Canon

imageWARE
Enterprise Management Console

Printer Driver Management Plug-in

Remotely install, update, and uninstall Printer Drivers and add-ins on your network.

The optional Printer Driver Management Plug-in for imageWARE Enterprise Management Console lets you remotely install/update/uninstall printer drivers and add-ins to client computers on the network.

Using this Plug-in, you can:

- **Install, uninstall, and/or upgrade Canon printer drivers** on remote workstations.
- **Centralize management of Canon printer drivers.** Maintain consistency of printer drivers across all workstations. Easily install multiple drivers on workstations using a single executable (EXE) file, keeping things simple for IT staff to manage.
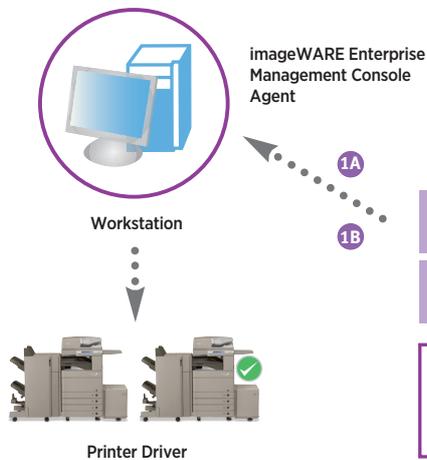
System Requirements

The Printer Driver Management Plug-in must be used with imageWARE Enterprise Management Console and conforms to the same system requirements.
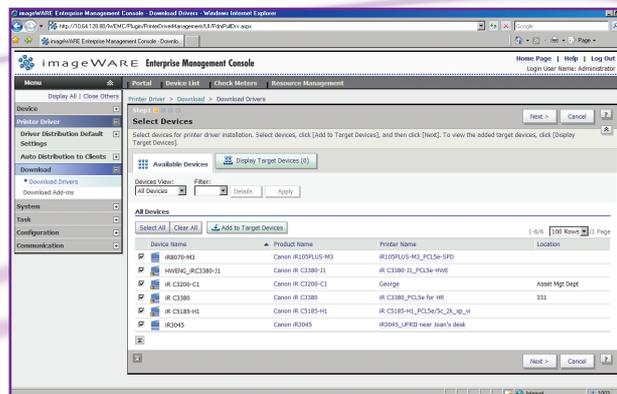
How Does the Printer Driver Management Plug-in Work?

Push Installation

imageWARE Enterprise
Management Console
Agent

Workstation

1A

1B

imageWARE
Enterprise Management Console

Printer Driver
Management Plug-in

When Printer Agent is installed,
the IT Administrator can
install/update or delete
printer drivers on the workstation.

Printer Driver

Pull Installation

DriverSetup

Workstation/Print Server

1A A task is created to install imageWARE Enterprise Management Console Printer Agent on the client workstation automatically.

1B Once the imageWARE Enterprise Management Console Printer Agent is installed successfully, a new task is created to install printer drivers on the workstation.

If imageWARE Enterprise Management Console Printer Agent is not installed on the workstation, then a Driver installer file is created from imageWARE Enterprise Management Console server and downloaded to the workstation. Once the EXE file is executed, the selected printer drivers are installed on the workstation/server.

Notes: Printers need to be discovered prior to installing printer drivers. Drivers need to be uploaded to the imageWARE Enterprise Management Console Printer driver repository (FTP).

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Meter Capture Plug-in

Easily retrieve device counters.

The optional Meter Capture Plug-in for imageWARE Enterprise Management Console automatically delivers information on how many copies and prints have been output—and in what format (e.g., color, black and white)—from network-connected devices.

Using this Plug-in, you can:

- **Automatically retrieve Canon device meters at scheduled intervals** (e.g., daily, weekly, monthly). It guarantees accuracy and eliminates the time-intensive and error-prone task of physically checking and recording each device's meter count.
- **Save retrieved meters in a CSV file for easy export.** Take meter data in its electronic format and deliver it to the next step.

