APPLICATION PERFORMANCE
ENTERPRISE CONTENT
IT RESOURCE AND FINANCIAL
JES SPOOL AND HOST OUTPUT

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Product Portfolio

NuPSoft
Software Solutions Services

Software Solutions Services
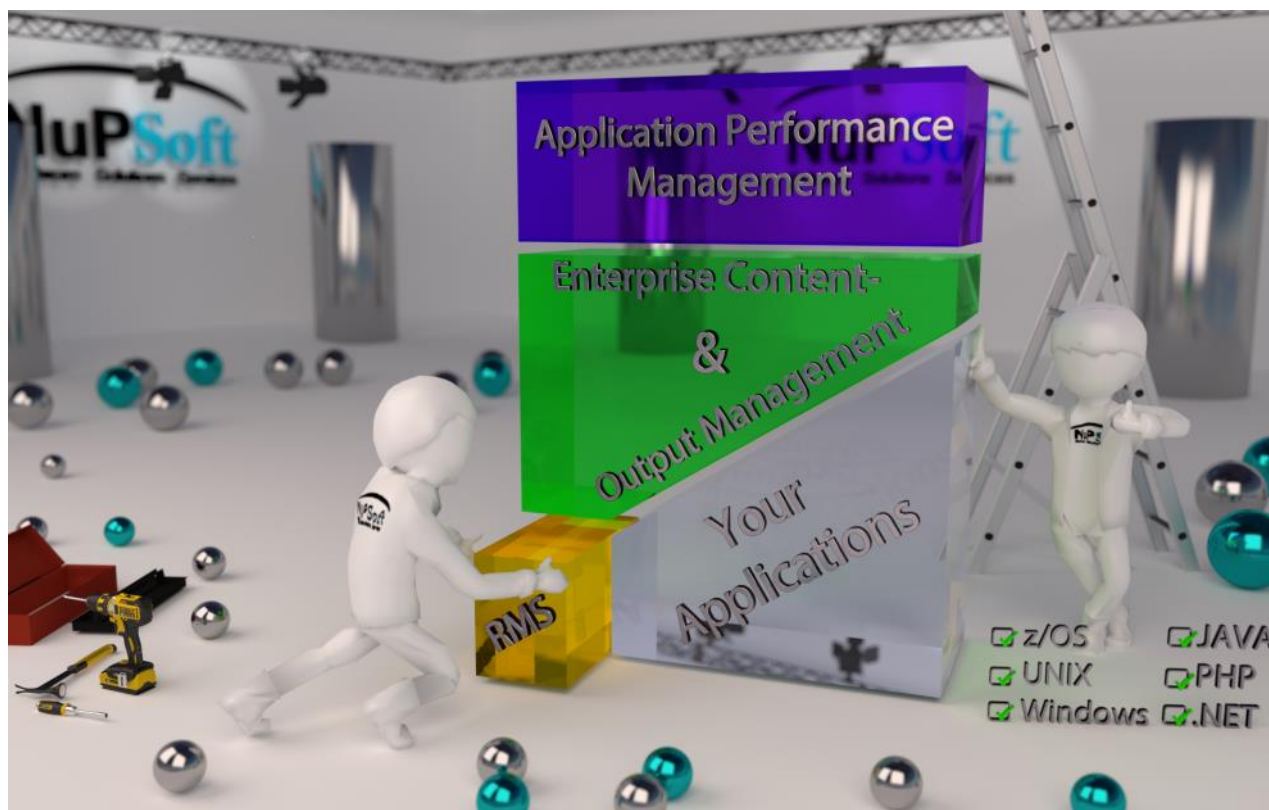
Content

Application Performance Management

Monitor Performance and Availability of your JAVA, .NET und PHP Applications

" JENNIFER is a performance management solution for monitoring and analyzing performance at each stage of the lifecycle: development, testing, launch, operations, and stabilization of applications. It has powerful features such as real-time monitoring of services and resources, performance and fault analysis, reporting, etc. Real-time monitoring and X-View help clients to handle application management tasks more quickly and efficiently. "

Application Performance Management (APM)?

Application Performance Management (APM) is a system management methodology that focuses on monitoring and managing application software performance and service utilization. It includes real user monitoring, deep dive application component monitoring, transaction monitoring, and analytics. It is a critical function managed by DevOps, IT operation, application teams, developers, support teams, business managers, and other application professionals.

