARs, Service Classes, Report Classes, I/O Subsystems and more; view graphical representations of all discovered metrics; perform simulation modeling of the LPAR environment to determine optimal LPAR configuration; and look back upon historical trend analysis of resource usage over all key resources, including Goal Mode workloads and DASD I/O controllers and devices.

With ASG-PERFMAN 2020 for z/OS, you can monitor workloads and historical trends for z/OS LPARs, and CPU output forecasts to effectively manage capacity planning, and determine how long you will be able to stay on hardware before thresholds are violated. It will also anticipate business impact to service levels caused by new applications, worst-case spikes, and unique IT growth initiatives designed to fuel company success - giving you the ability to manage, control, and effectively leverage expensive mainframe MIPS capacity reducing your Monthly License Charges (MLC).

Combined with ASG-PERFMAN 2020 modules for VMware, UNIX, Linux, and Windows, ASG-PERFMAN 2020 for z/OS delivers an end-to-end systems management solution that enables cross-platform analysis, reporting, modeling, management, and optimization of physical and virtual environments for total visibility.

BENEFITS

- Make better decisions based on in-depth server workload, DASD space, I/O subsystem, and goal mode analysis
- Utilize in-depth trending and forecasting for DB2, CICS TS,z/OS Modeling, and Business Unit Analysis to eliminate risk and plan for future utilization needs
- Quickly measure and assess the impact of Capacity-On-Demand and its resulting effect on workloads
- Perform enterprise-wide management regardless of platform or geographic location
- Realize fast ROI via hardware, software licensing, and operational cost savings
- Utilize fully automated analysis, reporting, and integrated web publishing for total control and visibility
- Manage multiple systems, comprising thousands of servers and workstations for a single point of control
- Accelerate ROI with the fastest deployment and time-to-value in the industry
- Centralize control of your entire IT infrastructure to dramatically reduce administrative overhead and eliminate human error
- Identify zIIP specialty processor eligible workloads. Utilizing zIIP specialty processors lowers your overall costs.
ASG-PERFMAN 2020 FOR CICS TRANSACTION SERVER (TS)

For informed analysis and information of z/OS based CICS systems

OVERVIEW

ASG-PERFMAN 2020 for CICS Transaction Server (TS) gives you the ability to analyze key current and historical metrics of z/OS based CICS systems at the transaction group, workload, and region level.

ASG-PERFMAN 2020 for CICS TS powerfully augments enterprise-wide performance management and capacity planning by consolidating multiple CICS regions and integrating them into overall management plans.

ASG-PERFMAN 2020 for CICS TS reduces complex data into informed analysis and information, improving the ability of IT executives to converse about business applications in terms their internal and external customers can understand. It strengthens organizational communication by providing clear, concise IT management information on-demand anywhere and anytime it’s needed, and its automation saves time and effort for IT staff, freeing it for higher-level planning and management work.

BENEFITS

• Analyzes CICS resource consumption, services usage, multi-programming levels, internal queuing, response time components, and wait times, within a region or across multiple images

• Utilize in-depth trending and Evaluates CICS service levels, response time targets, transaction volumes, and response time distributions

• Forecasts capacity requirements effectively

• Trend resource usage, transaction volume, and growth rates

• Easy to install and use, installing in hours versus days or weeks of alternative offerings

• Handles workloads from multiple regions and systems

• Offers daily and historical perspectives of CICS performance and service levels

• Interactive and automated analysis capabilities
ASG-PERFMAN 2020 FOR DB2

Powerful management and planning functions to achieve effective z/OS based DB2 systems

OVERVIEW

ASG-PERFMAN 2020 for DB2 delivers insight into enterprise z/OS based DB2 systems, combining robust management reporting, performance analysis, and capacity planning capabilities with ease of management and cross-system integration.

DB2 administrators at sites around the world have used ASG-PERFMAN 2020 for DB2’s powerful management and planning functions to achieve highly reliable, effective, and efficient DB2 services.