- **Gather meter data from third-party devices.** Manage all Canon and other-brand devices (standard MIB-compliant and total counter) from a single console.
- **Simplify meter retrieval** with easy, task-based functionality and an intuitive user interface.
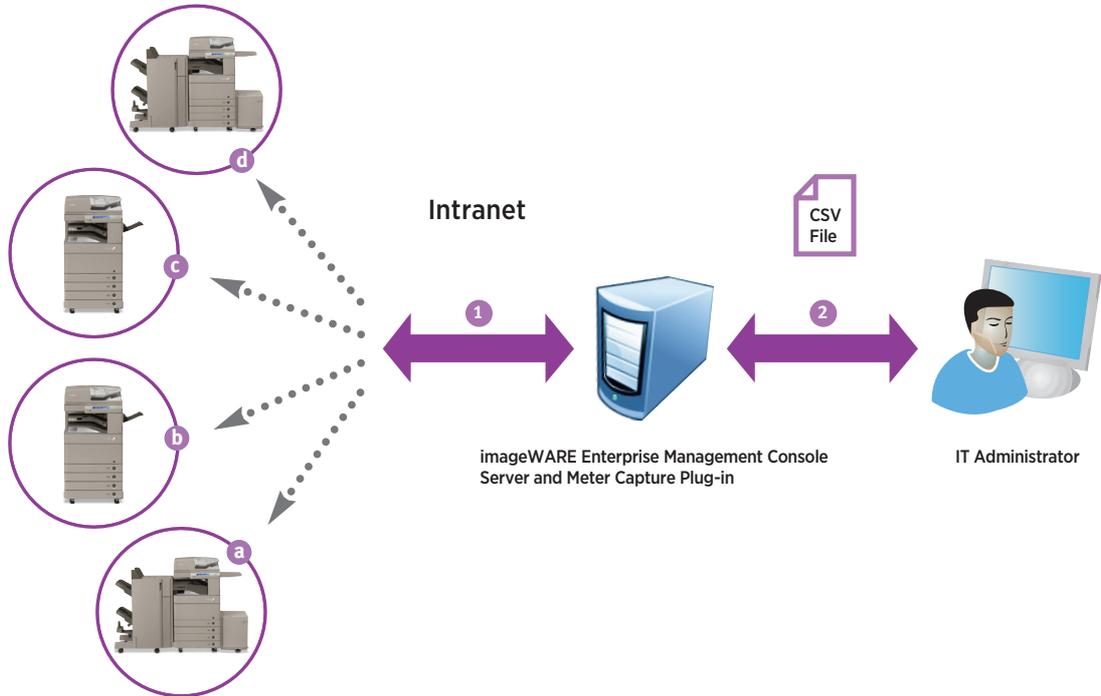
System Requirements

The Meter Capture Plug-in must be used with imageWARE Enterprise Management Console and conforms to the same system requirements.

How Does the Meter Capture Plug-in Work?

Intranet

CSV
File

1

2

**imageWARE Enterprise Management Console
Server and Meter Capture Plug-in**

IT Administrator

d

c

b

a

1 A task is created to automatically retrieve meter readings from a networked copier or printer at prescribed intervals (e.g., daily, weekly, monthly).

2 The IT manager can view the retrieved meter readings and/or export them to a CSV file.

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Address Book Management Plug-in

Centralize management of all Address Books on imageRUNNER or imageRUNNER ADVANCE systems.

The optional Address Book Management Plug-in for imageWARE Enterprise Management Console lets you create Address Books for distribution to—and retrieval from—all supported imageRUNNER or imageRUNNER ADVANCE systems on your network.

Using this Plug-in, you can:

• **Centrally manage all imageRUNNER or imageRUNNER ADVANCE system Address Books** to efficiently orga- nize and control all address information in one location.

• **Create and deploy Address Books to multiple imageRUNNER or imageRUNNER ADVANCE systems,** eliminating the need to manually input and duplicate the same Address Book on each device.

• **Retrieve multiple Address Books from any imageRUNNER or imageRUNNER ADVANCE system,** then edit and deploy them to other imageRUNNER devices. This avoids having to make edits from scratch before distribution.

How Does the Address Book Management Plug-in Work?