HTML 5 View

JENNIFER offers N-screen monitoring implemented with standards-based HTML 5. Users can view JENNIFER screens without extra plug-ins for browsers or devices (PC, mobile, tablets, etc.).


- N-screen: Enables the user to view the same content via several different devices.
- BYOD (Bring your own device): Utilization of personal smart devices for the business activities in the company.

Monitoring Area

## Real-time Web Systems Topology View

JENNIFER's topology view is a key feature enabling visualization of Web systems across the whole enterprise. JENNIFER provides effective monitoring of the Web application server (WAS) in a black box fashion. In fact, it enables monitoring of each transaction that takes place in the WAS.

JENNIFER's advanced capabilities include monitoring of transactions in the DB, external services, HTTP server, and other subsystems associated with the WAS.
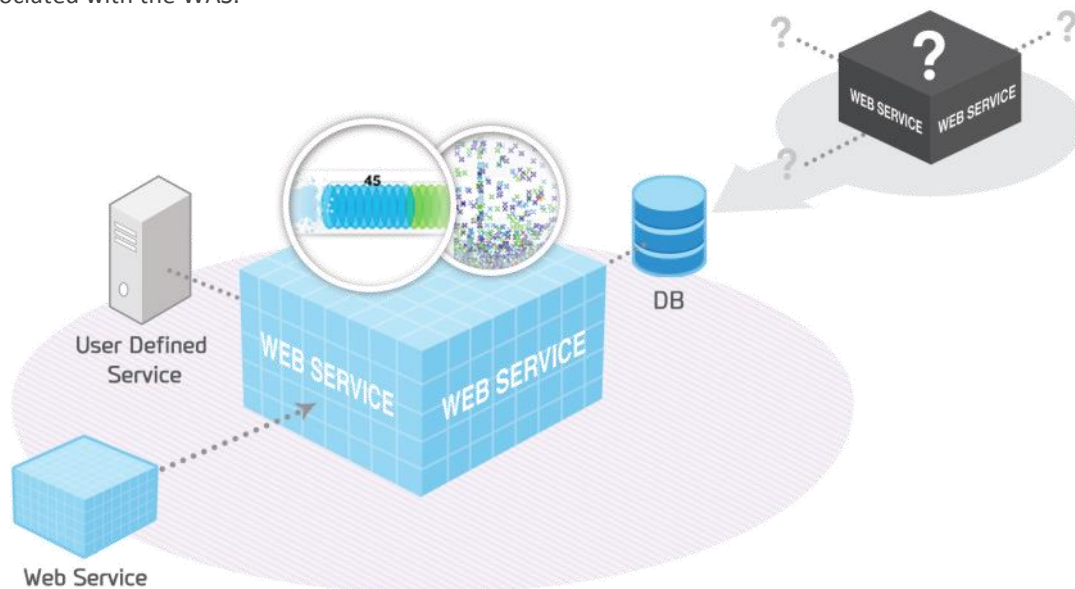
1 Real-time Monitoring of Bottleneck Sections

Using active service data for subsystems and response time data, it is possible to intuitively monitor the locations of bottlenecks. For example, it is possible to monitor whether load balancing is achieved by database (DB) dualization. This enables you to head off faults before they happen.
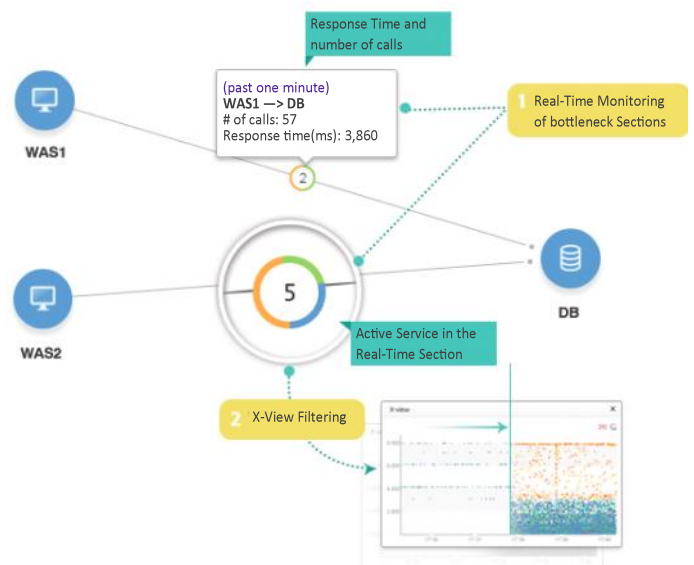
### 2 Analysis of Response Time Distribution (X-View) for All Transactions Executed in a Subsystem

It is possible to intuitively analyze all transactions executed in a subsystem through X-View.