ASG-PERFMAN 2020 for DB2 creates a comprehensive view of critical database applications allowing for informed analysis by DB2 IT professionals and superior decisions by IT executives. It strengthens organizational communication by providing automated, clear, concise IT management information on-demand anywhere and anytime it’s needed. The data collection, analysis, and reporting automation saves time and effort for IT staff, freeing it for higher-level planning and management work. And the informed, timely analysis and enterprise-wide view enables IT to become a contributing partner in seeing, setting, and achieving business goals and objectives.

BENEFITS

• Efficient data collection and analysis of key DB2 metrics
• Disciplined analysis of resource consumption, buffer pool usage, distributed (DDF) activity, response time, and response time components
• Service level analysis and reporting of response against targets, response distributions, transaction rates, and exception conditions
• Interactively or automatically analyze trends to calculate growth rates and identify growth impediments with capacity planning features
ASG-PERFMAN 2020 FOR TAPE LIBRARIES

IBM z/Series: Processes Standard SMF 94 records for IBM libraries and VTS; StorageTek HSC user SMF records for VSM and Nearline

OVERVIEW

ASG-PERFMAN 2020 for Tape Libraries is a sophisticated, yet easy-to-use tape library and virtual tape system management tool that tracks activity and performance against installation targets, identifies performance problems and solutions, and ensures accurate capacity planning.

ASG-PERFMAN 2020 for Tape Libraries simplifies complexity through imbedded intelligence resulting in reduced risk and cost when making IT enterprise decisions. It improves IT staff productivity through knowledge-based analysis and automated report generation and publishing. It also strengthens organizational communication with automated, on-demand communication of key IT information. And the informed, timely analysis and enterprise-wide view enables IT to become a contributing partner in seeing, setting, and achieving strategic business goals and objectives.

BenEFITS

• Validate service levels
• Utilize in-depth trending
  Accurately anticipate future capacity needs
• Automatically publish reports to intranet or extranet
• Flexible, open-ended architecture
  allows for future analysis of additional tape library types
• Available metrics provide information on activities within the library which host software (e.g. RMF) cannot detect
• Easy to install and use
• Allows analysis of individual subsystems in detail or multiple subsystems comparatively
• Provides current period and historical analysis capabilities
• Metrics are library oriented, rather than individual tape drive or volume
• Metrics include mount counts by type, mount times, data transferred, drives allocated, cache allocation, capacity usage, and much more
• Allows analysis of multiple time frames, from long trending to daily data for troubleshooting analysis
ASG-PERFMAN FOR Z/OS BUSINESS UNIT ANALYSIS (BUA)

OVERVIEW
The Business Unit Analysis option of ASG-PERFMAN for z/OS provides the necessary tools for performance management and capacity planning at the business unit and job/step execution level. To meet management and compliance requirements, many IT organizations require multiple views of information beyond that simply obtained from service class or report class data. This is particularly true for IT organizations that support Service Level Agreements for key customers. ASG-PERFMAN for z/OS Business Unit Analysis provides these capabilities.

ASG-PERFMAN for z/OS Business Unit Analysis provides accurate and informed views of the enterprises from a business unit versus a technical perspective, allowing for informed IT decision making. It enables IT executives to converse with internal or external customers concerning their specific activity and issues. The fully automated analysis, reporting, and integrated web publishing options are included.

BENEFITS
• Enables capacity planning using workloads aligned with a company's business units
• Provides vital information required for managing service level agreements
• Enables long-term historical trend analysis
• Shows Business Unit utilization of MSUs, MIPS and CPU Hours; creates detailed I/O subsystem metrics, including I/O rates and response time, at the workload level
• Enables the improvement of batch windows and job throughput by analyzing job and step level performance information
ASG-PERFMAN FOR Z/OS MODELING SUITE

OVERVIEW
The ASG-PERFMAN for z/OS Modeling Suite provides a powerful blend of analytical and simulation modeling capabilities, enabling you to understand the impact of change at the workload level before actual implementation, and prevent costly outages or acquisition of incorrect resources. Foresee the impact of changes to the processor(s), workload intensities, I/O response times, and activity in other logical partitions.

