

HP Output Server

Deliver information across the enterprise reliably



Streamline business workflows with HP Output Server software.



HP Output Server is the core software platform of any HP Output Management solution—the intelligent link that gets critical documents from virtually any application to nearly any destination reliably, efficiently, and cost-effectively.

Reliable information delivery

- **Deliver information reliably across the enterprise.** HP Output Server streamlines business processes while reducing the cost of delivering output to multiple destinations—including printers, faxes, email, web, FTP, PDF, wireless devices, and others.
- **Eliminate costly process breakdowns.** With features including job checkpointing and failover notification, the server automatically retains and retries jobs for quick resolution of output-related problems.
- **Resolve problems.** The server delivers real-time notification of device malfunctions, job interruptions, plus confirms delivery and automatically transforms jobs to the proper format.
- **Keep information secure.** With enhanced firewall traversal support, HP Output Server enables protected information distribution across the enterprise and to external partners.

Efficient business workflows

- **Expedite document delivery.** Streamline business processes and reduce the time from document creation to document delivery.
- **Add new printers and access advanced features effortlessly.** Incorporate new printer features into a system with limited administration: you can set up advanced options with HP Output Server, such as stapling, punching, job hold, and secure printing for faster end-user access.
- **Meet changing business needs.** Easily and flexibly capture documents and information from a wide variety of mainframe or enterprise-class applications including SAP, Oracle®, Windows®, UNIX®, or Linux-based applications. Information captured can then be delivered simultaneously to multiple destinations, such as print, fax, email, web, FTP, or wireless devices.

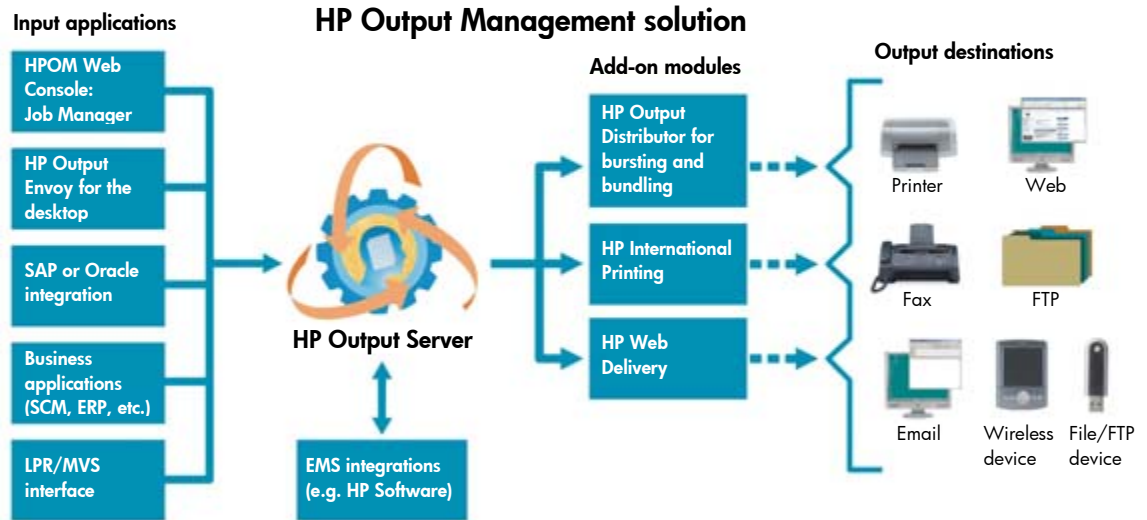
- **Automate report preparation and distribution.** HP Output Distributor is an add-on module for HP Output Server, providing automatic report delivery with advanced bursting and bundling capabilities, so users can easily send specific pages within a document to different destinations without having to manually separate the document.
- **Distribute documents directly to the Web.** Simplify information exchange and eliminate costly paper-based communications with the HP Web Delivery add-on module. Subscribers are automatically notified so they can use their web browser to securely access the customized content they need.
- **Convert international documents.** HP International Printing for HP Output Server is an add-on module that accepts Unicode™ Standard documents from enterprise applications and converts them to the appropriate format. HP Output Server can then deliver them to Unicode Standard or non-Unicode Standard enabled print devices, faxes, web, or email destinations across the enterprise—without making any printer hardware changes or additions.