Individual Transaction

Real-Time Active Service Monitoring

Real-Time Active service monitoring provides speed meter graphs for all processes by which user requests are handled, from immediately after the request hits the Web application server. It is possible to monitor information on transaction execution status, including which transactions are not yet processed, which users are suffering response delay, and which SQL query is currently executing.
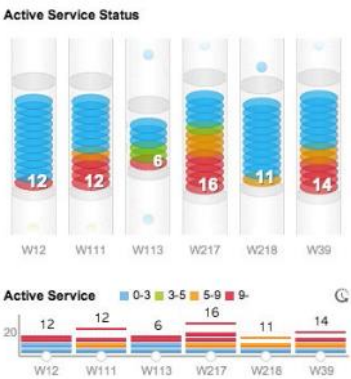
JENNIFER X-View

X-View is a chart, developed by JenniferSoft, which visualizes response times for all executed transactions in graph form. Users can monitor the response times of all services at a glance through X-View in order to discover bottleneck patterns. It also enables analysis of transactions, users, applications, etc. from various perspectives.
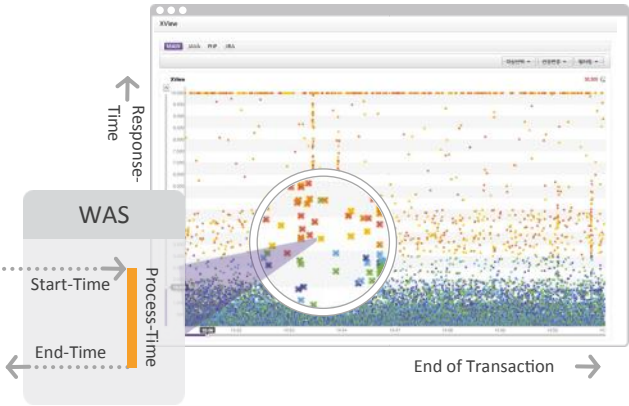
Smart Profiling

JENNIFER's X-View analysis tool, showing the response times of individual transactions, has proven its worth to many customers. Profiling and analysis of individual transactions are advanced functions tools used by developers or professionals specializing in performance tuning. So, JENNIFER also provides a Smart Profiling function that enables easy analysis and configuration of profiling data. This function is so simple to use that anyone can quickly and accurately identify the location of a performance deterioration or a processing delay in a transaction by using filtering and analysis.
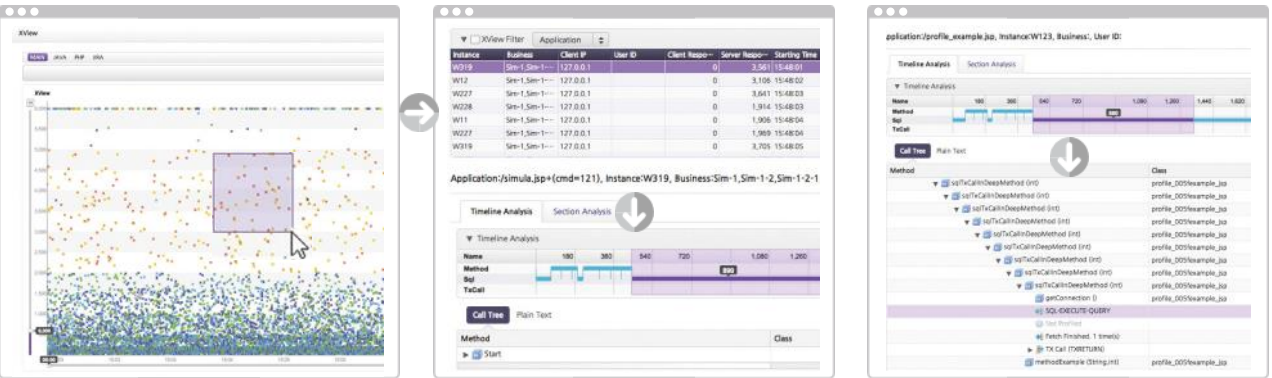
Role-Based Dashboard View
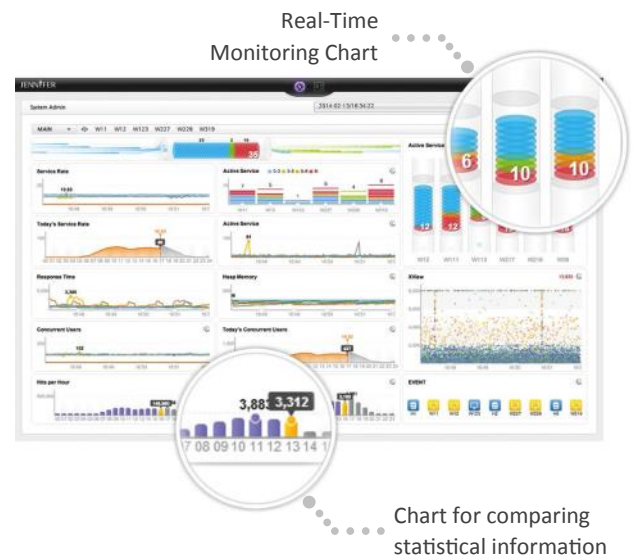
System Administrator Dashboard