The Modeling Suite is an ASG-PERFMAN for z/OS option. It allows you to understand and address the impact of technology and growth before it happens, including Capacity on Demand. It offers reduced risk through informed decision making. Complexity turns into clarity for all levels of IT management through easy to understand reports and graphical representations. And built-in sophistication enables IT professionals of varied skilled levels to obtain targeted answers.

BENEFITS
• Anticipate business impact to service levels caused by new applications, worst-case spikes, and/or unique, company-dependant IT growth characteristics
• Easy to learn and use—no difficult syntax, no coding of algorithms; the focus is on results not wrestling with data
• Quantify and present alternative options.
• Simulation modeling allows for easy multi-LPAR planning and impact analysis
• Foresee system impact of changes to the processor(s), workload intensities, I/O response times, and activity in other LPARs
• Straightforward model definitions.

“It has reduced the mainframe bodies required to collect and report on mainframe statistics, from several people in different departments doing their own estimating, to one person providing consistent metrics to all. Sometimes we turn on MIPS only for a limited time (not permanent upgrade). I guess it saves the company millions.”

- System engineer, financial services company
ASG-PERFMAN 2020 FOR UNIX & LINUX

For visibility and insight to avoid problems, reduce costs, and do more with less for UNIX and Linux platforms

OVERVIEW

ASG-PERFMAN 2020 for UNIX & Linux is a sophisticated yet easy-to-use solution for enterprises seeking to bring clarity to the management complexity of their UNIX and Linux systems. ASG-PERFMAN 2020 for UNIX & Linux provides automated, enterprise-wide collection, analysis, and reporting of performance metrics, and eliminates guesswork from capacity management and system troubleshooting.

ASG-PERFMAN 2020 for UNIX & Linux brings clarity to IT management complexity, reducing risk and expense while improving performance through sophisticated, uniform, disciplined enterprise-wide management of IT resources, regardless of platform. It strengthens organizational communication by providing clear, concise IT information on-demand and without human intervention, anywhere and anytime it’s needed. The automation saves time and effort for IT staff, freeing it for higher-level planning and management work. And informed, timely analysis and enterprise-wide view enables IT to become a contributing partner in seeing, setting and achieving business goals and objectives.

BENEFITS

• High scalability allows central management of systems regardless of size, even if you’re managing multiple systems with thousands of servers and workstations
• Trending capabilities provides vital information required to take the guesswork out of IT purchasing decisions
• Easily integrates with existing performance agents
• Minimal impact on system resources
• Centralized control from one location, drastically reducing administrative overhead and human error
• Modeling option previews the impact of change down to the workload level, providing capital expenditure control, streamlining server consolidation projects, and preventing costly outages or acquisition of incorrect resources
• Automatically publishes reports to intranet or extranet
• Easily adapts to unique configurations and security issues

COMPATIBLE WITH:

• UNIX: AIX, HP-UX, Solaris.
• zLinux (SuSe, Red Hat)
• Linux (SuSe, Red Hat, ManDrake).
ASG-PERFMAN FOR UNIX AND LINUX MODELING SUITE

For visibility and insight to avoid problems, reduce costs, and do more with less for UNIX and Linux platforms.

OVERVIEW

ASG-PERFMAN for UNIX and Linux Modeling Suite enables you to see and understand the impact of change before implementation, helping you plan and execute consolidations and performance tuning while ensuring that financial, staff, and system resources are used efficiently.

The Modeling Suite is a ASG-PERFMAN for UNIX and Linux option that contains two powerful components designed for workload modeling and capacity planning for single systems or enterprise-wide multiple systems.

ASG-PERFMAN for UNIX and Linux Modeling Suite offers reduced risk through informed decision making. Complexity turns into clarity for all levels of IT management through easy to understand reports and graphical representations. And built-in sophistication enables IT professionals of varied skilled levels to obtain targeted answers.

