



PrintFleet Optimizer Standard Report Fields

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Overview

This document describes the fields that are available for use in standard reports. The fields are divided according to the datasets and subtypes in which they are found in the user interface.

Device Dataset

The fields in the device dataset are used to provide information about devices and in some cases about the host machines to which the devices are connected.

Field Type: Common

The common fields typically identify the device, or provide information about the basic properties of the device.

Field	Description
Asset Number	A number assigned by a company to identify their devices.



Device Id	The globally unique identifier assigned by PrintFleet for each device.
Device Name	The name of the device.
Device Status	The status for the device. This reflects the most serious condition currently being reported by the device (Error, Warning, or OK). If the device has not reported for a specified number of days, the device status will be Stale. If the device is not reporting, the status will be N/A.
Device String	The user-defined combination of device attributes used to identify devices.
Device Type	The type of connection used by the device (network or local).
Display Panel	The most recently reported content from the display panel of the device.
Firmware	The version of the firmware installed on the device.
First Reported	The date and time the device was first detected on your system by PrintFleet.
Group	The group to which a device has been assigned.
Group Breadcrumb	The full hierarchical path for the group.
Hostname	The unique name by which a computer is known on a network.
Install Date	If available, the date and time the device was first installed.
IP Address	For a network-connected device, the IP address of the device. For a locally-connected device, the IP address of the computer to which the device is attached.
Last Reported	The last date and time for which information was received from the device.
Location	The user-defined location of the device.
MAC Address	The MAC (Media Access Control) address of the device.
Management Status	The management status of the device (Managed or Unmanaged).
Record Count	The number of items in a grouping. See the user guide for more information about the use of this field.
Serial Number	The manufacturer-provided number used to uniquely identify a device.
System Description	The sysDescription value stored in the MIB for the device (as described in RFC-1213).
System Name	The sysName value stored in the MIB for the device (as described in RFC-1213).



Field Type: Model

The model fields display information related to the model currently associated with the device.

Note that for the fields which are used to indicate which functions a model supports (such as Is Copier, Is Fax, and Is Scanner), a given model may support multiple functions.

- In some cases models may be available from the manufacturer with one or two basic functions, but additional functions can be supported through optional add-ons. For example the base model may be just a printer, but could be purchased with an option added to provide fax capabilities. In these cases the PrintFleet model database typically records just the functionality associated with the base model.
- In other cases the manufacturer may assign a different model name to each supported configuration of functions, in which case the PrintFleet model database records all of the functions that are associated with each model name.

Field	Description
Duty Cycle	The manufacturer-provided maximum number of pages the device model could reliably print per month.
Introduced	The date the model was made available to the public by the manufacturer.
Is Color	Indicates whether the device is capable of printing in color (True) or not (False).
Is Copier	Indicates whether the model has the ability to function as a copier.
Is Fax	Indicates whether the model has the ability to function as a fax machine.
Is Label Printer	Indicates whether the model has the ability to function as a label printer.
Is Plotter	Indicates whether the model has the ability to function as a plotter.
Is Printer	Indicates whether the model has the ability to function as a printer.
Is Scanner	Indicates whether the model has the ability to function as a scanner.
Manufacturer	The company that manufactured the device.
Model Match Updated	The date on which the current model was matched to the device.
Model Name	The name of the model with which the device has been associated.



Field Type: Meters Custom

The custom meter fields display information about a specified meter for the device. By default, when you choose the Meters Custom field type, the Meter Label field is automatically set to the LIFECOUNT meter. If you want to report on a different meter, type the name of that meter in the Meter Label box. For a list of the meters available for a given device, go to the Meters tab of the Device Detail page for that device.

Field	Description
End Value	The value of the specified meter as of a specified end date.
End Value Date	The date on which the specified meter's End Value was last reported.
Filtered Delta	The difference in the number of pages for the specified meter over a specified period. This value is calculated using data which has been filtered to remove anomalies.
Start Value	The value of the specified meter as of a specified start date.
Start Value Date	The date on which the specified meter's Start Value was first reported.
Unfiltered Delta	The difference in the number of pages for the specified meter over a specified period. This value is calculated by subtracting the Start Value from the End Value. Unlike the Filtered Delta, this value ignores anomalies in the data.

Field Type: Meters Common

The common meter fields display information about the number of pages printed by the device.