When performance issues occur, the system administrator is responsible for identifying problems and stabilizing the operation of services. The system administrator dashboard consists of a real-time monitoring chart for services and system resources and a chart for comparing statistical information. With these charts, the system administrator can not only analyze the service load and performance status but also carry out normal system operations.

Manager Dashboard

Although this dashboard relates primarily to mangers in the IT department, it is possible that a consulting team or IT planning group would require the ability to monitor operations in a similar way. The manager dashboard provides monitoring functions organized into two different perspectives. With these function, the manager can intuitively identify correlations that indicate the causes of a deterioration in business performance. It is possible to see whether the deterioration is a problem with the system as a whole or only a particular part of the business. The manager can also facilitate communication between personnel who are responsible for relevant activities in the IT department or elsewhere. It is the manager's role to ensure that everyone works together to provide seamless IT services to the business. To achieve this, it is necessary to monitor both the system and the business.

Multi-Domain Dashboard

This dashboard enables management of a large-scale system in a cloud environment with minimal human input. These days, it is essential that APM solutions are able to cope with such systems. JENNIFER's multi-domain dashboard is comprised of a real-time active service chart, an overall performance chart showing the status of the entire system and a chart showing event notifications. With these tools it is possible to monitor multiple domains in a large-scale enterprise environment, in real time, and all from a single screen.

Real-Time
Monitoring Chart

Chart for comparing
statistical information

Business View   System View

Real-Time
Domain Monitoring

As new IT trends such as mobile devices, the cloud and big data have emerged, management of IT operations has become more complex. In Web environments it is becoming difficult to monitor the sheer number of transactions across multiple applications in a rigorous way. JENNIFER has revolutionized APM in terms of monitoring capabilities, the ability to inspect individual transactions, the provision of architectural and platform overviews, and in terms of its user views.

Enterprise Content Management

The SmartTouch solution ReportSafe offers you a comprehensive and robust web-based output management solution that provides all the benefits of centralized output archival and distribution. Furthermore, ReportSafe meets all the requirements of online business environments: performance, flexibility, scalability, security, speed of implementation and integration.

Able to centralize and store output from any source, including UNIX, NT, AS/400 and OS/390 (zSeries) systems, ReportSafe allows reports to be distributed via email and fax, printed or viewed globally via the Internet in an unlimited number of document types (PCL, PDF, Word, Excel, PowerPoint, Project, PostScript, …).

ReportSafe also enables ASCII reports to be easily downloaded into Excel documents and PostScript files to be converted to PDF format. Its uniquely flexible and secure two-step archiving system allows online viewing of reports by authorized users for a pre-determined length of time before automatically moving the reports to the appropriate devices for long-term archival. All reports are automatically indexed to ensure easy and fast access to the right reports, or any specific section of a report, to significantly reduce retrieval and research time and eliminate the risk of report loss or unauthorized access.
In addition, with its WebNotes and approval routing capability, ReportSafe enables you to make your own notations on reports for private or public viewing, and track and speed the approval process.

ReportSafe seamlessly integrates with an extensive range of systems and networks and can be installed within minutes. As no host programming or scripts are required, ReportSafe can be fully effective in less than one day.