BENEFITS

• Plan and execute server consolidations or ‘what if’ forecasting and know the result prior to risking service disruptions, wasting time, and wasting money.

• Forecast, plan, and manage workload growth based on historical trends or anticipated business opportunities.

• Discover, quantify, and present alternative options to meet goals and objectives.

• Model the effects of new hardware, increased workload activity, or removing workloads.

• Communicate quickly, clearly, and effortlessly.

• Easy to learn and use—no difficult syntax, no coding of algorithms; the focus is on results, not the path to getting there.

• Anticipate business impact to service levels caused by new applications, worst-case spikes, and/or unique, company-dependant IT growth characteristics.
ASG-PERFMAN 2020 FOR WINDOWS®

For discovery, analysis, planning, consolidation, implementation, monitoring, and management of VMware environments

OVERVIEW

ASG-PERFMAN 2020 for Windows® uses agent-less, non-intrusive, low overhead server analysis technology to provide the sophisticated management needed to ensure peak performance and efficiency and identify critical system resource trends in an enterprise Windows environment. ASG-PERFMAN 2020 for Windows provides automated, enterprise-wide collection, analysis, and reporting of performance metrics that bring clarity to complexity and eliminate risky and costly guesswork from capacity management and system troubleshooting.

ASG-PERFMAN 2020 for Windows creates a common language and easy to understand vision of the enterprise, reducing risk and expense while improving performance through sophisticated, disciplined, enterprise-wide management of IT resources, regardless of platform. It strengthens organizational communication by providing clear, concise IT information on-demand and without human intervention, anywhere and anytime it’s needed. The automation saves time and effort for IT staff, freeing it for higher-level planning and management work. And informed, timely analysis and enterprise-wide view enables IT to become a contributing partner in seeing, setting, and achieving strategic business goals and objectives.

BENEFITS

• Non-intrusive, low-overhead architecture requiring no agents
• High scalability, allows central management of systems regardless of size, even if you’re managing multiple systems with thousands of servers and workstations
• Fastest deployment and time-to-value in the industry
• Fully automated data collection, analysis, and reporting
• Provides trending and forecasting capabilities
• Ability to securely manage systems through firewalls
• Centralized control drastically reduces administrative overhead and human error
• Unique focus on historical trending takes the guesswork out of IT purchasing decisions
• Real-time access to Windows counters and availability alerting
• Includes browser-based report publishing option
• Exception analysis and alerts
• Built-in analysis and reporting for popular applications such as Exchange, IIS, SQL Server, .NET, Active Directory, SNA Server, Terminal Services, Microstrategy, and more
ASG-PERFMAN FOR WINDOWS® MODELING SUITE

OVERVIEW
The ASG-PERFMAN for Windows® Modeling Suite enables you to see and understand the impact of change before implementation, helping you plan and execute consolidations and performance tuning while ensuring that financial, staff, and system resources are used efficiently. The Modeling Suite is an ASG-PERFMAN for Windows option that contains two powerful components designed for workload modeling and capacity planning for single systems or enterprise-wide multiple systems.

The ASG-PERFMAN for Windows Modeling Suite offers reduced risk through informed decision making. Complexity is turned into clarity for all levels of IT management through easy to understand reports and graphical representations. And imbedded intelligence enables IT professionals of varied skill levels to obtain targeted answers.

RELATIVE THROUGHPUTS
Modeling consolidating two servers

CPU QUEUE LENGTHS
Modeled

BENEFITS

• Plan and execute server consolidations or ‘what if’ forecasting and know the result prior to risking service disruptions, wasting time, and wasting money

• Forecast, plan, and manage workload growth based on historical trends or anticipated business opportunities

• Discover, quantify, and present alternative options to meet goals and objectives

• Model the effects of new hardware, increased workload activity, or removed workloads

• Communicate quickly, clearly, and effortlessly

• Easy to learn and use—no difficult syntax, no coding of algorithms; the focus is on results not the path to getting there

“We have five people (service level managers) managing 3000 servers. Without a tool we would need five times as many people to manage this number of servers. And it would not be pretty.”