Cost-effective output management

- **Track and control all output.** Get fast resolution of print job problems and lower IT costs with a single-system view of all jobs and end-to-end tracking.
- **Centralize control and operation.** Built-in management features, including HP Output Explorer, HP Envoy and HP Output Management Web Console: Job Manager, help unify the control and administration of all output resources and can be easily integrated with enterprise system management software such as HP Software (formerly HP OpenView), CA-Unicenter TNG, and IBM Tivoli TME10.

HP Output Server

HP Output Management solutions provide reliable information delivery across the enterprise



Captures

- Accepts output requests from a variety of sources
- Recognizes user-defined preferences

Transforms

- Translates documents to a format that the receiving output destination recognizes
- Provides a common interface for configuring dissimilar destination types

Routes and queues

- Routes information delivery requests intelligently
- Controls jobs centrally to reduce costs and maintenance
- Retains jobs for processing
- Schedules queues flexibly
- Provides centralized administration

Tracks

- Generates and monitors events based on job and device status
- Logs resource activity

Delivers and notifies

- Supports distribution lists for broadcast delivery
- Notifies administrators and end users of events
- Routes event notification to graphical display, wireless device, or email
- Controls access based on job attributes

HP Output Server protects revenue flow with reliable information delivery across the enterprise to output destinations such as print, fax, email, web, FTP, and wireless devices.

Reduce the risk to your revenue streams

Revenue can be lost or delayed if you can't print, fax, or email purchase orders, invoices, checks, loan applications, insurance claims, financial transaction confirmations, or contracts from your business applications. HP Output Server links your business applications to a highly reliable IT information delivery infrastructure so your business-critical documents get delivered to virtually any destination in the proper format. This includes delivery, job, queue, and destination management as well as supporting services to facilitate the delivery process, such as event, privilege, configuration, accounting, and inventory management.

The delivery manager enables enterprise-wide management, providing a single route to all output devices:

- Receives information from a variety of client sources
- Routes all requests across the WAN or LAN to the appropriate output queues in the network
- Supports distribution lists for broadcast delivery

The job and queue manager displays all enterprise jobs and queues:

- Maintains both queues and the jobs they contain until the target output device is ready to accept a job for processing
- Controls different types of queues (print, fax, web) from a single job and queue manager, as well as multiple devices within each queue
- Checks operator delivery authorizations and sets queue policy

The destination manager automatically converts job formats:

- Recognizes the format of an incoming job
- Converts automatically an incoming job to a format that the receiving output destination recognizes (for example, a PostScript® document can be automatically converted to PCL for printing on a PCL-only laser printer or can be converted for output to a fax machine)
- Eliminates need for administrators and applications to know what formats are accepted by the device

The event manager tracks both job status and output destination status:

- Offers administrators and end users opportunity to subscribe to receive notification of specified events via graphical display, wireless device, or email
- Integrates easily with popular systems management tools, such as HP Software

The privilege manager helps ensure the control and security of document delivery:

- Helps ensure that all job delivery and management operations within an HP environment are authorized
- Controls output resource access by destination, job attributes, individual, or group
- Restricts changes, if specified, to HP Output Server's configuration and resources

The configuration manager simplifies administration:

- Eliminates the need for separate client drivers to access each output resource
- Provides a single-system interface to output management resources, including support services, queues, and output destinations
- Develops a common interface for configuring dissimilar destination types; and once a resource is defined, it's immediately available to any client without requiring any modification to the client's configuration

The accounting and inventory manager also helps simplify administration by maintaining an inventory of all output resources and their related usage statistics:

- Facilitates performance measurement
- Assists load balancing
- Audits resource usage

The features of HP Output Server work together to expedite flexible document distribution and provide end-to-end tracking, management, and control. Most importantly, HP Output Server reliably delivers business-critical documents to multiple destinations across the enterprise.