Report Delivery from any Source to any Destination
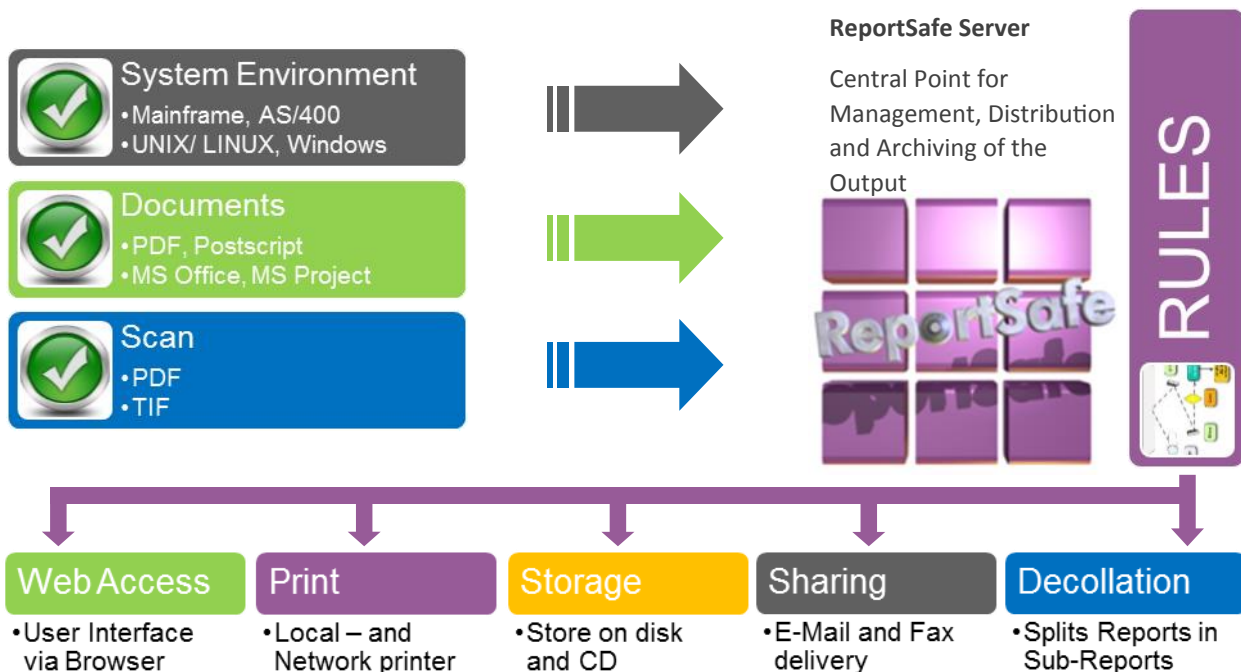
ReportSafe offers a comprehensive organization-wide solution to output management to ensure fast and secure report delivery from any source to any location in the format of choice. By centralizing and automatically indexing the online storage and archiving of all types of output, ReportSafe allows you to access the exact reports, or report sections, you require from any point in time within seconds for viewing via the Internet or distributing via email or fax, or to any Windows-networked printer.

Flexible and easy to use

Acting in much the same way as a printer, ReportSafe can quickly be installed to receive all output from across your various processing environments, without requiring any host programming or scripts. All incoming data is automatically analyzed and indexed based on customizable identification and parsing rules and then stored in the ReportSafe central online or offline repository.

From any designated web-based management console, you can easily define and customize the ReportSafe control parameters and processing and security rules for each application, user group and processing environment.
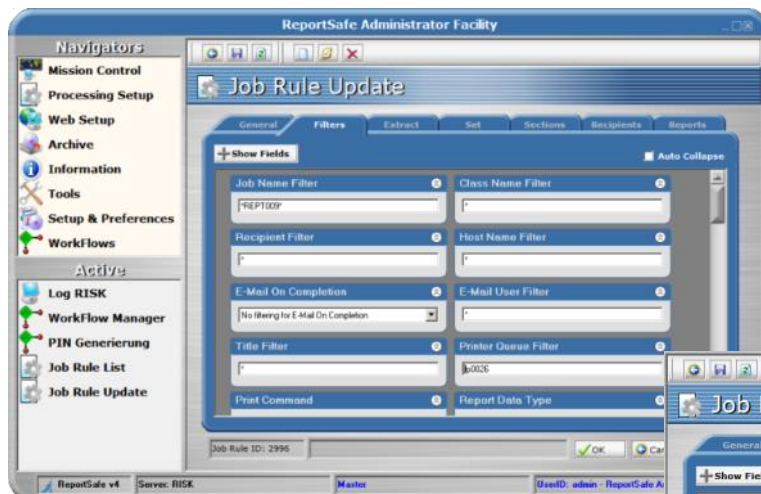

Using the Filters window, you can determine the reports to process. If the appropriate fields within the incoming data, such as job name, title, recipient, etc. match the values (including 'wildcard' characters) entered on the screen, the report is selected for further processing.