- Service level manager, healthcare information services provider
ASG-PERFMAN 2020 FOR VMWARE

For discovery, analysis, planning, consolidation, implementation, monitoring, and management of VMware environments

OVERVIEW

ASG-PERFMAN 2020 for VMware combines agentless data collection with powerful modeling capabilities to aid data centers with planning, consolidating, implementing, optimizing, and managing VMware ESX environments. ASG-PERFMAN for VMware, complemented with ASG-PERFMAN for Windows and/or ASG-PERFMAN for Linux, provides a total view of an ESX server, its virtual machines, and the details of what is happening within each virtual machine, such as process-level resource consumption and disk space utilization for each logical disk or file system.

ASG-PERFMAN 2020 for VMware blends virtual machine performance data with VMware ESX performance data to create a centralized measurement and analysis view of the physical and virtual configurations. It simplifies complexity to further enable true cost savings through virtualization and consolidation. The ability to model “what if” scenarios removes the guesswork from finding good server consolidation candidates, and automated reporting aids in effectively communicating throughout the organization, making virtualized server line of business owners comfortable with the new environment.

BENEFITS

• Non-intrusive, low-overhead architecture requiring no agents and full cluster support
• Ability to collect data through VirtualCenter, moving the already-low overhead off of the ESX Server
• High scalability, allows central management of thousands of physical and virtual systems
• Fastest deployment and time-to-value in the industry
• Fully automated data collection, analysis, and reporting
• Modeling provides “what if” capabilities for consolidating physical to virtual images, moving virtual machines between hosts, and making changes to existing configurations
• Provides historical trending and forecasting capabilities
• Ability to securely manage systems through firewalls
• Centralized control drastically reduces administrative overhead and human error
• Unique focus on historical trending takes the guesswork out of tuning and IT purchasing decisions
• Includes browser-based report-publishing option
• Exception analysis
• Built-in analysis and reporting for all VMware ESX metrics
ASG-PERFMAN VIRTUALIZATION PLANNING TOOL (VPT)

For Virtualization Lifecycle Management and Cloud Computing Readiness

OVERVIEW

While the promises of virtualization and cloud computing are great, many organizations are not prepared for the challenges that a virtualized data center present in managing the new cloud environments. A virtualized data center is more complex and offers unique challenges not faced in the physical environment. Issues commonly include VM sprawl, poor capacity management, performance bottlenecks, and difficulty pinpointing and resolving performance issues. In fact, virtualization may result in exactly the opposite of what was originally intended—too many relatively lightly-used VMs causing the unnecessary consumption of server resources, resulting in poor service delivery for cloud environments.

ASG-PERFMAN virtualization lifecycle management solution eliminates these issues and ensures that both the physical and virtual infrastructures are performing at their optimal levels at all times. Our approach starts before the first application is ever virtualized, and continues through the entire life cycle of systems management.

• Discovery: A disciplined approach begins with full understanding of the performance characteristics of physical and virtual environments.

• Analysis: The keystone of proper identification of server virtualization is based on performance characteristics of supported applications.

• Planning: A structured methodology for what-if modeling of planned virtualized environments eliminates risks and guess work.

• Implementation: With confidence, driven by a well informed and thought-out plan.

• Monitoring: Once servers are virtualized, the real capacity planning must take place. A complete view of all available information is vital.

• Management: Virtual environments require a disciplined approach to tracking historical growth trends, planned changes, failover, etc.

