

ApeosWare Management Suite 2

Job Log Analyzer User Guide

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Refer to “Setup Guide” for “About Manuals and Accessory Tools”, “Conventions”, and trademark.

Product information is provided at our Internet homepage. Visit https://www.fujifilm.com/fbglobal/eng/product/aw_manage_suite

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1 Job Log Analyzer

What Is Job Log Analyzer?

Job Log Analyzer is a macro program of Excel which creates an accounting report and a graph tallying job log files.

What You Can Do with Job Log Analyzer

This section describes what you can do with Job Log Analyzer and its features.

Creating Accounting Reports and Graphs with Excel Worksheets

As Job Log Analyzer is an Excel macro-program, accounted lists and graphs are created with Excel worksheets. You can edit or process reports and graphs with Excel, and import them into other applications.

Calculation Using Job Log Files

ApeosWare Management Suite saves jobs collected from devices in a database, and furthermore saves them as files. The latter are called job log files. Job log files are used in the calculation performed with Job Log Analyzer.

The job log of the device for which the collection type is [Printer MIB(SNMP)] can be accounted with Job Log Analyzer.

Also, the job logs collected by software other than ApeosWare Management Suite can be accounted with Job Log Analyzer by following the provisions.



Refer

- "Accounting Report Created from Job Log File of Printer MIB Collection" (P.81)
- "Accounting of Job Logs Collected by Software Other Than ApeosWare Management Suite" (P.89)

Various Reports and Graphs

Graphs and lists are prepared in advance, accounted from various categories such as per user, organization, and device. The lists and graphs created with Job Log Analyzer hereinafter collectively are referred to as "reports". On analysis reports, you can display possible paper reduction and actual paper reduction.

- Possible paper reduction

Based on the number of sheets actually output, calculates possible paper reduction in 2 sided printing or pages per side printing. You can use this when you set the paper reduction goal.

- Actual paper reduction

Comparing to outputting with 1 sided printing and 1 Page printing, calculates actual paper reduction by 2 sided printing and pages per side printing. You can use this when you confirm the paper reduction status.

Adding Information Using Setting Files and Limiting Report Targets

Using setting files, you can display user attributes such as names and Organizations, calculate charges of paper and calls, and create reports with target devices filtered.

Customizing Reports

Users can set the report format independently.

Executing Independent Processing by Users

As a job log creation tool, a procedure that the user can call is available. While you are creating a report, you can execute independent processing.

Types of Accounting Reports

Reports created with Job Log Analyzer generally can be classified as Accounting by Period, Accounting by Month, and Operation graphs. This section outlines each type of report.

Accounting by Period Reports

For Accounting by Period reports, specify a period up to one year (366 days), account the job logs, and create the report.

You can select the report type from 2 types "Accounting" and "Analysis". "Accounting" creates a report for confirming the output counts such as the number of scans and the number of output pages.

"Analysis" creates a report for confirming possible paper reduction and actual paper reduction.



Refer

- Operation for creating accounting by period reports→"Basic Procedure for Accounting by Period" (P.36)
- Details of accounting by period reports→"Reports That Can Be Created with Accounting by Period" (P.44)

Accounting by Month Reports

Accounting by Month accounts job logs per month, and creates a cumulative report that records values for each month. The longest period that can be specified is 24 months.

You can select the report type from 2 types "Accounting" and "Analysis". "Accounting" creates a report for confirming the output counts such as the number of scans and the number of output pages.

"Analysis" creates a report for confirming possible paper reduction and actual paper reduction.



Refer

- Operation for creating accounting by month reports→"Basic procedure of Accounting by Month" (P.37)
- Details of accounting by month reports→"Reports That Can Be Created with Accounting by Month" (P.69)

Operation Graphs

For operation graphs, specify the date and device, and create reports as graphs of the operation status for the entire day. The following types of graphs can be selected.

Impressions by periods and device names

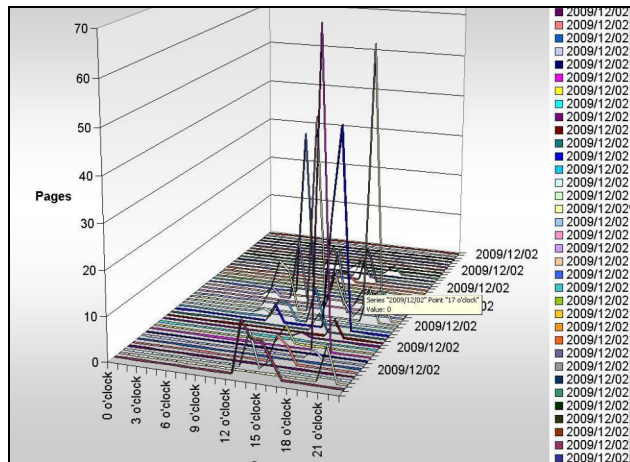
This is a 3D line graph for which the vertical axis is set to "Impressions", the horizontal axis is set to "Period", and the remark is set to "Device Name".

Impressions by periods and dates

This is a 3D line graph for which the vertical axis is set to "Impressions", the horizontal axis is set to "Period", and the remark is set to "Date".

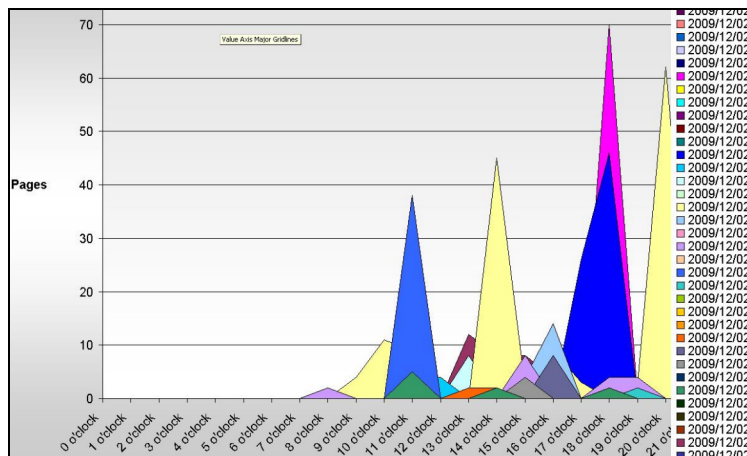
Impressions by periods and services

This is a 3D line graph for which the vertical axis is set to “Impressions”, the horizontal axis is set to “Period”, and the remark is set to the six types “Print”, “Print Inbound Fax”, “System Sheet”, “Copy”, “Scan”, and “Fax Send”. An example of a 3D line graph is shown in the following figure.



Impressions by periods and run-lengths

This is a stacked line graph for which the vertical axis is set to “Impressions”, the horizontal axis is set to “Period”, and the remark is set to “Run Length”. An example of a stacked line graph is shown in the figure below.



Note

The run length indicates the number of copies output with one print operation.



Refer

Operation for creating operation graph reports→“Basic Procedure for Creating Operation Graphs” (P.39)

Install Job Log Analyzer

This section describes the environment required for installing Job Log Analyzer as well as the installation and uninstallation procedures.

Environment Required for Installing Job Log Analyzer

For the latest operating environment, please visit our official website.

Installation Procedure

Install Job Log Analyzer according to the following procedure.