Enjoy the robust features of HP Output Server

One of the major benefits of HP Output Server is that it helps centralize the control and operation of all output resources, which can improve reliability while lowering IT costs. Robust features of HP Output Server include: a **web-based interface** for job tracking and management; easy **document delivery from Microsoft® Windows® desktop applications**; and unified control and management of enterprise output resources via a **graphical user interface** to manage output resources and jobs more easily.

With HP Output Management Web Console: Job Manager, both administrators and end users can conveniently monitor and manage all their output jobs from a web browser—no matter where they are and what platform they use.



HP Output Management Web Console: Job Manager—improved job management across domains

HP Output Management Web Console: Job Manager is a powerful new feature of HP Output Server available to SAP NetWeaver customers as well as non-SAP NetWeaver customers. This new feature provides a convenient and powerful web-based interface for job tracking and management.

Efficiency

- **Satisfy the end user.** End users can resubmit, modify, pause, resume, refresh, or cancel their own jobs from any standard web browser, providing a convenient alternative to command-line applications.
- **Reduce administrative and troubleshooting time.** Administrators can track and manage multiple jobs across platforms and domains, and define which domains are available to end users.
- **Utilize existing authentication.** This new feature offers user authentication via existing applications—LDAP, SAP, and Oracle among others—which affords easy access and simplified management with a single account. Authorization is based on the access rights provided by HP Output Server Privilege Manager.
- **Manage jobs across the whole system.** Users can handle jobs across single and multiple domains without a hitch because the web format is platform independent.
- **Simplify output management for everyone.** Built for both administrators and end users, the powerful system-wide management and tracking capabilities of HP Output Server satisfy daily administrative needs. At the same time end users will appreciate the convenience of a browser interface and the ability to manage their own jobs.

Cost-effectiveness

- **Install with confidence.** This feature supports standard web browsers like Microsoft Internet Explorer and Mozilla Firefox. It streamlines processes and won't drain IT resources.
- **Customize the user interface.** End users and administrators can customize how jobs are displayed and categorized.

HP Output Envoy is an integrated suite of output management tools designed for simple control, convenience, and satisfaction for the end user.



HP Output Envoy—information delivery from the desktop

HP Output Envoy, a built-in feature of HP Output Server, enables easy information delivery from Microsoft Windows® desktop applications. With HP Output Envoy, administrators can install one client driver for easy access to all output resources throughout the enterprise. Not only can end users send output to printers, fax machines, web or other supported devices—they can track, control, and be notified of job-related events.

Simplicity

- **Streamline information delivery.** HP Output Envoy is a suite of applications—including the Delivery Agent, Job Tracker, and Event Monitor—tailored to the needs of end users. Together, they capture and route output to the HP Output Server for delivery while providing end users with a single interface to all output resources. Because the client interface is modeled on the standard Microsoft Windows application “print” operation, it greatly simplifies the task of supporting information delivery needs in corporate environments.
- **Do it all with one driver.** Delivery Agent enables users to choose a destination from their standard Windows printer list and initiate delivery to HP Output Server. The Delivery Agent requires only one client driver to access all output destinations including print, fax, email, web, and file. This destination independence reduces complexity for the user and benefits system administrators by simplifying client configuration requirements.
- **Broadcast to multiple destinations.** Delivery Agent allows users to deliver a single job simultaneously to multiple destinations. This broadcast delivery capability improves user productivity by reducing the number of steps required to deliver the same information to multiple end points.

Increased efficiency

- **Make accurate deliveries.** The directory management function of the Delivery Agent enables users to specify preferred and default personal destinations. Use of the directories improves communication by helping ensure that recipients get information delivered in the right format at the right destination.
- **Fully utilize existing resources.** Delivery Agent includes a sophisticated destination search feature that enables users to find the right output resource for a job quickly and easily. Users can perform searches based on destination attributes such as location or device type, matching job requirements with available resources.

HP Output Explorer is a comprehensive suite of administrative tools designed to both simplify and centralize administration and customize each user experience.



HP Output Explorer—centralized administration of HP Output Server resources

HP Output Explorer is a suite of administrative tools for HP Output Server that provides centralized control and a comprehensive view of all HP Output Server operations. It simplifies output management by unifying administration, operation and support.