Field	Description
Color Life Count Current Value	The current value of the Color Life Count meter. This usually indicates the total number of color pages printed over the life of the device.
Color Life Count End Value	The value of the Color Life Count meter as of a specified end date.
Color Life Count End Value Date	The date on which the Color Life Count End Value was last reported.
Color Life Count Filtered Delta	The number of color pages printed over a specified period. This value is calculated using data which has been filtered to remove anomalies.
Color Life Count Unfiltered Delta	The number of color pages printed over a specified period. This value is calculated by subtracting the Color Life Count Start Value from the Color Life Count End Value. Unlike the Color Life Count Filtered Delta, this value ignores anomalies in the data.
Color Life Count Start Value	The value of the Color Life Count meter as of a specified start date.
Color Life Count Start Value Date	The date on which the Color Life Count Start Value was first reported.
Mono Life Count Current Value	The current value of the Mono Life Count meter. This usually indicates the total number of monochrome (black and white) pages printed over the life of the



	device.
Mono Life Count End Value	The value of the Mono Life Count meter as of a specified end date.
Mono Life Count End Value Date	The date on which the Mono Life Count End Value was last reported.
Mono Life Count Filtered Delta	The number of monochrome pages printed over a specified period. This value is calculated using data which has been filtered to remove anomalies.
Mono Life Count Unfiltered Delta	The number of monochrome pages printed over a specified period. This value is calculated by subtracting the Mono Life Count Start Value from the Mono Life Count End Value. Unlike the Mono Life Count Filtered Delta, this value ignores anomalies in the data.
Mono Life Count Start Value	The value of the Mono Life Count meter as of a specified start date.
Mono Life Count Start Value Date	The date on which the Mono Life Count Start Value was first reported.
Pages in 30 Days	The total number of pages (both color and monochrome) printed during the past 30 days.
Pages in 7 Days	The total number of pages (both color and monochrome) printed during the past 7 days.
Pages This Month	The total number of pages (both color and monochrome) printed during this calendar month.
Pages Yesterday	The total number of pages (both color and monochrome) printed yesterday.
Total Life Count Current Value	The current value of the Total Life Count meter. This usually indicates the total number of pages (both color and monochrome) printed over the life of the device.
Total Life Count End Value	The value of the Total Life Count meter as of a specified end date.
Total Life Count End Value Date	The date on which the Total Life Count End Value was last reported.
Total Life Count Filtered Delta	The total number of pages (both color and monochrome) printed over a specified period. This value is calculated using data which has been filtered to remove anomalies.
Total Life Count Unfiltered Delta	The total number of pages (both color and monochrome) printed over a specified period. This value is calculated by subtracting the Total Life Count Start Value from the Total Life Count End Value. Unlike the Total Life Count Filtered Delta, this value ignores anomalies in the data.
Total Life Count Start Value	The value of the Total Life Count meter as of a specified start date.
Total Life Count Start Value Date	The date on which the Total Life Count Start Value was first reported.



Field Type: Power

The power fields display information about the power consumed by a device.

Field	Description
Power Page Cost Estimate	The estimated cost of power per page for the device over the last 30 days.
Power Usage – 30 days	The estimated power usage for the device over the last 30 days (in kW h).
Power Usage Cost Estimate – 30 days	The estimated power usage cost for the device over the last 30 days. This is calculated by multiplying the 'Power Usage – 30 days' value by the 'Cost per kW h' value (as specified on the My Preferences page).
Watts Idle	The number of watts the device uses when idle (as indicated by the manufacturer's specifications for the associated model).
Watts Operating	The number of watts the device uses when printing or copying (as indicated by the manufacturer's specifications for the associated model).

Field Type: Supply

A supply is any substance (such as toner) that is consumed during routine operation of a device. Currently PrintFleet only supports reporting on toner levels in standard reports. When possible the toner levels are displayed as percentages remaining, but some devices report levels as a status (such as OK, Low, or Empty).

Field	Description
Black Toner	The level of black toner in the device.
Cyan Toner	The level of cyan toner in the device.
Magenta Toner	The level of magenta toner in the device.
Yellow Toner	The level of yellow toner in the device.

Field Type: PPM

The PPM fields reflect the manufacturer-provided ratings of the model with which a device is associated.

Field	Description
Black PPM	The number of monochrome pages the device can print per minute.
Color PPM	The number of color pages the device can print per minute.



Field Type: Yield

The yield fields reflect the estimated number of pages that a given toner cartridge can print over its lifetime. These estimates are provided by the manufacturer of the toner cartridge, and are based on an estimated coverage (typically 5% or 6%) which may not reflect your actual use of the device.

Also, the yield reflects the capacity rating of the toner cartridge that is associated with the model. Although some models are capable of using any of multiple cartridges with different yields (such as a standard-yield cartridge of 2500 pages or a high-yield cartridge of 5000 pages), by PrintFleet convention each model is always associated with the standard-capacity toner cartridge. Thus, the yield values displayed in the report may not match the yield values of the cartridges in use in your device.

Field	Description
Black Yield	The manufacturer-provided estimate of the number of pages the black toner cartridge is capable of printing.
Cyan Yield	The manufacturer-provided estimate of the number of pages the cyan toner cartridge is capable of printing.
Magenta Yield	The manufacturer-provided estimate of the number of pages the magenta toner cartridge is capable of printing.
Yellow Yield	The manufacturer-provided estimate of the number of pages the yellow toner cartridge is capable of printing.