1. Log in to the computer on which to install Job Log Analyzer as a user of the Administrators Group
2. Exit all running applications.
3. Insert the DVD-ROM provided with the product package of ApeosWare Management Suite into the DVD drive.
The installation screen is activated.
4. Select [Job Log Analyzer] in the tool list and execute installation.
5. From this step, follow the instructions on the screen to complete the installation.
Job Log Analyzer is an Excel macro program. You can use Job Log Analyzer only if you execute a macro with Excel.



Operation for enabling macro execution → Help for Excel

Uninstallation Procedure

For uninstallation, open Windows Control Panel, and use “Uninstall” to uninstall Job Log Analyzer. Select [FUJIFILM Job Log Analyzer] in the program list and execute uninstallation.
When the [User Account Control] dialog box appears during uninstallation, click [Next].

Setting Accounting

This section describes the items of the [Settings] sheet of Job Log Analyzer.
After you install Job Log Analyzer, definitely set the items of [Log File Folder]. Set other items as necessary.

Start Job Log Analyzer

To start Job Log Analyzer, from the Windows Start Up Menu, select [FUJIFILM] > [Job Log Analyzer].



When “Macros have been disabled” is displayed on the tool bar, enable the content.

Setting the Folder for Log Files

Job Log Analyzer uses job log files and accounts the files. Since the location of the folder storing the job log files is not yet specified immediately after you install Job Log Analyzer, set it by the following procedure.



Note

When you access a folder of a log file on the ApeosWare Management Suite server from computer on which Job Log Analyzer is installed, share the folder of the log file.

1. From the Windows Start Up Menu, select [FUJIFILM] > [Job Log Analyzer].
An error message is displayed indicating that the folder of the job log file is not specified.
2. Click [OK].
Job Log Analyzer is opened with Excel.
3. Click [Settings] of Job Log Analyzer.
4. On the [Settings] sheet, click [Browse] of [Log File Folder].

Period	Month	Graph	Search	Settings	Information
You must delete the cache for the changed settings to take effect in the next report creation. Click [Delete Cache] to delete the cache.					Delete Cache
					Confirm Settings
Job Log Settings					
Folder Settings			Set Value		
Log File Folder [required]			Browse		
Cache Folder			Browse C:\¥Job Log Analyzer¥Cache		

5. In the [Browse for Folder] dialog box, select the folder for the job log files.
Select a folder one level above a folder whose name is a date such as "20210401".
For example, if the folder is on a level such as "D:\Log\JobLogs\20210401", select "D:\Log\JobLogs".



Note

When there is no folder for the date format in the specified folder, clicking [Period], [Month], [Graph], or [Search] displays an error message.

6. Click [OK].
7. As necessary, set the other items of the [Settings] sheet.
Since the default value of each item is set on the [Settings] sheet, you can execute accounting even without setting the values.



Refer

"Outline of [Settings] Sheet" (P.9)

8. On the Excel window, select [File] > [Save].
When the content of the [Settings] sheet is changed, save the content before you exit Job Log Analyzer.

Outline of [Settings] Sheet

As shown in the figure below, the [Settings] sheet includes the [Delete Cache] button and [Confirm Settings] button at the upper right, and the setting items below are categorized with large items (blue cells) and medium items (light blue cells).

Period	Month	Graph	Search	Settings	Information
You must delete the cache for the changed settings to take effect in the next report creation. Click [Delete Cache] to delete the cache.					Delete Cache Confirm Settings
Job Log Settings					
Folder Settings				Set Value	
Log File Folder (required)				Browse	
Cache Folder				Browse	\\Data#Job Log Analyzer\Cache
Report Settings					
User Settings				Set Value	
Ignore User				Off	
User Determination Method				By Job Owner Name	
Use Card ID as Copy Service User Name				Off	
User Information File Name				Edit	\\Data#Job Log Analyzer\Settings\awjls_user_info.xls
Use Copy Card Information File				Off	
Copy Card Information File Name				Edit	
User Name Uppercase/Lowercase Conversion Method				Convert to Lowercase	
Alternate Text When User is Unknown					
Report Filter Settings				Set Value	
Enable Accounting for Copy Services				Off	
Ignore Device				Off	
Specify Supported Device				Off	
Supported Device Information File Name				Edit	\\Data#Job Log Analyzer\Settings\awjls_target_device.xls
Restrict Target Data				Off	
Target Data Restriction File Name				Edit	\\Data#Job Log Analyzer\Settings\awjls_target_data.xls
Paper Settings				Set Value	
Paper Reduction Calculation Parameter				2 Sided/Pages per Side	
Alternate Text When Paper Size is Unknown					
Accounting Report Settings					
Charge-related Settings				Set Value	
Calculate Charge				Off	
Charge Information File Name				Edit	\\Data#Job Log Analyzer\Settings\awjls_charge_info.xls
Report Filter Settings				Set Value	
Enable Accounting for Scan Services				Off	
Enable Accounting for Fax Send Services				Off	
Calculate Call Charge				Off	
Call Charge Information File Name				Edit	\\Data#Job Log Analyzer\Settings\awjls_call_charge_info.xls
Telephone Number Information File Name				Edit	\\Data#Job Log Analyzer\Settings\awjls_telephon_info.xls
Paper Settings				Set Value	
Ignore Size				Off	
Handle as Transparency				Off	
Analysis Report Settings					
Report Filter Settings				Set Value	
Enable Accounting for Print Inbound Fax				Off	
Paper Settings				Set Value	
Tray Information File Name				Edit	\\Data#Job Log Analyzer\Settings\awjls_tray_info.xls
Convert Paper Size				Off	
Manage Paper Size				Off	
Manage Output Color				Off	
Custom Settings					
File Settings				Set Value	
Custom File				Edit	



Note

Aligning the cursor on a red triangular mark at the upper right of a cell displays a simple description of the setting items.

The following table shows an outline of each setting item of the [Settings] sheet, and the reference destination for a detailed description.

Items	Descriptions	Reference destination
[Delete Cache]	Deletes caches (temporary files used for processing). Click this after you change an item of the [Settings] sheet.	P.12
[Confirm Settings]	Confirms the existence of folders or setting files and confirms the content of the setting files. Sets the default value for cells that cannot be left blank.	P.12
[Job Log Settings]	Large item for categorization.	-

Items	Descriptions	Reference destination
[Folder Settings]	Medium item for categorization.	-
[Log File Folder] * ¹	Sets the storage destination folder for job log files.	P.12
[Cache Folder]	Sets the storage destination folder for caches (temporary files used for processing).	P.13
[Report Settings]	Large item for categorization.	-
[User Settings]	Medium item for categorization.	-
[Ignore User]	Sets whether to ignore users and account or to account per user.	P.13
[User Determination Method] * ¹	Sets from which item of the job logs are evaluated to resolve the user who executed the job.	P.13
[Use Card ID as Copy Service User Name] * ¹	Sets whether to prioritize and use the card ID of a copy card in the user name of a copy job.	P.17
[User Information File Name] * ¹	In case of the user information, data such as the user personal number and Organization name is not included in the job log. The reference destination of the file where the user information is stored can be set and the file can be edited.	P.18
[Use Copy Card Information File]	Sets whether to use copy card information files used with "ApeosWare Accounting Service ReportCentre", which is Fuji Xerox's accounting software, even with Job Log Analyzer.	P.18
[Copy Card Information File Name]	To use copy card information files even with Job Log Analyzer, set the location of the file to be referred to. If the location of the file is set, you also can edit the file	P.18
[User Name Uppercase/Lowercase Conversion Method]	Unifying user names as uppercase characters or lowercase characters accounts them as the same user.	P.19
[Alternate Text When User is Unknown]	If the user name cannot be identified from a job log, sets the text to use as the user name.	P.19
[Report Filter Settings]	Medium item for categorization.	-
[Enable Accounting for Copy Services]	Sets whether to account for copy jobs.	P.19
[Ignore Device]	Sets whether to account per device.	P.19
[Specify Supported Device]	Set whether to restrict and account devices.	P.19
[Supported Device Information File Name]	Supported device information is a list of devices to target for accounting. You can set the reference destination of files in which supported device information is stored, and you can edit the files.	P.20
[Restrict Target Data]	Set whether to restrict and account data.	P.20
[Target Data Restriction File Name]	You can set a reference to the file where the target data for accounting is saved, or can edit the file.	P.20
[Paper Settings]	Medium item for categorization.	-