Scalability

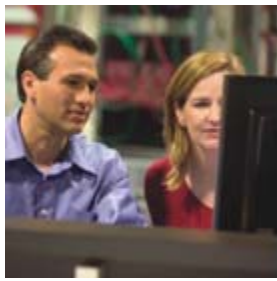
- **Customize each user experience.** The HP Output Explorer suite consists of five applications: Output Server Manager, Privilege Administrator, Event Monitor, Job Tracker, and Directory Manager. These applications can be installed in specific combinations according to the responsibilities of each administrator, helpdesk personnel, or end user.
- **Easily modify the output environment.** Output Server Manager allows users to easily create and define queues and logical and physical output destinations.

Easy and effective

- **Empower work teams.** Job Tracker manages jobs submitted to HP Output Server enabling better support of end-user output needs. Users can pause, resume, cancel, move or resubmit their jobs in addition to search functionality based on user, group, queue and logical destination.
- **Get hassle-free implementation.** HP Output Explorer lets administrators manage HP Output Server with an interface similar to Microsoft Windows Explorer. This provides users with a familiar look and feel for implementing and supporting an enterprise output service.

Centralized control

- **Stay informed.** Event Monitor detects events generated by HP Output Server's event manager. It alerts users to changes in the status of job deliveries and output devices via e-mail, wireless device or pop-up window according to user preference, enabling quick resolution of any output-related problems.
- **Secure proper access and security.** Privilege Administrator defines users and groups with access to HP Output Server and grants privileges for job delivery, job management and access to output devices.
- **Profile each user.** Directory Manager associates specific output devices with particular users and groups and stores the associations in the directory. The directory can be used to help ensure jobs reach a user's preferred location in the proper format.
- **Choose a highly compatible solution.** The tools are Windows-based, but can manage HP Output Server on any platform, whether operating a UNIX-only, Linux-only, or Windows 2003-only environment or a combination of the three.



HP Output Management solutions

End-to-end solutions

HP Output Management solutions make it easy for you to deliver business-critical documents from virtually any business application to nearly any destination reliably and efficiently while saving money. Our solutions combine enterprise information delivery software with expert implementation, integration, software support, and customer training services. We make sure you have everything you need to provide a complete end-to-end business solution for your company.

Software products

HP Output Server is the core software platform of any HP Output Management solution. It enables reliable, efficient, and cost-effective document delivery to enterprise output destinations virtually anywhere in the world via print, fax, email, FTP, web, wireless devices, file, and other formats. Add-on software modules are available for enhanced capabilities such as report distribution, web publishing, and multi-language printing, as well as integrations with SAP, Oracle Applications, HP Software, and others.

HP Output Management software products run on a large variety of operating systems and platforms including UNIX, Linux, or Microsoft Windows.

Implementation and integration services

You can choose from an extensive portfolio of enterprise implementation and integration services specifically designed to assist you in smoothly bringing your HP Output Management solution into your IT environment. Our services team provides planning, implementation, integration, and other customization assistance required to meet your business needs.

This team is available to provide end-to-end enterprise integration, combining HP products and services with software from leading enterprise application providers such as Oracle Corporation (Siebel, PeopleSoft, JD Edwards), EMC Corporation (Documentum), Monotype (Andale), and others.

We can also integrate output management capabilities with forms applications and archiving or content management software, as well as with leading high-availability solutions—including HP Serviceguard and IBM High Availability Cluster Management. This prevents network and equipment failures from disrupting your ability to access critical information.

Support services

When it comes to software support and maintenance services, HP offers a wide range of options so you can rely on the precise level of assistance your company needs.

Our support options include 9x5, 13x5, or 24x7 service hours. As part of your maintenance contract, you get regular defect repair, access to expert personnel to answer any questions you may have, and ongoing software updates—everything you need to maintain an optimally running HP Output Management solution. Your account team also takes requests you may have to enhance the HP Output Management software products or services and feeds them into HP's product enhancement process for continual improvement.

Besides the basic support offerings, we offer advanced implementation and operations enhancement services that include your choice of services such as a system health check, upgrade or migration assistance, performance optimization and tuning, and more.