From any and all imageRUNNER or imageRUNNER ADVANCE systems, you can:

1. Retrieve multiple Address Books.
2. Manage and edit Address Books in one location.
3. Deploy Address Books to multiple devices simultaneously.

imageWARE Enterprise Management Console
and Address Book Management Plug-in

Retrieve Address Books

Manage/Edit Address Books

Deploy Address Books

E-mail

Fax

FTP/SMB

WebDav

IPX
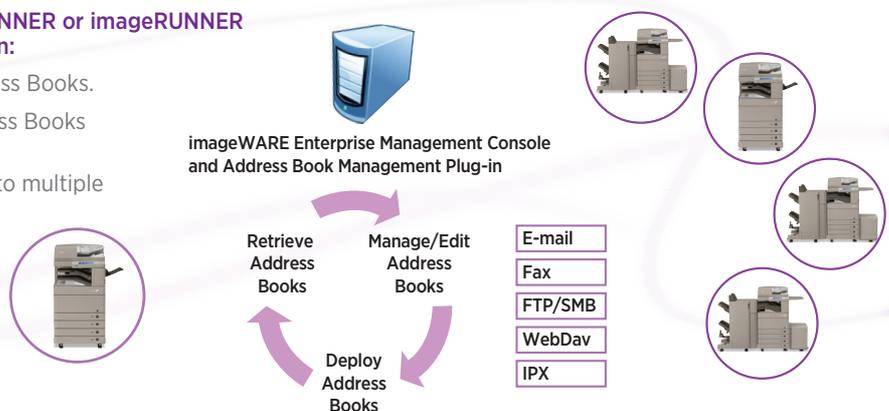
Resource Management Plug-in

Control all resource data for imageRUNNER or imageRUNNER ADVANCE systems.

The optional Resource Management Plug-in for imageWARE Enterprise Management Console manages and distributes resource data for networked imageRUNNER or imageRUNNER ADVANCE systems.

Using this Plug-in, you can:

- **Centralize management of imageRUNNER resource data** such as fonts, color profiles, and macros.
- **Upload and distribute resources to network devices** and delete any resource.

- **Create and manage "resource sets"** of the same resource type to distribute multiple resources simultaneously.

System Requirements

The Address Book Management and Resource Management Plug-ins must be used with imageWARE Enterprise Management Console and conform to the same system requirements.

How Does the Resource Management Plug-in Work?

imageWARE Enterprise Management Console and Resource Management Plug-in

IT Administrator

RGB/CMYK Profiles | Fonts | Macros

IT Administrator can easily resource data on multiple imageRUNNER or imageRUNNER ADVANCE systems such as RGB/CMYK profiles, fonts, and macros.

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imageWARE Enterprise Management Console V3.0.1 Server Requirements:

Hardware (Minimum):	**Web Server** Pentium 4, 1GHz or faster (Recommended: Intel® Core2 Duo processor, 2GHz or higher) 1024MB or more RAM 100MB HDD Space To use imageWARE Enterprise Management Console in combination with a SQL database Server, 1GB of free hard disk space is required. (Recommended: 10GB or more)
Hardware (Minimum):	**Database Server** 2GB or more (Recommended: 10GB or more) Other hardware requirements depend on the system requirements of the database software to use. (For more information, see the system requirements for each product.)
Software Operating System:	**Web Server** 32-bit Operating Systems Microsoft® Windows® XP Professional (SP3) Microsoft Windows Server 2003 Enterprise Edition (SP2) Microsoft Windows Server 2003 Standard Edition (SP2) Microsoft Windows Server 2003 R2 Enterprise Edition (SP2) Microsoft Windows Server 2003 R2 Standard Edition (SP2) Microsoft Windows Server 2008 Enterprise Edition (SP2) Microsoft Windows Server 2008 Standard Edition (SP2) Microsoft Windows Vista® Ultimate/Business/Enterprise (SP2) Microsoft Windows 7 Professional/Ultimate/Enterprise **64-bit Operating Systems** Microsoft Windows Server 2008 Enterprise Edition (SP2) Microsoft Windows Server 2008 Standard Edition (SP2) Microsoft Windows Server 2008 R2 Enterprise Edition Microsoft Windows Server 2008 R2 Standard Edition
Web Server:	Microsoft Internet Information Services 5.1/6.0/7.0/7.5
Software Operating System:	**Database Server** **Windows XP/Windows Vista/Windows Server 2003/Windows Server 2008/Windows 7** Microsoft SQL Server 2005 Service Pack 2 Microsoft SQL Server 2005 Service Pack 3 Microsoft SQL Server 2005 Express Edition Service Pack 2 Microsoft SQL Server 2005 Express Edition Service Pack 3 Microsoft SQL Server 2008 Microsoft SQL Server 2008 Service Pack 1 Microsoft SQL Server 2008 Express Edition Microsoft SQL Server 2008 Express Edition Service Pack 1