Items	Descriptions	Reference destination
[Paper Reduction Calculation Parameter]	Set the method of calculating possible paper reduction and actual paper reduction. Actual paper reduction is the value for the number of sheets of paper that are reduced by using 2 sided printing and pages per side printing as compared to 1 sided printing and 1 page printing. Possible paper reduction is the value for the number of sheets of paper that can be reduced by using 2 sided printing and pages per side printing as compared to 1 sided printing and 1 page printing.	P.20
[Alternate Text When Paper Size is Unknown]	When the paper size of the job log is unknown, you can change it to an arbitrary text. By changing to another paper size, you can account paper as that size.	P.21
[Accounting Report Settings]	Large item for categorization.	-
[Charge-related Settings]	Medium item for categorization.	-
[Calculate Charge]	Set whether to calculate the charge and display them in the report.	P.21
[Charge Information File Name]	Charge information is the unit cost of services of devices. You can set the reference destination of files in which the charge information is stored, and you can edit the files.	P.21
[Report Filter Settings]	Medium item for categorization.	-
[Enable Accounting for Scan Services]	Sets whether to account scan jobs.	P.21
[Enable Accounting for Fax Send Services]	Sets whether to account fax send jobs.	P.21
[Calculate Call Charge]	Sets whether to account call charges of fax transmissions and display them in a report.	P.22
[Call Charge Information File Name]	Call charge information is the charge of fax transmission. Sets the location of the file in which the call charge information is stored.	P.22
[Telephone Number Information File Name]	Telephone number information is the information for categorizing the recipient fax number of job logs as local, in-prefecture, or out of prefecture. You can set the reference destination for files in which the telephone number information is stored, and you can edit the files.	P.22
[Paper Settings]	Medium item for categorization.	-
[Ignore Size]	Sets whether to account per paper size.	P.22
[Handle As Transparency]	Sets whether to categorize jobs for which the Bypass Tray is used with an unknown paper type as transparencies.	P.23
[Analysis Report Settings]	Large item for categorization.	-
[Report Filter Settings]	Medium item for categorization.	-
[Enable Accounting for Print Inbound Fax]	Sets whether to account fax reception jobs.	P.23
[Paper Settings]	Medium item for categorization.	-

Items	Descriptions	Reference destination
[Tray Information File Name]	Tray information is the information to decide the "Paper Types" from the "Select Paper Tray" and "Device Name" of the Job Log. The reference destination of the file where the tray information is stored can be set and the file can be edited.	P.23
[Convert Paper Size]	Select whether to convert and count sheets and impressions as A4 size.	P.23
[Manage Paper Size]	Set whether to display the "Size" item in the report.	P.24
[Manage Output Color]	Set whether to display the "Output Color" item in the report.	P.24
ECO Analysis Report Settings	A medium-level item for classification.	-
[CO2 Conversion Coefficient (mg)]	Set the CO2 conversion factor (mg) to use when calculating CO2 emissions (g).	P.24
[Custom Settings]	Large item for categorization.	-
[File Settings]	Medium item for categorization.	-
[Custom File]	Custom file is a file for which the report format is independently defined by the user. To create a user-defined report, set the location of the custom file. If the location of the file is set, you also can edit the file	P.24

*1 This setting is used not just for accounting job logs but also for searching job logs.
An item to which "*1" is not attached is a setting used only for accounting job logs.



Note

When the content of the [Settings] sheet is changed, save the content before you exit Job Log Analyzer.

[Delete Cache]

Click this after you change an item of the [Settings] sheet to delete temporary files used for processing.

When you made changes to multiple items, click [Delete Cache] once at the end.

[Confirm Settings]

Click this to confirm as follows.

- Whether a path of the folder set in the folder setting items exists
- Whether a path of the file set in the file setting items exists

If the file exists, whether the necessary items are entered and whether values are not duplicated is confirmed.

- Whether the cells for which values must be selected from the list are specified

If the cells are blank, the default settings are set.

- Check if CO2 conversion factor (mg) is blank.

[Log File Folder]

ApeosWare Management Suite sets the folder in which to save the job log files. Since these items do not have default values, definitely set values. Refer to "Setting the Folder for Log Files" (P.8) to see how to set.

[Cache Folder]

Sets the storage location for cache files generated when accounting is executed.

Default value: {Data Storage Location Folder}\Cache

When you set a folder other than the default value, click [Browse] of [Cache Folder] and select the folder in which to save cache files.

[Ignore User]

Set whether to account per user. Click a cell to display the menu, and select [On] or [Off]. Default value: [Off]

[On]

Accounting per user is not done. Change all the “Users” to an unknown value and create an accounting report without distinguishing between “Organization Name”, “User Name” and “Personal Number”.

The value of “User” determined from the job data is displayed in the report as “{Model Number - Serial Number}: Unknown User”. When the service is “System Sheet”, the report displays as “Model Code_Identification ID: report/list”.

When [On] is selected, items other than [Ignore User], [User Name Uppercase/Lowercase Conversion Method], and [Alternate Text When User is Unknown] of [User Settings] are grayed out.

[Off]

Account per user.

[User Determination Method]

“User Determination Method” is a rule for specifying the order of job log items and then determining the users who executed the jobs. Click a cell to display the menu, and select the method of determining the user from the following.

- [By Job Owner Name]
- [By Job Owner Name 2]
- [By Job Owner Name 3]
- [By Login User Name]
- [By Login User Name 2]
- [By Login User Name 3]
- [By Host Name]
- [By Host Name 2]
- [By Host Name 3]
- [By IP Address]
- [Job Owner Name Only]
- [Job Owner Name format = [Organization Name] ; [User Name] ; [Personal Number]]
- [By Account ID]

Default value: [By Job Owner Name]

Since the items for identifying “User” depend on the operation status of the device, specify the order for determining the “User” items from the job data.

When information such as “Organization Name”, “User Name” and “Personal Number” are added to the report using the user information file, the “User” decided by the [User Decision Method] is the key to see the user information file. Printing and copying are the services that can identify “User” with [User Determination Method].



"Format of User Information Files" (P.25)

Correspondence of [User Determination Method] and the log data priority order

The following table shows the priority order of the log data for determining the user in correspondence to the items selectable of [User Determination Method].