The Set window allows you to change a report's job name, title, and recipient in the incoming report identification data or provide the values, if they do not exist. You can also specify the length of time (up to 89 years) to keep the report in an active and/or archive file.
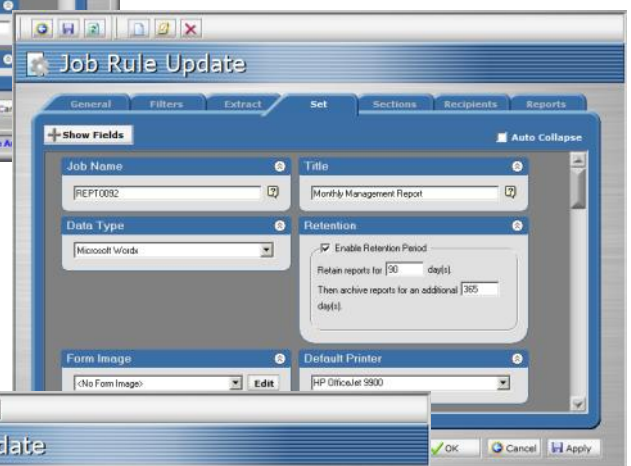
From the Recipients window, you can specify how a processed report or report section is to be delivered to individuals requiring email, fax or printer output. The email recipient can receive the entire report or just a hyperlink to the report in the ReportSafe server (to minimize electronic mailbox storage and network traffic).
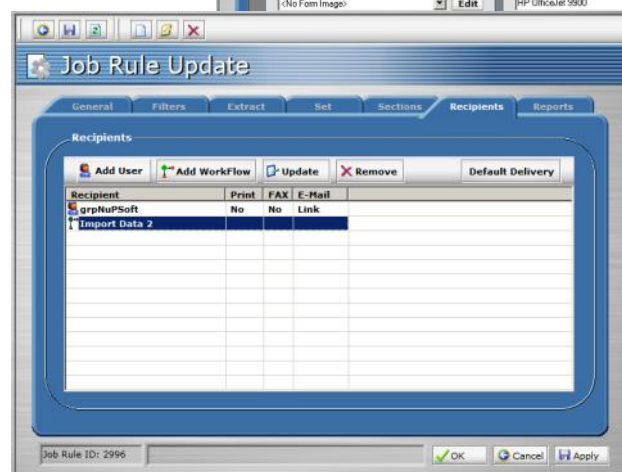
Using any popular web browser, you can call up specific reports or report sections based on a wide range of easily definable selection criteria. Provided you have the correct authorization, you can just point and click on report titles to gain instant access to current and historical reports from across the organization, via the ReportSafe central repository, in their original format or by importing them into a format of choice, such as an Excel worksheet. From the web browser, you can forward the reports by email or fax to designated users, or to any Windows-networked printer. Notification of report completion can also be emailed to the appropriate users together with a hyperlink to the ReportSafe online repository. This greatly reduces electronic mailbox storage and network traffic.

ECM - Enhance the Functionality

RS ImageManager: A complete imaging solution that is cost effective, feature rich and will grow with all your needs.

RS ImageManager handles scanned documents and performs data recognition, validation, advanced image processing, and indexing functions. The indexing includes full support for OCR (Optical Character Recognition), ICR (Intelligent Character Recognition – hand printing), OMR (Optical Mark Recognition) and both two and three-dimensional bar code recognition. Optional conversion to PDF provides full text search capabilities on indexed documents.

RS QuickDraw and RS AutoIndex

Whether you use your favorite GUI application or logged onto a mainframe CICS application, with voice commands or a touch of key, *RS QuickDraw* finds and displays related images based on information from your existing application screen. RS QuickDraw retrieves electronic documents that are associated with the screen fields currently in view. It gives any Windows or 3270 application instant access to the electronically stored documents and reports in ReportSafe.

Imagine you're in the AP system with an invoice number displayed on the screen; you press the *RS QuickDraw* hotkey and the scanned image of the invoice appears. As you view the invoice, you have the ability to make annotations on the document.