Field Type: OEM Part Number

Each OEM part number field reflects the part number of a given supply (such as a toner cartridge) as specified by the Original Equipment Manufacturer (OEM). Note that the part number displayed is that of the supply that is associated with the model, and this may not be the supply that is in use in your device. For example, some models are capable of using any of multiple supplies (such as a standard-yield toner cartridge or a high-yield toner cartridge). Each model is always associated with one of each type of supply, and by convention it is always the standard-yield supply. Thus, the report will display the part number of the standard-yield supply even though you may be using the high-yield supply with a different part number.

Field	Description
Black OEM Part Number	The part number of the black marker (toner or ink) for the device.
Cyan OEM Part Number	The part number of the cyan marker (toner or ink) for the device.
Magenta OEM Part Number	The part number of the magenta marker (toner or ink) for the device.
Yellow OEM Part Number	The part number of the yellow marker (toner or ink) for the device.



Field Type: Coverage

The coverage fields display the percentage of a letter-sized (8.5" x 11") page that is typically covered by marker (toner or ink). Some devices report their coverage values directly, and in such cases these reported values are the ones that will be used in reports. For other devices the coverage values must be calculated based on other information, including the yield of the cartridge associated with the model and the number of pages printed over the past 30 days. If there is insufficient information available to make the calculation, no coverage value will be recorded for the device. Similarly, a Total Coverage value may not be recorded if a Color Coverage value is unavailable.

Field	Description
Color Coverage	The coverage for color pages for the device.
Color Coverage Source	Indicates the source of the color coverage value: Device or Calculated.
Mono Coverage	The coverage for monochrome pages for the device.
Mono Coverage Source	Indicates the source of the mono coverage value: Device or Calculated.
Total Coverage	The combined coverage for color and monochrome pages for the device.
Total Coverage Source	Indicates the source of the total coverage value: Device or Calculated.

Field Type: Supply Custom

The custom supply field displays information about a specified supply for the device. By default, when you choose the Supply Custom field type, the Supply Label field is automatically set to the TONERLEVEL_BLACK supply. If you want to report on a different supply, type the name of that supply in the Supply Label box. For a list of the supplies available for a given device, go to the Supplies tab of the Device Detail page for that device.

Field	Description
Supply Level	The last reported level of the specified supply.

Field Type: Custom Field

The custom fields display the values associated with custom fields you have defined in your system.



DCA Dataset

The fields in the DCA dataset are used to provide information about Printer DCAs.

Field Type: Common

Most of the common DCA fields are used to identify a Printer DCA or the computer on which it is installed, as well as to provide some basic information about the network connections. Other fields (those with semaphore in their names) are related to semaphore commands created for a DCA.

NOTE: If you include any of these semaphore fields in a report, the report will generate one row for each semaphore command created for each Printer DCAs included in the report.

Field	Description
Activation PIN	The PrintFleet-generated code required in order to activate the Printer DCA. For any Printer DC A that has already been activated, this field will be blank.
Activation Status	The status of the Printer DCA (Active, Stale, Inactive, Expired, or Pending).
Created	The date and time the Printer DCA was first activated.
DCA Name	The name by which the Printer DCA is identified.
DNS Server 1	The IP address of the primary Domain Name Server of the machine on which the Printer DCA is installed.
DNS Server 2	The IP address of the secondary Domain Name Server of the machine on which the Printer DCA is installed.
Domain	The network domain of the machine on which the Printer DCA is installed.
Expiry	The date and time at which the Printer DCA is set to expire.
Gateway	The IP address of the gateway for the machine on which the Printer DCA is installed.
Group	The group to which the Printer DCA has been assigned.
Group Breadcrumb	The full hierarchical path for the group to which the Printer DCA has been assigned.
Hostname	The hostname of the machine on which the Printer DCA is installed.
IP Address	The IP address of the machine on which the Printer DCA is installed.
Last Updated	The date and time the Printer DCA last uploaded a scan file.
MAC Address	The MAC (Media Access Control) address of the machine on which the Printer DCA is installed.
Network Device Name	As reported in Windows, the name of the network card in the machine on which the Printer DCA is installed.
OS	The operating system of the machine on which the Printer DCA is installed.
Semaphore Command Created	The date and time the semaphore command was created on the server.
Semaphore Command Executed	The date and time the semaphore command was executed by the Printer DCA.



Semaphore	This field is not currently used. It will always return a value of 'Not Defined'.
Command Result	
Semaphore	The status of the semaphore command (Queued, Ready for Sending, Sent, Received, Failed to be Sent, Execution Started, Execution Failed, Execution Succeeded, or Cancelled).
Command Status	
Semaphore	The date and time the semaphore command was transferred from the server to the Printer DCA.
Command	
Transferred	
Semaphore	The date and time the semaphore command was edited.
Command	
Updated	
Serial Number	The serial number of the machine on which the Printer DCA is installed.
Subnet Mask	The subnet mask for the machine on which the Printer DCA is installed.
Version	The version of the Printer DCA.