Note

When "User" of a copy job is "Unknown UID", and you can retrieve the card ID from the job log, the card ID is used for the User Name.

User Determination Method	Priority Order of Log Data for Determining User
By Job Owner Name	1. Job owner name
	2. User name\Host name (when user name and host name are retrievable)
	3. User name
	4. Host name
	5. Unknown UID
By Job Owner Name 2	1. Job owner name (when the text of the Job Owner Name includes "\")
	2. User name\Host name (when user name and host name are retrievable)
	3. Job owner name\Host name (when job owner name and host name are retrievable)
	4. Job owner name
	5. User name
	6. Host name
	7. Unknown UID
By Job Owner Name 3	1. Job owner name (when the text of the Job owner name includes "\")
	2. Job owner name\Host name (When job owner name and host name are retrievable)
	3. User name\Host name (when user name and host name are retrievable)
	4. Job owner name
	5. User name
	6. Host name
	7. Unknown UID
By Login User Name	1. User name in job owner name (when the text of the job owner name includes "\")
	2. User name
	3. Host name
	4. Job owner name
	5. Unknown UID

User Determination Method	Priority Order of Log Data for Determining User
By Login User Name 2	1. User name
	2. User name in job owner name (when the text of the job owner name includes "\")
	3. Host name
	4. Job owner name
	5. Unknown UID
By Login User Name 3	1. User name
	2. User name in job owner name (when the text of the job owner name includes "\")
	3. Job owner name
	4. Host name
	5. Unknown UID
By Host Name	1. Host name of job owner name (when the text of the job owner name includes "\")
	2. Job owner name
	3. Host name
	4. User name
	5. Unknown UID
By Host Name 2	1. Host name of job owner name (when the text of the job owner name includes "\")
	2. Host name
	3. Job owner name
	4. User name
	5. Unknown UID
By Host Name 3	1. Host name
	2. Host name of job owner name (when the text of the job owner name includes "\")
	3. Job owner name
	4. User name
	5. Unknown UID
By IP Address	1. IP Address
	2. Host name of job owner name (when the text of the job owner name includes "\")
	3. Host name
	4. Job owner name
	5. User name
	6. Unknown UID
Job Owner Name Only	1. Job owner name
	2. Unknown UID

User Determination Method	Priority Order of Log Data for Determining User
Job owner name format = [Organization Name] ; [User Name] ; [Personal Number]	1. Job owner name
	2. User name\Host name (when user name and host name are retrievable)
	3. User name
	4. Host name
	5. Unknown UID
By Account ID	1. "Account ID"
	2. Job owner name
	3. User name\Host name (when user name and host name are retrievable)
	4. User name
	5. Host name
	6. Unknown UID

The details of JOB OWNER Name format = [Organization Name] ; [User Name] ; [Personal Number] are as follows.

- When there is a "Semi colon (;)" in the data decided by "User", prepare a report by distinguishing the value of the "User" between "Organization Name", "User Name" and "Personal Number". This is prioritized by the "Organization Name", "User Name" and "Personal Number" values referenced from the user information file.
- Since "Unique Alphanumeric ID" cannot be retrieved when a Job Owner Name includes only one ";;", the unique alphanumeric ID browsed from the user information file is used.
- When there is no "Semi colon (;)", "Organization Name", "User Name" and "Personal Number" referred to from the user information file are used.

Determining Users from Special Job Data

For special job data such as in the following cases, "User" becomes the value for which the data is changed. This section describes the change rules for various cases.



Note

Since the following content describes special cases, normally you do not need to read it.

- When "Job Owner Name" includes "\", it is to be handled as "User Name portion\Host Name portion".
When the User Name portion is "unknownuser", "User Name" of the job log is applied to the User Name portion.
When the Host Name portion is "unknownhost", "Host Name" of the job log is applied to the Host Name portion.
This is not case sensitive.
- When "Document Name" can be retrieved with "User Name" set to blank and "Port" set to "EtherTalk", "Document Name" is delimited with ";". The string at the left side is decided as "User Name". This is case sensitive.

- When the unknown UID of print is determined, the text becomes as set in [Alternate Text When User is Unknown] in the [Settings] sheet.

When [Alternate Text When User is Unknown] is blank, set [User] to "{Model Number - Serial Number}: Unknown User". When [Ignore Device] is set, set only to "Unknown User".

An unknown UID in copying is decided as "{Model Number - Serial Number}: Local User".

- When the beginning of "Host Name" is "8" and the number of characters is 24 and 18th digit is "-", or when the beginning is "#8" and the number of characters is 25 and 19th digit is "-", set the host name to "PrintManageTool".
- With the IP address recorded in the job log "IP Address", the data before "\" represents the device address, and the data after "\" represents the IP address of client PC. Only the data behind "\" is used for deciding the user.

Data that does not include "\" is decided as data without an IP address

- When the "User Name" column includes "single-byte space and (", text from "single-byte space and (" is ignored. The spaces before and after are deleted.
- When "By Login User Name 2" is specified, and the beginning 11 characters of the User Name ("User Name portion of Job Owner Name" or User Name) are "Administrat", the relevant User Name is decided as "Admin - {Host Name portion of Job Owner Name}". However, if "Job Owner Name" exceeds 15 bytes, and "Host Name portion of Job Owner Name" is included at the beginning of "Host Name" of the job log, the user is decided as "Host Name".

When the Host Name is blank, the user is decided as "Administrator".

Specifying "By Login User Name 2" enables it if a value differing from "User Name" and "User Name of Job Owner Name" is recorded when printing with NetWare, or if another login user is printing when printing via Windows Server. This is not case sensitive.

This is an example of the user determination method in the case of [By Login User Name 2]:

Example	User
When "Job Owner Name" is "Administrator\HostA" and "User Name" is "UserA"	"UserA"
When "Job Owner Name" is "UserA\HostA" and "User Name" is "UserB"	"UserB"
When "Job Owner Name" is "UserB\HostA", "User Name" is "Administrator", and "Host Name" is "HostC"	"Admin-HostA"
When "Job Owner Name" is "Administrator\HostA", "User Name" is "Administrator", and "Host Name" is "HostC"	"Admin-HostA"
When "Job Owner Name" is "UserBBBBB\HostA", "User Name" is "Administrator", and "Host Name" is "HostABC"	"Admin-HostABC"

- When the user decided for a copy job is "Unknown UID", the user is decided as "Card ID". When "Card ID" is blank, the user is decided as "Unknown UID".

[Use Card ID as Copy Service User Name]

Set whether to prioritize and use the card ID in the User Name of a copy job. Click a cell to display the menu, and select [On] or [Off]. Default value: [Off]

[On]

The card ID is prioritized in the User Name of a copy job.

[Off]

The User Name of the copy job is determined according to [User Determination Method].



Note

When the result determined by [User Determination Method] is "Unknown UID" and the card ID is described in the job log, the card ID is used in the user name.

[User Information File Name]

Set the User Information File location and file name. User Information file is referred to when accounting by appending data that is not included in the log such as user personal number and Organization name.

Default value: {Data Storage Location Folder} \Settings\awjla_user_info.xls

From the administration screen of ApeosWare Management Suite, you can download user information in the format of the user information file used with Job Log Analyzer. You can specify this item and use the downloaded user information file as is.

When browsing user information files other than the default value, click [Browse] of [User Information File Name] and select the user information file.