Customer training services

Training helps you get the most from your solution. HP offers an HP Output Management training curriculum for delivery at HP facilities, on-site at your company, or as self-paced instruction available on a DVD. Training is essential to keeping your employees equipped with the right knowledge to optimally manage and tune your HP Output Management implementation.

A flexible purchase program for your training needs is available to help you plan and budget.

Financing services

To assist with the adoption of the HP Output Management solution, HP Financial Services offers a complete array of leasing and financing options to enable you to work within your budget and ease your cash flow. We make it easy and economical for you to deploy world-class technology complete with hardware, software, and services, on terms tailored to your unique needs.

For more information

For more information about HP Output Management solutions, please send an email to:

outputmanagement@hp.com or visit:
www.hp.com/go/outputmanagement

HP Output Management solution offerings

Product or service	Description	Number
Software		
HP Output Server	Core software platform of each HP Output Management solution with powerful new features for enhanced management of all document delivery.	T2358AA
HP Output Distributor	Automatic report delivery with advanced bursting and bundling capabilities.	T2361AA
HP Web Delivery	Customized content delivery from HP Output Server to the web.	T2362AA
HP International Printing for HP Output Server	Enables printing of a single language or multiple languages in one document using the Unicode™ Standard.	BA495AA
HP Output Manager for SAP	Integration module linking HP Output Server software with SAP applications.	C8043AA
HP Output Manager for Oracle Applications	Integration module linking HP Output Server with Oracle Applications/E-Business Suite.	Q1308AA
HP Output Manager for HP Software	Integration module linking HP Output Server with HP Software (formerly HP OpenView).	C8040AA
Other interfaces	HP can also integrate with custom or proprietary enterprise applications.	Quote on request
Implementation and integration services		
HP Output Management Assessment and Planning	A thorough, step-by-step process to capture all aspects of your information delivery environment and design just the right solution for your business' unique needs.	Quote on request
HP Output Management Implementation and Integration Services	HP experts integrate the HP solution to your legacy, proprietary and/or standard applications such as SAP or Oracle as well as any needed forms, archiving, or content management systems.	Quote on request
HP Output Management Implementation Services for SAP	Comprehensive services using proven methodologies specifically designed for SAP output environments to simplify your implementation.	Quote on request
HP Output Management Implementation Services for Oracle Applications	Comprehensive services using proven methodologies specifically designed for Oracle output environments to simplify your implementation.	Quote on request
Software support services		
HP Output Management Software Support	HP Standard Support Services provide a choice of support 9 or 13 hours a day 5 days per week. The HP Extended Support Services provide support 24 hours a day, 7 days a week.	Quote on request
HP Output Management Implementation and Operations Enhancement	Additional account-specific services are designed for businesses that run mission-critical applications and cannot tolerate downtime without significant business impact. Services include a system health check, upgrade or migration assistance, performance optimization, and more.	Quote based on individual service modules selected
Customer training services		
	HP has a complete portfolio of training classes as well as self-learning materials available on DVD. Content covers topics such as: basic system operator and system administration, advanced system administration, and usage training for add-on software.	

HP Output Server technical specifications

Supported server platforms	For HP Output Server 3.5 and HP Output Distributor Server and Client platforms: HP-UX 11.11; 64-bit kernel; HP-UX 11.23: 64-bit kernel on PA RISK and Itanium IBM AIX 5.2, 5.3; 64-bit kernel; Sun Solaris 9,10; 64-bit kernel Microsoft Windows Server 2003, Standard Edition and Enterprise Edition; 32-bit Microsoft Windows Server 2003 R2, Standard Edition and Enterprise Edition; 32-bit Red Hat Enterprise Linux ES 4.0 and AS 4.0; 32-bit kernel on x86 Red Hat Enterprise Linux ES 4.0 and AS 4.0; 64-bit kernel on x64 SUSE Linux Enterprise Server 9; 32-bit kernel on x86 and 64-bit kernel on x64 SUSE Linux Enterprise Server 10; 64-bit kernel on x64
Supported destination types	Printers: PS, PCL, ASCII text, AFP, LPD; fax; email; web; FTP; wireless device
Warranty	One-year limited warranty

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