RS WorkFlow

RS WorkFlow is an automated means to seamlessly incorporate your policies and procedures into your staff's daily activities. WorkFlow automation eliminates routine decisions, redundant tasks, and maximizes your employee's efforts for decisions best suited to their expertise. *RS WorkFlow* is the solution that enables you to automate these critical decisions with confidence and ease. The automation of business processes guarantees the effort required to generate these procedures is not just sitting on a shelf. Prevent exposure to non-compliance issues or mishandling of your business information, which can impact your revenue. RS Workflow automates the routing of all types of business documents and information to eliminate time-consuming, cumbersome, and error-prone tasks.

Save significant time each day by automating tasks. Additionally, minimize the impact on your staff when policies and procedures change.

SmartTouch AIR
Analytical Image recognition for intelligent OCR/ICR from Documents.

SmartTouch AP
AP invoices – Automate standard or comprehensive AP document processing for PO, non-PO, and miscellaneous invoices.

SmartTouch HR
HR New Hires – Automate the time intense new hire process and benefits calculations.

SmartTouch PO
Requisition – Enter purchase requisitions on-line, route for approvals with speed and ease.

SmartTouch T&E
Travel & Entertainment – Enter T&E expenses on-line and route for approval, then onto AP.

IT Resource and Financial Management

KOMAND - Professional IT Resource Charge-Back And Financial Management System

KOMAND is a family of software products providing accounting for IT resources, user chargeback, financial analysis and reporting. It provides the means to identify resource use, determine the cost of utilization, and charge the appropriate system users and/or business activities.

KOMAND supports informational "memo" billing, break-even/full-recovery, full/selective profit, or a combination of these objectives. It may also be used as the backbone of product line costing, business unit accounting, forecasting, or activity based costing environments.

Each of the KOMAND Charging Systems may use standard system records (SMF or log records) or records produced from most monitor systems.

KOMAND can collect usage data from MVS platforms (CICS, DB2, IMS, CA-IDMS, batch, TSO and started task) and from a wide range of other platforms. In this way, KOMAND allows you to consolidate all chargeable information from across your entire IT organization, including human resources data, either via TSO/ISPF or a PC desktop application (KIM). KOMAND provides an extensive variety of reports, statistics and charts for accurate financial analysis.

KOMAND is an established financial management and charge back solution and is used by major enterprises in Europe and worldwide. It supports EUR, USD, GBP, CHF, JPY and any other major currency.

Resources- and Subsystem-Accounting

To equitably charge for shared environments such as CICS, DB2, IMS, CA-IDMS or NetView, it is necessary to charge at the transaction level rather than the global (region) level. In a VM environment, charging should be at the batch-job or CMS level. To accommodate these charging philosophies, KOMAND has separate charging systems for all of the products shown above.
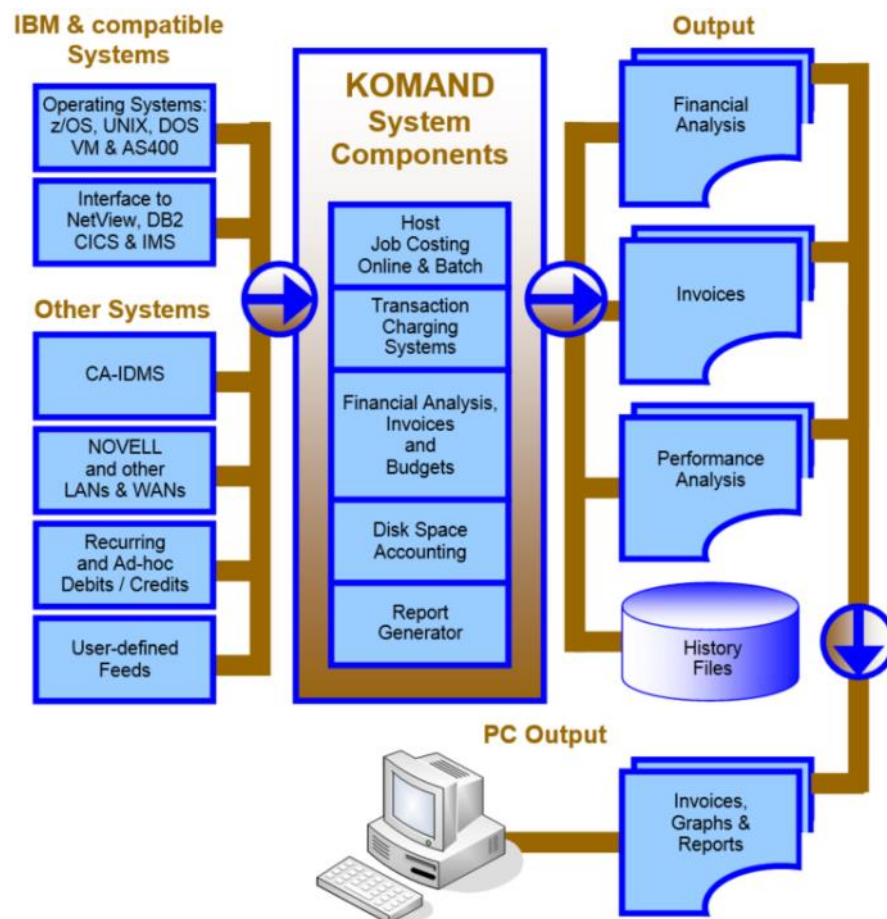
JES Spool and Host Output Management