When editing the user information file, click [Edit] of [User Information File Name]. Add/ Delete/ Change the personal number and organization name, then save after the user information file opens in Excel format.



Refer

- Downloading User Information→"Downloading User Information" (P.34)
- Content to enter in user information file→"Format of User Information Files" (P.25)

[Use Copy Card Information File]

When copy card information files are used for ApeosWare Accounting Service accounting, set whether to use those copy card information files even with Job Log Analyzer. Default value: [Off]

[On]

Use files specified with [Copy Card Information File Name].

[Off]

The copy card information files are not used. When off, [Copy Card Information File Name] is grayed out.



Refer

Copy card information files →"ApeosWare Accounting Service ReportCentre User Guide"

[Copy Card Information File Name]

Set the copy card information files that were used for ApeosWare Accounting Service Report Centre. There is no default value.

To configure, click [Browse] of [Copy Card Information File Name] and select the copy card information file.

When editing the copy card information file, click [Edit] of [Copy Card Information File Name]. Edit the content and save the file after the copy card information opens in Excel format.



Refer

Format of copy card information files→"ApeosWare Accounting Service ReportCentre User Guide"

[User Name Uppercase/Lowercase Conversion Method]

When uppercase or lowercase characters are mixed in the user name recorded in the job log, unify the case to account as the same user. Click a cell to display the menu, and select the method of changing the user name. Default value: [Convert to Lowercase]

[Convert to Lowercase]

Converts all of the text of the user name to lower case. (Ex. AUser -> auser)

[Convert to Uppercase]

Converts all of the text of the user name to upper case. (Ex. AUser -> AUSER)

[Do Not Convert]

Does not convert the text of the user name. (Ex. AUser -> AUser)

[Alternate Text When User is Unknown]

Set this when you change and display "User" determined as "Unknown UID" with "User Determination Method" as a different name. To set the name, you can account unknown users categorized per device. Default value: Blank

To set the name, enter text in the cell.

[Enable Accounting for Copy Services]

Set whether to account copy jobs and display them in reports. Click a cell to display the menu, and select [On] or [Off]. Default value: [On]

[On]

Accounts copy jobs and displays them in reports.

[Off]

Does not account copy jobs and does not display them in reports.

[Ignore Device]

Set whether to account per device. Click a cell to display the menu, and select [On] or [Off]. Default value: [Off]

[On]

Does not account per device. Change and display all "Device Name" and "Device ID" as "Unknown", and "Model Name" as blank. Create a report that accounts without categorizing "Device Name" and "Device ID".

When this is set to [On], the items of [Specify Supported Device] and [Supported Device Information File Name] are grayed out.

[Off]

Displays "Device Name", "Device ID", and "Model Name" in the report, and accounts per device.

[Specify Supported Device]

Set whether to restrict and account devices. Click a cell to display the menu, and select [On] or [Off]. Default value: [Off]

[On]

Displays only "Device Name" set in the target device information file in reports.

[Off]

Displays all of the devices within the job logs in reports.

When this is set to [Off], the item of [Supported Device Information File Name] is grayed out.

[Supported Device Information File Name]

Set the location of the target device information file and the file name. The target device information file is browsed when you restrict devices and account.

Default value: {Data Storage Location Folder} \Settings\awjla_target_device.xls

When browsing target device information files other than the default value, click [Browse] of [Supported Device Information File Name] and select the target device information file.

When editing the target device information, click [Edit] of [Supported Device Information File Name]. Add, delete, or change the target devices, and save the file after the target device information file opens in Excel format.



Refer

Content to enter in the target device information file→“Format of Target Device Information File” (P.31)

[Restrict Target Data]

Set whether to restrict and account data. Click a cell to display the menu, and select [On] or [Off].

Default value: [Off]

[On]

Displays only the data set in the target data restriction file in reports.

[Off]

Displays all of the data within the job logs in reports. If this is set to [Off], the item of “Target Data Restriction File Name” is grayed out.

[Target Data Restriction File Name]

Set the location of the target data restriction file and the file name. The target data restriction file is browsed when you restrict data and account.

Default value: {Data Storage Location Folder} \Settings\awjla_target_data.xls

When browsing target data restriction files other than the default value, click [Browse] of [Target Data Restriction File Name] and select the target data restriction file.

When editing the target data restriction file, click [Edit] of [Target Data Restriction File Name]. Add, delete, or change the target data, and save the file after the target data restriction file opens in excel format.



Refer

Content to enter in the target device restriction file→“Format of Target Data Restriction Files” (P.31)

[Paper Reduction Calculation Parameter]

Set the method of calculating possible paper reduction and actual paper reduction. Click a cell to display the menu, and select from the following. Default value: 2 Sided/Pages per Side

- [2 Sided/Pages per Side]
- [Pages per Side Only]
- [2 Sided Only]

[Alternate Text When Paper Size is Unknown]

When the paper size of the job log is unknown, you can change it to an arbitrary text. By changing to another paper size, you can account paper as that size. Default value: Blank

Leaving this blank applies the string "Unknown" to an unknown paper size. To set an alternate text for the paper size, enter text in the cell.

[Calculate Charge]

Set whether to calculate the charge and display them in the report. Click a cell to display the menu, and select [On] or [Off]. Default value: [Off]

[On]

The charge is calculated using the unit price set in the charge information file, and the "Charge" data is displayed in reports.

[Off]

Does not calculate charge. If this is set to [Off], the item of [Charge Information File Name] is grayed out.

[Charge Information File Name]

Set the location of the charge information file and the file name. The charge information file is browsed when you calculate charges and display them in the report.

Default value: {Data Storage Location Folder}\Settings\awjla_charge_info.xls

When browsing charge information files other than the default value, click [Browse] of [Charge Information File Name] and select the charge information file.

When editing the charge information file, click [Edit] of [Charge Information File Name]. Add, delete, or change the charge information and save the file after the charge information file opens in Excel format.



Refer

Content to enter in the charge information file→"Format of Charge Information Files" (P.27)

[Enable Accounting for Scan Services]

Set whether to account scan jobs and display them in reports. Click a cell to display the menu, and select [On] or [Off]. Default value: [Off]

[On]

Displays the "Scan" item in reports.

[Off]

Does not display the "Scan" item in reports.

[Enable Accounting for Fax Send Services]

Set whether to account fax send jobs and display them in reports. Click a cell to display the menu, and select [On] or [Off]. Default value: [Off]

[On]

Displays the "Fax Send" item in reports.

[Off]

Does not display the “Fax Send” item in reports. If this is set to [Off], the items of [Calculate Call Charge], [Call Charge Information File Name], and [Telephone Number Information File Name] are grayed out.

[Calculate Call Charge]

Set whether to target communication charge of fax transmissions for accounting. Click a cell to display the menu, and select [On] or [Off]. Default value: [Off]

[On]

Calculates communication charge of the fax transmission service, then sum the charge data and display it in a report.

[Off]

Does not sum communication charges of the fax transmission service in charge data. When this is set to [Off], the items of [Call Charge Information File Name] and [Telephone Number Information File Name] are grayed out.

[Call Charge Information File Name]

Set the location of the call charge information file and the file name. The call charge information file is browsed when you calculate call charges and display them in the report.