BENEFITS

• Identifies good candidates for virtualization based on data collected

• Selects candidates for virtualization based on user defined criteria

• Analyzes size of servers that will run VMware ESX Server

• Maps virtualization candidates to target ESX Server systems subject to user defined server limitation and classification rules

• Analyzes resource usage on the target ESX Server systems including CPU, Memory, Disk I/O/Sec, Disk KB/Sec, Disk Space, Network KB/Sec

• Models the performance of the target ESX Server systems to assess the impact of changes to the ESX Server environment

The Candidate Systems for Virtualization component identifies the systems and servers that could be virtualized based on their observed utilization rates and server capacity.
The ASG-PERFMAN Virtualization Planning Tool (VPT) automates many of the tasks associated with the virtualization lifecycle process. VPT estimates the contention for virtual CPUs within each guest operating system running in a virtual machine and the contention for physical CPUs experienced by the virtual CPUs of the virtual machines as they contend for CPU service.

IDENTIFYING VMWARE GROWTH AND SPRAWL

Virtualization has helped the IT industry deploy servers faster than ever before. While a fast turnaround time may be critical to meet short term business needs, how fast is too fast? With ease of deployment comes a new challenge – keeping track of the ever-increasing population of virtual machines and reporting on the growth of your virtualization enterprise and clusters.

ASG-PERFMAN's VMware solution provides web-based reports to help pinpoint unwanted server proliferation, while at the same time allowing you to see the growth of your virtualized environment and help plan for the future.

ASG-PERFMAN tracks your virtual machine growth over days, weeks or years to help you quickly see how your environment is growing, and if it is growing at the rate expected. This analysis helps you identify when virtual machines are being unknowingly allocated and consuming valuable resources.

FROM VIRTUALIZED INFRASTRUCTURES TO CLOUD COMPUTING

Cloud computing involves the delivery of hosted or virtualized services via the Internet, on a flexible, as-needed basis. It offers enterprises a way to cut costs and avoid having to rework or grow internal IT infrastructures to meet increased business demands. It enables IT organizations to increase hardware utilization rates and instantly scale to larger capacities—without having to invest in new infrastructure, train new personnel, or license new software. Cloud computing lets organizations take advantage of business applications, without significant upfront costs or the need to own the physical infrastructure to support those applications. It allows businesses to share infrastructure costs and thus reduce overhead for IT, maintenance, and support.

With all these advantages, Cloud Computing is something that IT organizations are in the process of grappling with, just like they did with outsourcing and virtualization. The key is to be ready, and to understand the right opportunities under which to leverage cloud computing. Just as ASG-PERFMAN provides the right information at the right times to properly exploit outsourcing and virtualization, ASG-PERFMAN offers the necessary methodologies and intelligence to best leverage cloud computing technologies.

“ASG-PERFMAN indicates which servers can be virtualized on which VM clusters, and with the right sizing. It saves server costs + maintenance + facility + power cost + reduction of green footprint. It also does conversion from Unix to Linux servers.”

- Performance and capacity engineer, industrial manufacturing company
ASG-PERFMAN 2020 FOR ORACLE AND SYBASE ASE DATABASES

For current and historical performance information for accurate tuning, maintenance, and capacity analysis of database instances

OVERVIEW

ASG-PERFMAN 2020 for Oracle and Sybase ASE provides current and historical performance information for accurate tuning, maintenance, and capacity analysis of your database instances. A must for mission-critical operations, ASG-PERFMAN 2020 automatically provides comprehensive data collection, analysis, and reporting on I/O, memory and resource usage, and many other performance and capacity metrics. Combine ASG-PERFMAN 2020 Oracle and Sybase ASE with the ASG-PERFMAN product for your host systems (UNIX, Linux, or Windows) and you achieve the clarity, understanding, and automation necessary to maximize efficiency and minimize risks.

ASG-PERFMAN 2020 for Oracle and Sybase ASE reduces complex data into informed analysis and information, improving the ability of IT executives to converse about business applications in terms their internal and external customers can understand. It strengthens organizational communication by providing clear, concise application and subsystem information on-demand anywhere and anytime it’s needed. The automation saves time and effort for IT staff, freeing it for higher-level planning and management work. And the informed, timely analysis and enterprise-wide view further enables IT to become a contributing partner in seeing, setting, and achieving strategic business goals and objectives.