OMC-FLASH

OMC-FLASH is the premier high performance solution for viewing and controlling job output (SYSOUT) directly from the JES2 or JES3 spool, without copying or re-spooling and without additional DASD overhead.

OMC-FLASH users get control of their Jobs and SYSOUTs before, during and after job execution. OMC-FLASH is working with very little resource consumption (CPU and I/O) while providing the user with the needed information.

OMC-FLASH for JES2 and JES3 OMC delivers extensive control possibilities for your JES Spool and works in an ISPF environment or native with a standard ISPF interface.
You can select your job output and manage it (e.g. re-queue, delete and copy) using various selection criteria.

OMC-PRINT

OMC-PRINT is the central component of a suite of enterprise-wide output and print management tools that enables high performance host output routing from the JES spool directly to local and remote VTAM print devices across the VTAM print network.

OMC-PRINT provides maximum flexibility in the selection, processing and routing of output, with support for most VTAM, PC, LAN/WAN, or TCP/IP addressable destinations and print devices. The online interactive user interface allows dynamic print network management, comprehensive output and device control, preview options and security management.

Monitoring of JES2 and JES3 spool output is as simple as a mouse click now!

OMC-TCP/IP - Host To TCP/IP Print Routing

As more and more users reside on distributed systems utilizing client/server applications, the need to route output across platforms and support distributed print devices is growing tremendously. **OMC-TCP/IP** enables IS departments to bridge the gap between the Host and distributed systems, extending output routing and print management throughout the entire computing environment.

OMC-View - Host Output Management

Online Print Preview Facility
Many expanding IS departments are working to "right-size" hard copy print processing, seeking an on-line method to determine the output which should proceed to print, be further processed, or perhaps discarded. **OMC-VIEW** provides an on-line, interactive, interface to preview and control the output of OMC managed jobs awaiting print, enabling users to immediately determine if the output awaiting print is satisfactory or desired.

OMC-VNI - Virtual Network Interface

OMC-VNI serves as a virtual network interface which integrates legacy application and TP monitor output into an overall enterprise-wide output management strategy. Routing and printing output from many legacy applications and TP monitors such as CICS and IMS is limited to a single hard-coded print device, restricting this critical output from efficiently print management or cross-platform output routing.
OMC-VNI acts as a virtual printer, emulating hard-coded print destinations found in transactions and applications and efficiency sending this output to the JES spool for management via OMC. No reprogramming or application changes are necessary, allowing all TP monitors and application output to be transparently printed at any VTAM, PC, LAN/WAN or TCP/IP addressable destination and print device defined to OMC.

The powerful OMC components provide unparalleled performance and flexibility, extensive output and device control, and the most efficient, cost-effective enterprise output management solution available anywhere.

About NuPSoft

NuPSoft is a sales, marketing, development and support organization that provides robust and proven "State-of-the-Art" business solutions on a worldwide basis. Founded in 2002 by a group of experienced multinational software distribution and IT professionals, backed by a highly skilled team of developers and engineers, NuPSoft has the expertise and market knowledge required to identify, develop, distribute and support high quality and effective IT solutions that meet the fast evolving needs of today's major business organizations. We consider our customers to be our partners, which we provide with consultation, products and support continuously. NuPSoft has the objective to be an important supplier of software solutions, services and technology integrations in all fields. To reach this goal we co-operate closely with our worldwide reputable partners of the IT industry. Apart from security, stability, user comfort and performance of our solutions we put our special attention on short development cycles with customer oriented adaptations and/or developments. Up to now the company has sales and support offices in Austria, Germany and Switzerland. From our locations we run the sales, the support and the 24x7 support for the following regions: Western Europe, Central and Eastern Europe, Middle East and South Africa.

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