Default value: {Data Storage Location Folder} \Settings\awjla_call_charge_info.xls

When browsing charge information files other than the default value, click [Browse] of [Charge Information File Name] and select the charge information file.

When editing the charge information file, click [Edit] of [Charge Information File Name]. Add, delete, or change the charge information and save the file after the charge information file opens in Excel format.



Refer

Content to enter in the charge information file→“Format of Call Charge Information File” (P.29)

[Telephone Number Information File Name]

Set the location of the telephone number information file and the file name. The telephone number information file is browsed when you calculate call charges and display them in the report.

Default value: {Data Storage Location Folder} \Settings\awjla_telephon_info.xls

When browsing telephone number information files other than the default value, click [Browse] of [Telephone Number Information File Name] and select the telephone number information file.

When editing the telephone number information file, click [Edit] of [Telephone Number Information File Name]. Add, delete, or change the telephone number information and save the file after the telephone number information file opens in Excel format.



Refer

Content to enter in the telephone number information file→“Format of Telephone Number Information File” (P.30)

[Ignore Size]

Set whether to account per size. Click a cell to display the menu, and select [On] or [Off]. Default value: [Off]

[On]

Does not account per size. Create a report that changes all “Size” to “Unknown”.

[Off]

Accounts per size.

[Handle As Transparency]

Sets whether to categorize jobs for which the Bypass Tray is used with an unknown paper type as transparencies.

This item is applicable to some models. For supported devices, refer to "Readme".

Click a cell to display the menu, and select [On] or [Off]. Default value: [Off]

[On]

When "Paper Type" of the log is set to "Blank" or "Unknown" and "Select Paper Tray" of the log is set to bypass data, the string "(Transparencies)" is added to the size item. When jobs for which "(Transparencies)" is added to the size item are accounted per size, they are separated from normal paper for accounting.

Bypass data includes the following values.

- Tray (Bypass)
- Tray (Bypass: OHP film)
- Tray (Bypass: Thick paper)

[Off]

"Size" is displayed as is in the log data.

[Enable Accounting for Print Inbound Fax]

Set whether to account inbound fax prints. Click a cell to display the menu, and select [On] or [Off]. Default value: [Off]

[On]

Displays the "Print Inbound Fax" item in reports.

[Off]

Does not display the "Print Inbound Fax" item in reports.

[Tray Information File Name]

Specify the tray information file.

Default value: {Data Storage Location Folder} \Settings\awjla_tray_info.xls

When browsing tray information files other than the default value, click [Browse] of [Tray Information File Name] and select the tray information file.

When editing the tray information file, click [Edit] of [Tray Information File Name]. Add, delete, or change the tray information and save the file after the tray information file opens in Excel format.



Refer

Content to enter in the tray information file→"Format of Tray Information File" (P.31)

[Convert Paper Size]

Select whether to convert and count sheets and impressions as A4 size. Click a cell to display the menu, and select [On] or [Off]. Default value: [Off]

[On (A4 conversion)]

Displays the values when both "Sheets" and "Impressions" are multiplied by the conversion value corresponding to the paper size of the log as "Sheets (*)" and "Impressions (*)" respectively.

e.g.: When the data is "A3" and "Sheets 1", the paper conversion value of "A3" becomes "2". Therefore, the number of sheets (*) becomes $2 \times 1 = 2$.

[Off]

Displays "Sheets" and "Impressions" as they are as "Sheets (*)" and "Impressions *" respectively.

[Manage Paper Size]

Set whether to display the "Size" item in the report. Click a cell to display the menu, and select [On] or [Off]. Default value: [Off]

[On]

Displays the "Size" item in reports.

[Off]

Does not display the "Size" item in reports.

[Manage Output Color]

Set whether to display the "Output Color" item in the report. Click a cell to display the menu, and select [On] or [Off]. Default value: [Off]

[On]

Displays the "Output Color" item in reports.

[Off]

Does not display the "Output Color" item in reports.

[CO2 Conversion Coefficient (mg)]

Set the CO2 conversion factor (mg) to use when calculating CO2 emissions (g). The default value is [5000].

[Custom File]

Custom file is a file for which the report format is independently defined by the user. To create a user-defined report, set the location of the custom file. Default value: Blank

When a custom file is specified or the specification is deleted, restart Job Log Analyzer.

When setting the reference destination of custom file, click [Browse] of [Custom File] and select the custom file.

When editing the custom file, click [Edit] of [Custom File]. Edit and save the custom file after the custom file opens in Excel format.



"Customizing Reports" (P.82)

Formats of Various Information Files

User various information files are used to add information such as users or charges or to filter report targets when you create reports with Job Log Analyzer.

- "Format of User Information Files" (P.25)
- "Format of Charge Information Files" (P.27)

- “Format of Call Charge Information File” (P.29)
- “Format of Telephone Number Information File” (P.30)
- “Format of Tray Information File” (P.31)
- “Format of Target Device Information File” (P.31)
- “Format of Target Data Restriction Files” (P.31)
- “Format of Exclude Device Information File” (P.32)
- “Format of Exclude Host Information File” (P.33)
- “Format of Card Priority Print Job File” (P.33)

Format of User Information Files

Add information such as User Name and Unique Alphanumeric ID based on “User” determined from job logs according to [User Determination Method].

Default value of the reference destination: {Data Storage Location Folder}
 \Settings\awjla_user_info.xls



Refer

“[User Determination Method]” (P.13)

Format and Cell Default Value

User [required]	User Name [required]	Unique Alphanumeric ID	Organization Name	Card No.
CE Card	CE Card	(Blank)	FUJIFILM Business Innovation	4294967295
(No default value)	(No default value)	(No default value)	(No default value)	(No default value)



Note

Data entered on the first row corresponds to the card used when the device is serviced by our service technician.

Cell Entry Rules

None	None	None	None	None
------	------	------	------	------

Adding Items

When you add items other than those described above, you can display the added items in custom reports.



Refer

“Customizing Reports” (P.82)

Content to Enter in “User”

From the job log, enter “User” determined by “[User Determination Method]” (P.13).

For example, when [User Determination Method] is set to [By Job Owner Name], the job owner name sent from the printer driver is determined as “User” as priority order 1. Accordingly, as “User” of the user information file, enter the job owner name (or User ID) set with the printer driver of each client computer.

For jobs other than print jobs, see the following table.

Job Type	Guideline
Direct fax transmission job	IP address is not recorded in job log file. Thus, when you print or direct fax and account as the same user, do not select [By IP Address] for [User Determination Method]. Set the same job owner name with the fax driver or printer driver, and set [User Determination Method] to [By Job Owner Name].
When information for determining the user is not recorded in the following jobs - Jobs other than printing, copying - Copy jobs for which [Use Card ID as Copy Service User Name] is set to [On]	"User Name" of the job log is determined as follows. "Model Code_Identification ID: Local User" "Model Code_Identification ID: report/list" "Model Code_Identification ID: Fax Line" (Ex. "NC100256_255366: Local User") Enter the above-described value in "User" of the user information file.

Content to Enter in "User Name"

This is the name of the user displayed on the report to be created. You can set as a duplicate. If you do not set this, the value of "User" is displayed in the report.

Unique Alphanumeric ID

On a report accounted with "By User", the user is identified with the user name and the unique Alphanumeric ID. If you leave the item column blank, it is displayed as blank on the report. If the user is not set in the user information file, "Unknown" is displayed.