BENEFITS

• Daily and historical views of use and performance
• Agent-less collection of performance information
• Standard counters provide out-of-box usability. Hundreds of additional counters available for custom tuning and troubleshooting
• Analyze database resource consumption, services usage, transaction profiles, internal queueing, response-time components, and wait times valuate service levels, response-time targets, transaction volumes, and response-time distributions
• Seamlessly works and reports with ASG-PERFMAN products for host systems (UNIX, Linux, or Windows)
• Easy to install and use, installing in hours versus days or weeks of alternative offerings
• Uses native Oracle security policies
ABOUT ASG-PERFMAN 2020 FOR APP SERVERS

A complete J2EE application server performance management solution for any J2EE 1.4+ compliant application servers.

OVERVIEW

ASG-PERFMAN 2020 provides an holistic view of performance and capacity planning for your entire enterprise with consistent UI, graphing and reporting. It provides proactive and reactive capabilities for enterprise resource management. Your IT specialists can work together across platforms using the same tool. It encompasses IBM zSystems and distributed platform operating systems, transaction managers, databases and application servers providing you with a single point solution to consistently address your performance management and reporting needs.

ASG-PERFMAN 2020 for App Servers is an agent based solution, integrated into the robust ASG-PERFMAN Analyst and Client UI, and is also available in the ASG-PERFMAN Portal web browser. This allows you to access the chart and reporting capabilities to view summarized performance data, as well as the real-time data, alerts, and high-level system overviews available in Portal. Like all the supported environments, the application server collector is fully compatible with all of the feature-rich capabilities of ASG-PERFMAN 2020.

The App Server charts and tools allow you to interactively view charts of summarized performance metrics for the application server(s) that you are monitoring. They provide an enterprise view and a server instance view for more specific details.

PERFMAN Portal provides a web browser view/list of all of the application servers being monitored, and allows you to view specific metrics for a single system or for multiple systems.

In addition, it allows you to export the results into PDF, Excel, CSV, or Microsoft Word files for externalization and use with other 3rd party tools.

BENEFITS

Provides insight to critical resources and information/metrics impacting your J2EE application servers performance.

Compatible with any J2EE 1.4+ app servers including: IBM WebSphere, Oracle WebLogic, Apache Tomcat.

- Sessions
- Cache
- Memory
- Locks
- Objects
- Threads
- Global Transactions

Provides real-time and long term trending views and analysis.

- Real-time alerts on issues
- Cross platform analysis and collaboration to improve Mean Time To Resolution (MTTR)
KNOW THE ANSWERS, NOW!
With ASG-PERFMAN 2020, IT professionals and executives alike get immediate access to crucial information about the organization’s IT infrastructure—such as intelligent enterprise-wide business views, future capacity concerns, service level impacts, and drilldowns.

With historic data across platforms and the tools to analyze it at your fingertips, you can experience the ASG-PERFMAN 2020 WOW.

NEW PLANNING CAPABILITY

NEW VM CAPACITY PLANNING FEATURES
ASG-PERFMAN 2020


 Modeled CPU Response Times
All LPARs

 ASG-PERFMAN FOR Z/OS MODELING SUITE

 ASG-PERFMAN FOR UNIX AND LINUX MODELING SUITE

 ELAPSED TIMES FOR U1 Backups
Modeled

 Email Active User Count
by server

 ASG-PERFMAN 2020 FOR WINDOWS
ASG Technologies brings peace of mind to every enterprise with information access, management and control for our customers. These solutions empower businesses to enhance workforce productivity, gain an accurate and timely understanding of the information that underpins business decisions and address compliance needs with improved visibility of cross-platform data from legacy to leading edge environments. More than 70 percent of global Fortune 500 companies trust ASG to optimize their IT investments. ASG is a global provider of technology solutions with more than 1,000 people supporting more than 4,000 midmarket and enterprise customers around the world. For more information, visit www.asg.com.