Note: It is necessary to install .NET Framework 2.0, or .NET Framework 3.0 and Microsoft Data Access Components 2.8 (Service Pack 1) to use SQL Server 2005 or SQL Server Express as the database.

.NET Framework 3.5 SP1 is required to use SQL Server 2008 or SQL Server 2008 Express as the database.

If SQL Server 2005 Service Pack 3 or SQL Server 2008 is installed in Windows XP to which Service Pack 3 has not been applied, major failure occurs on the computer. If you want to install the database software to Windows XP, apply Service Pack 3 to Windows XP before installing it. Alternatively, apply Service Pack 2 to Windows XP, and then apply all the "Critical Update" programs.

Note: All of the database and runtime environment components are bundled on the imageWARE Enterprise Management Console package. Microsoft IIS can be installed from the Microsoft operating system.

Software Runtime Environment: Microsoft .NET Framework

The versions of .NET Framework supported by each operating system are indicated below.

	Windows 2003	Windows XP	Windows Vista	Windows 7
.NET Framework 2.0 SP1	Yes	Yes	Yes*	Yes
.NET Framework 2.0 SP2	Yes	Yes	Yes	Yes
.NET Framework 3.0 SP1	Yes	Yes	Yes*	Yes
.NET Framework 3.5	Yes	Yes	Yes	Yes
.NET Framework 3.5 SP1	Yes	Yes	Yes	Yes

* Equivalent to being installed if you install .NET Framework 3.5.

Web Browser Supported:** Microsoft Internet Explorer 6.0 SP1 or later
Windows Internet Explorer 7.0
Windows Internet Explorer 8.0 (using Compatibility View)

** imageWARE Enterprise Management Console requires JavaScript. If JavaScript is disabled in Internet Explorer, imageWARE Enterprise Management Console requires the use of cookies, so enable your Web browser cookie settings.

Display Environment: SVGA 800 x 600 or higher resolution, 65536 colors or higher

Supported Virtual Environments: Microsoft Windows Server 2008 Hyper-V
Microsoft Windows Server 2008 R2 Hyper-V 2.0
VMware ESXi 3.5
VMware Workstation 6.0.5

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Accounting Management Plug-in

Track Document Usage and Control Costs

In a business environment characterized by escalating expenses and the pressure to minimize them, it's surprising that the cost of utilizing office equipment isn't managed more aggressively. Most Fortune 500 companies could not quantify the total spending associated with the use of basic equipment such as copiers, fax machines, and network printers. That is, until now.
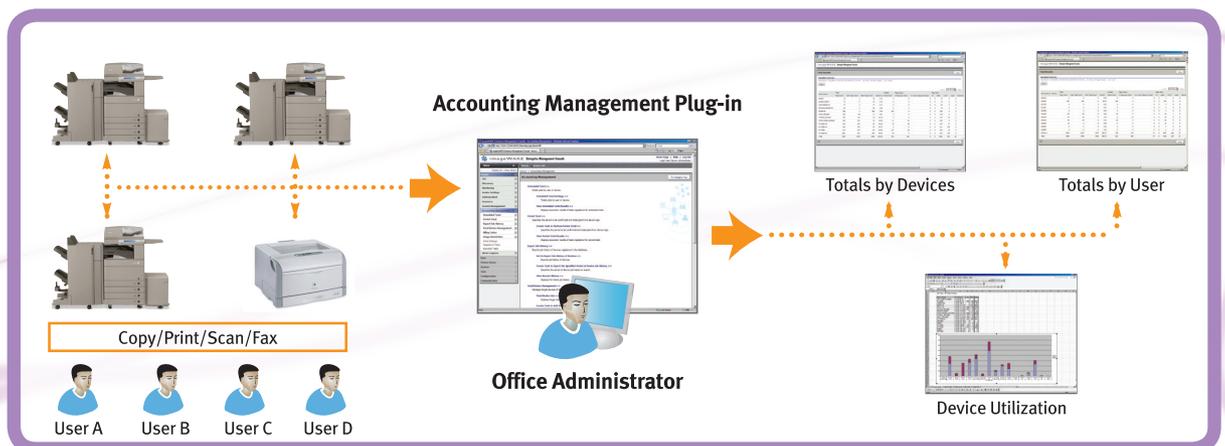
Introducing Accounting Management Plug-in