Organization Name

Enter the Organization name of the user.

If you leave the item column blank, it is displayed as blank on the report. If the user is not set in the user information file, "Unknown" is displayed.

Card No.

Enter the card ID of an IC card, or the card number of a valid card.

When the user is determined by "Card ID" of job log according to "[User Determination Method]" (P.13), information such as user name and unique alphanumeric ID are added based on "Card ID".

When you also add the user information or unique alphanumeric ID according to the value of "Card ID" instead of "User", enter the value in "Card ID". The user information or unique alphanumeric ID is added according to the value of "Card ID" when the data for which the information such as user name or unique alphanumeric ID has not been added according to "User".



Note

Information of "Card No." can be set with either "User Information File" or "Copy Card Information File", but it is recommended to set with "User Information File" to manage information in a unified manner.

When you set the information of "Card No." with these files, the following information is used.

- The information of "Copy Card Information File" is used when a user is determined from "Card No." of job logs.
- The information of "User Information File" is used when a user is determined from the items other than "Card No." of job logs.

Entry Columns

The entry columns of the user information sheet are shown below.

User [required]	User Name [required]	Unique Alphanumeric ID	Organization Name	Card No.
CE Card	CE Card	(Blank)	FUJIFILM BI	4294967295
Fuji.Taro	Fuji.Taro	1234	Sales Department	(Blank)
Fuji.Jiro	Fuji.Jiro	5678	Development Department	(Blank)
Fuji.Saburo	Fuji.Saburo	9101	General Affairs Department	(Blank)

Using Wild Card

If there are users that are not registered in the above-mentioned user information, wild card can be used to set the specific Organization name for accounting use. When setting this, add the worksheet called "Sheet2" in the User Information File. The Sheet2 format is the same as user information. The next field card can be used.

Wildcard	Descriptions
? (question mark)	Indicates one arbitrary character. For example, if you enter "sm?th", "smith" and "smyth" are searched.
* (asterisk)	Indicates an arbitrary character of an arbitrary quantity. For example, if you enter "*east", "Northeast" and "Southeast" are searched.
~ (tilde)	When you search question marks (?), asterisks (*), and tilde (~) as characters other than as wild cards, enter this immediately preceding the character. For example, if you enter "fy91~?", "fy91?" is searched.

Example of Entering Sheet 2

User	User Name	Unique Alphanumeric ID	Organization Name	Card No.
123*	Part-time employee	(Blank)	Personnel Department	(Blank)
*	(Blank)	(Blank)	General Affairs Department	(Blank)

In this example, a user with the User Name "123" is accounted in the Personnel Department, and other unknown users are accounted in the General Affairs Department. When multiple wild cards are specified in this way, the user is judged in order from the conditions of the top row.

Format of Charge Information Files

The cost is calculated by multiplying the unit cost and impressions where the "Organization Name", "Model Name", "Service Types", "Output Color", "Size" of the log match.

Default value of the reference destination: {Data Storage Location Folder}

\\Settings\\awjla_charge_info.xls

Format and Cell Default Value

Organization Name [required]	Model Name [required]	Service Type [required]	Output Color [required]	Size [required]	Unit Cost [required]
(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	10
*	*	Send Fax	*	*	0
*	*	Direct Fax	*	*	0
*	*	Fax Polling	*	*	0
*	*	Send Internet Fax	*	*	0

By changing the title of “Model Name [required]” to “Device Name [required]”, you also can enter the device name.

To display a numerical value in decimal points for charges in the report, change the Excel cell format for the “Unit Cost” column to the setting for displaying digit numbers in decimal points.

Cell Entry Rules

*	*	“*” “Print” “System Sheet” “Scan” “Copy” “Print Fax” “Fax Mailbox Print” “Fax Polling Print”	“*” “B/W” “Full Color” “Single Color”	“*” “A3” “B4” “A4” “B5” “A5”	None
---	---	--	---------------------------------------	------------------------------	------

Items for which “*” is set target everything.

Data for which only the unit cost is set on the second row is a basic unit cost. Definitely set the basic unit cost. Enter only the unit cost for the basic unit cost row, and leave all other columns blank.

The priority to decide the unit cost is in the order of Organization name, model name, service types, output color, size. The priority is higher where the value is entered instead of “*”.

Entry Columns

In the following example, print charges for full color/all sizes of Apeos C7070 used in all Organization names are 50 yen/sheet and the print charges for all types of black and white/all sizes are 10 yen/sheet. Other charges are 100 yen/sheet from the basic cost.

Organization Name [required]	Model Name [required]	Service Type [required]	Output Color [required]	Size [required]	Unit Cost [required]
(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	100
*	FUJIFILM Apeos C7070	Printing	Full Color	*	50
*	*	Printing	Black and white	*	10

Method of Adding the Charges of BrainTech Folds, Stamps, Etc.

If [Other Charges] sheet is created in the Charges Information file, the charges for BrainTech folds, stamps and paper types can be added.

If fold, stamp, paper type are specified in “Service Types” on the [Other Charges] sheet, the charges can be added. Charges can be set for the size, output color and model name respectively. Do not set the basic unit price.

When the “Model Name”, “Service Types”, “Output Color”, and “Size” are specified, enter the value recorded in the job log respectively.

An example of setting in the [Other Charges] sheet of the Charges Information file is given below.

Model Name	Service types	Output Color	Size	Unit price
*	Fan-fold	*	*	10
*	Cross-fold	*	A1	20
*	Plain paper	*	*	5
*	Tracing	*	A1	20
*	Film	*	A2	10
*	Stamp red	*	*	10

Converting from BrainTech Paper Roll to Paper Size

BrainTech size conversion table file is used to convert the BrainTech paper roll into paper size (such as A0, A1).

When the "Size" in the job log is "Other", it converts the paper roll to be used into the paper size. The "Length of the used roll" which is retrieved from the job log is divided by the "Length of the size" and multiplied by the "Number of sheets" to get the impressions.

Storage directory and file name of the BrainTech size conversion table file are given below.

{Data Storage Location Folder} \Settings\awjla_bt_size_conversion.xls

BrainTech size conversion table file format is given below. You do not need to edit it.

Size of Roll Used [required]	Size [required]	Vertical Length (mm) [required]
A0	Others (A0 Conversion)	1189
A1	Others (A1 Conversion)	841
A2	Others (A2 Conversion)	594
(Rest omitted)		

Format of Call Charge Information File

Add call type and charge information based on "Fax Complete Time" and "Fax Duration" of the log.

Default value of the reference destination: {Data Storage Location Folder}

\Settings\awjla_call_charge_info.xls

Format and Cell Default Value

Call Type [required]	Daytime 8:00 - 19:00 [required]	Nighttime 19:00 - 23:00 [required]	Midnight 23:00 - 8:00 [required]
Local	180 sec. \$8.5	180 sec. \$8.5	240 sec. \$8.5
In-prefecture	90 sec. \$10	90 sec. \$10	120 sec. \$10
Out-of-prefecture	90 sec. \$10	90 sec. \$10	120 sec. \$10
(No default value)	(No default value)	(No default value)	(No default value)

Cell Entry Rules

None	None	None	None
------	------	------	------

One second before the actual time is specified for the value at the end of the time range. For example, "Daytime 8:00 - 19:00" represents "from 8:00 to 18:59:59".