The Accounting Management Plug-in is a modular upgrade to the imageWARE Enterprise Management Console device management framework. This comprehensive Web-based software tracks, analyzes, and recovers costs associated with all networked output devices, including printers, fax machines, and copiers. With this one application, not only can IT administrators understand document output costs, they can also realize their return on investments.

Using Accounting Management Plug-in, you can:

- Track document output costs
- Offer charge-back capability with an accurate collection of billing data—on a per-project basis—for all your copies, prints, faxes, and scans
- Enforce document-level print restriction, discouraging the use of higher-cost machines and increasing overall security
- Quickly generate ROI reports
- Provide simple and efficient billing code management
- Chart the optimal deployment of office equipment

Accounting Management Plug-in

Copy/Print/Scan/Fax

User A   User B   User C   User D

Office Administrator

Totals by Devices   Totals by User

Device Utilization

Simple and Efficient Billing Code Management

The Accounting Management Plug-in provides an efficient cost-recovery solution to any organization looking to charge its clients for copies, prints, faxes, and scans. For all your imageRUNNER or imageRUNNER ADVANCE systems enabled with MEAP technology, a simple-to-use MEAP application is included. When using this program, user authentication and billing codes are input from the device's touch-panel, providing simple organization to all jobs performed by the Canon imageRUNNER or imageRUNNER ADVANCE system. For optimal efficiency, users can also enter billing data from their workstations.

Printing to a Canon device from a PC	Printing for walk-up users	Printing to a third-party printer from a PC
		Third-party Printer
Accounting Management Driver Add-in	Billing Code Plug-in (MEAP)	Accounting Management Client PC

No matter how you print, Accounting Management Plug-in will capture the billing code.

The billing code can be recorded in three ways using either:

1. Accounting Management Driver Add-in: When printing from a PC to a Canon printer.
2. Billing Code Plug-in: When a walk-up user prints directly from a Canon device.
3. Accounting Management Client PC: When printing to third-party printers, the billing code data is accepted through a pop-up window and sent directly to the Accounting Management Plug-in.

All three components are included in the Accounting Management Plug-in package.

Knowledge is Power

The Accounting Management Plug-in gives you a detailed snapshot of your organization's resources. Through this application, users can control their costs through a number of advanced capabilities:

- **Track by Paper Type:** Analyze and manage cost by paper type and size.
- **Track by Individual, Group, or Department:** Determine how devices are being used.
- **Single- or Double-sided Output:** Account for single- and double-sided output and N-up print/copy output.
- **Device Paper Consumption and Device Usage Costs:** Account for pages output, sheets used, and costs incurred by each device.
- **Output Restriction:** Distinguish between color and black-and-white jobs and set usage limits based on the number of clicks or predetermined cost.
- **Automatic Reporting:** Schedule automatic reporting and receive reports via e-mail.
- **Advanced Analysis:** Export accounting and analysis reports as CSV files for advanced analysis using a bundled Microsoft® Excel macro.
- **Web-based Access:** Generate reports or any other administrative functions from anywhere on the network.

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Access Management Plug-in

Complete Control

Now that you've purchased a new Canon Color imageRUNNER or imageRUNNER ADVANCE system, controlling its user access is the first step toward maintaining high security and preventing abusive color usage.

The Canon Access Management System allows you to configure users' access rights on a feature-by-feature basis on your imageRUNNER or imageRUNNER ADVANCE system.

By using the Access Management System, color printing is only available to those who require it. To further enhance document security on your imageRUNNER or imageRUNNER ADVANCE system, the Access Management System can also restrict many frequently used features, such as access to Web browsing, e-mail, and faxing. This is just one of the many unique features of the Access Management System.

Built-in Roles

The Access Management System provides predefined roles for every business user: Administrator, Power User, Limited User, and Guest. Additional custom roles can be defined to work in conjunction with the predefined roles to fine-tune access control.

Enterprise Scalable

• **Access Management System is suitable** for any business concerned with Multifunction Printer (MFP) security, regardless of company size.

• **With the Web-based operation** of the Access Management System, IT administrators can easily set up roles and user access on individual devices.

• **Using the optional Access Management Plug-in,** IT administrators also have the power to centrally manage multiple devices equipped with the Access Management System.

• **The Access Management Plug-in** provides Active Directory integration for quick retrieval of large user lists and groups.

Controllable Restrictions Using the Access Management System

Copy - Color copying - Two-sided copies - Page layout	Mail Box - Print/color print - Two-sided printing - Page layout

Send
- Destination type
- Specific address
  domains
- Address Book access
- Device signature PDF
	MEAP Applications
	- Features for applications
	  can be restricted separately

Web Access	**Print Job**

ROI with Canon's Access Management System

The ability to control enterprise-wide access to print, fax, and Web features on your MFPs is a significant step toward controlling expenditures and maintaining security. The Access Management System Plug-in is a simple solution that can be implemented today to provide effective cost control and heightened confidentiality.

System Requirements

The Access Management System Plug-in must be used with imageWARE Enterprise Management Console and conforms to the same system requirements.

Access Management System Scenario

**imageRUNNER or imageRUNNER ADVANCE System
without Access Management System (Unprotected)**

• No features are restricted.
• All employees can utilize all features of the device.

**imageRUNNER or imageRUNNER ADVANCE System
with Access Management System (Protected)**

• Based on requirement, IT administrators create roles for all users on the imageRUNNER or imageRUNNER ADVANCE system.
• All users must log-on to the imageRUNNER or imageRUNNER ADVANCE system and, based on their role, certain features will be disabled.

User	Unprotected	User	Protected
User A	Though he doesn't need color printing/copying, user has no restriction.	User A	With the Access Management System, user can only print in black and white.
User C	User never prints two-sided documents.	User C	By default, all printing will be two-sided.
User B	User can send unrestricted e-mails and faxes.	User B	For this user, e-mail and fax functions are restricted.
User D	A company contractor can use the custom MEAP application developed for employee use only.	User D	User now must utilize the Guest account; access to the MEAP application is prohibited.

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Device Application Management Plug-in

Install, update, and uninstall MEAP applications with their respective license to the device fleet.

The optional Device Application Management Plug-in for imageWARE Enterprise Management Console lets you remotely install, update, and uninstall MEAP applications on network connected devices on the network.

Using this Plug-in, you can:

- **Centralize Application/License Management**
  Centralize application management with one single interface. Install/uninstall applications for a batch of devices. You can also update licenses from this plug-in when the license for an application installed in your devices has expired.

- **Remotely Control Applications**
  You can start or stop applications installed within your devices from this plug-in.

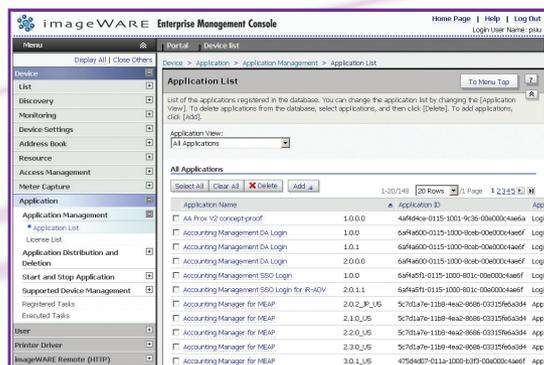- **Gather Device Application Inventory and Information**
  With the plug-in, you can check what applications are installed in your devices as well as related application information. The details can also be exported to a file as necessary.

- **Task-Based Management**
  This plug-in enables you to install and uninstall applications using tasks. A task is a specified set of operations that are automatically executed at the desired time and date.

System Requirements

The Device Application Management Plug-in must be used with imageWARE Enterprise Management Console and conforms to the same system requirements.

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Ecology Information Plug-in

Track and monitor CO_2 consumption of fleets across the enterprise.
Set targets for CO_2 reduction to meet environmental sustainability goals.

Understand CO_2 Consumption Across Your Enterprise

The Ecology Information Plug-in allows you to monitor and track the CO_2 consumption of networked devices across your enterprise. It determines CO_2 emissions by tracking power consumption together with paper use. With this powerful analytical tool, you can obtain a clear picture of your organization's CO_2 consumption. This will help you effectively set targets to meet corporate environmental initiatives and gain insights into how you can reduce power consumption costs.

Powerful Analytics

The Ecology Information Plug-in tracks CO_2 consumption as it occurs throughout the enterprise. Built within the imageWARE Enterprise Management Console (EMC) infrastructure, the Plug-in monitors at the device status level. This means that it can track jobs as they're being processed, and it can recognize the time and different levels of energy consumption statistics occurring at various stages, such as job processing, standby, sleep mode, and power off.* For you, this provides a clear, comprehensive picture of the power and paper being consumed across your enterprise. And when the Ecology Information Plug-in is operating in collaboration with the Accounting Management Plug-in,** the level of analytics expands to include detail by both user and user group as well as detail by device and device group.

Simulate Savings for CO_2 Reduction Impact

Understanding the statistics is helpful, but it's not enough. You need to understand what changes can be made to truly impact your organization and help you meet your goals. The Ecology Information Plug-in provides a unique feature that allows you to estimate potential savings of CO_2 emissions. After printing statistics have been gathered for a period of time, you can select from a savings estimation setting, such as duplex, N-up, or both. The estimated reduction will overlay into a graph, providing a quick analysis of the potential impact made by the change in printing behavior.

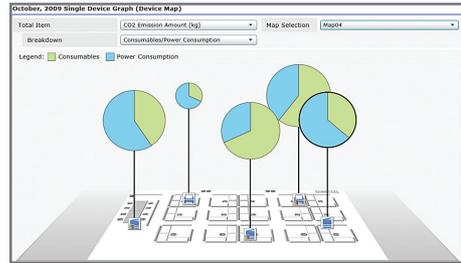## Visually Intuitive Graphs and Displays for Quick Insight

The Ecology Information Plug-in offers a visually intuitive graphical display of data and statistics, allowing you to quickly analyze the environmental impact of the fleet across the enterprise. Drilling down with a single click into high-level details—device, user, or date and time, as well as viewing the devices and their power usage on a floor map—makes it easier for the IT Administrator to assess and plan for the environment.
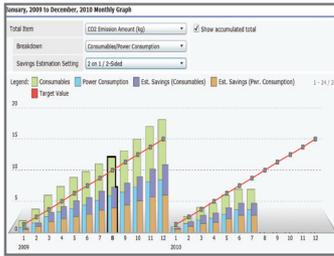
- Visualize cumulative values of actual CO_2 emissions of power and consumables, and set target reduction values.
- Simulate savings estimations by setting a change in printing behavior, such as duplex, or N-up.
- Track year over year against targets quickly and easily.

- Quickly visualize the power consumption per device in a floor map graphical display.
- Circle graphs represent absolute value of CO_2 consumption, and can be easily moved on the screen using drag-and-drop capability.

- Drill down in a single click to obtain more details of total information by device, user, time of day, hours, etc.
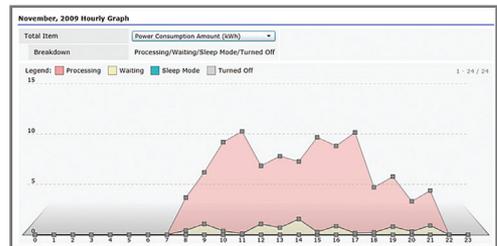
- Monitor, over a day's time, the averages of devices in modes such as processing, waiting, and sleep to determine any anomalies.

The energy consumption calculation is based on assumed conditions. The actual energy consumption will vary depending on various conditions such as room temperature, the job pattern, product configuration (accessories), and machine settings (sleep mode, etc.).

  * The availability to track data and simulate savings at the user level is only available when used in conjunction with the Accounting Manager Plug-in v2.1 and later.

** Levels of Device Status tracking capability is limited for devices other than Canon.

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