The input format for each time period is {Call Second Interval} Seconds\${Charge}. "\$" is a single byte.

Entry Columns

In the following example, a call type “Out-of-prefecture (Branch Office)” is added to define the call charge.

Call Type [required]	Daytime 8:00 - 19:00 [required]	Nighttime 19:00 - 23:00 [required]	Midnight 23:00 - 8:00 [required]
Local	180 sec. \$8.5	180 sec. \$8.5	240 sec. \$8.5
In-prefecture	90 sec. \$10	90 sec. \$10	120 sec. \$10
Out-of-prefecture	90 sec. \$10	90 sec. \$10	120 sec. \$10
Out-of-prefecture (Branch Office)	90 sec. \$8.5	90 sec. \$8.5	120 sec. \$8.5

Format of Telephone Number Information File

Search “Call Type” based on “Device Name” and “Recipient Fax Number” of the log.

Default value of the reference destination: {Data Storage Location Folder}

\\Settings\\awjla_telephon_info.xls

Format and Cell Default Value

Device Name [required]	Telephone Number [required]	Call Type [required]
(No default value)	(No default value)	(No default value)
(No default value)	(No default value)	(No default value)

Cell Entry Rules

None	None	None
------	------	------

Specify the device name when you change the charges for only that device. You can delimit with “;” and specify multiple device names.

You can use the telephone number as a wild card by entering only the beginning part (such as “03” or “06”).



- Do not change the format of the cells of the “Telephone Number” column from “Text”. If you change to “Standard” or “Number”, 0 at the beginning of the telephone number is deleted, and you cannot retrieve the correct call type.
- Set the telephone number based on the telephone number called from the device. For example, if an external line is called and 0 is attached to the beginning, set the telephone number including 0.
- When you call locally, call long-distance, or call from 0, even with the same telephone number, set each call type and telephone number.
- Do not set the telephone number of the same call destination as the telephone numbers of different call types.

Entry Columns

In the following example, the telephone number is defined for which local charges and out-of-prefecture charges are applied. Also, when the device name of the call destination is “Osaka-branch”, the call charges of “Out-of-prefecture (Branch Office)” are applied.

Device Name [required]	Telephone Number [required]	Call Type [required]
(Blank)	03	Local
(Blank)	06	Out-of-prefecture
Osaka-branch	06	Out-of-prefecture (Branch Office)

Format of Tray Information File

Judges the paper as Side 2 or Transparency from "Device Name" and "Select Paper Tray" of the job log.

Default value of the reference destination: {Data Storage Location Folder}

\\Settings\\awjla_tray_info.xls

Format and Cell Default Value

Device Name [required]	Paper Type [required]	Tray [required]
(No default value)	(No default value)	(No default value)
(No default value)	(No default value)	(No default value)

Cell Entry Rules

None	"Side 2" "Transparency"	"Tray 1" "Tray 2" "Tray 3" "Bypass Tray"
------	-------------------------	--

Format of Target Device Information File

Displays only the device name set in the target device information file in the report.

Default value of the reference destination: {Data Storage Location Folder}

\\Settings\\awjla_target_device.xls

Format and Cell Default Value

Device Name [required]
(No default value)
(No default value)

Cell Entry Rules

None

In "Device Name", enter the device name displayed on ApeosWare Management Suite administrator screen > [Service Settings] > [Device Management] > [Device List] page.



Note

When the same device is set in the target device information file and the exclude device information file, the setting of the exclude device information file is prioritized. The job log of that device is not accounted.

Entry Columns

In the following example, the device name is displayed in the report for only the jobs of "Apeos-01" and "Apeos-02".

Device Name [required]
Apeos-01
Apeos-02

Format of Target Data Restriction Files

Displays only the items that match specified values in the report. Only the device can be specified in the items.

Default value of the reference destination: {Data Storage Location Folder}

\\Settings\\awjla_target_data.xls

Format and Cell Default Value

Target Item [required]	Target Data [required]
(No default value)	(No default value)
(No default value)	(No default value)

Cell Entry Rules

Model Name	None
------------	------

For the model name, enter the model name displayed on ApeosWare Management Suite administrator screen > [Service Settings] > [Device Management] > [Device List] page.

Entry Columns

In the following example, the model name is displayed in the report for only the jobs of "FUJIFILM Apeos C7070".

Target Item [required]	Target Data [required]
Model Name	FUJIFILM Apeos C7070

Format of Exclude Device Information File

Excludes device names registered in the exclude device information file from the targets of report creation.

(1) Reference destination (unchangeable):

{Data Storage Location Folder} \Settings\awjla_exception_device.xls

Format and Cell Default Value

Device Name [required]
(No default value)
(No default value)

Cell Entry Rules

None

In "Device Name", enter the device name displayed on ApeosWare Management Suite administrator screen > [Service Settings] > [Device Management] > [Device List] page.



Note
When the same device is set in the target device information file and the exclude device information file, the setting of the exclude device information file is prioritized. The job log of that device is not accounted.

Entry Columns

In the following example, the job logs for which the device name is "Apeos-01" and "Apeos-02" are excluded from targets of report creation.

Device Name [required]
Apeos-01
Apeos-02

Editing Exclude Device Information File

Edit exclude device information files by the following procedure.

- (1) From the Windows Start Up Menu, select [FUJIFILM] > [Job Log Analyzer Settings File].
The "{Data Storage Location Folder}\Settings" folder opens.

- (2) Open "awjla_exception_device.xls" with Excel, and edit it.

After editing the exclude device information file, click [Delete Cache] on the [Settings] sheet. If you edit other files for which the deletion of the cache is required, click [Delete Cache] once after all of the files are edited.



Refer

"[Delete Cache]" (P.12)

Format of Exclude Host Information File

Excludes the Host Name registered in the exclude host information file from the targets of report creation. Host Name is the host name of the client computer that instructed printing.

The reference destination (unchangeable): {Data Storage Location Folder}
 \Settings\awjla_exception_host.xls

Format and Cell Default Value

Host Name [required]
(No default value)
(No default value)

Cell Entry Rules

None

In "Host Name", enter the host name of the client computer that instructed printing and is recorded in "Host Name" of the job log.

Entry Columns

In the following example, the job logs for which the Host Name is "PC-Client-50" and "PC-Client-51" are excluded from targets of report creation.

Host Name [required]
PC-Client-50
PC-Client-51

Editing Exclude Host Information Files

Edit exclude host information files by the following procedure.

- (1) From the Windows Start Up Menu, select [FUJIFILM] > [Job Log Analyzer Settings File].
- (2) The "{Data Storage Location Folder}\Settings" folder opens.
- (3) Open "awjla_exception_host.xls" with Excel, and edit it.
- (4) After editing the exclude host information file, click [Delete Cache] on the [Settings] sheet. If you edit other files for which the deletion of the cache is required, click [Delete Cache] once after all of the files are edited.



Refer

"[Delete Cache]" (P.12)

Format of Card Priority Print Job File

In the priority order of the log data for deciding the user, sets job logs with "Card ID" as priority number one.

In card priority print job files, enter "Service Details". Among the job logs that match "Service Details", "Card ID" is browsed first to decide the user. If "Card ID" does not exist among the job logs, "User" is decided with "User Determination Method".

The reference destination (unchangeable): {Data Storage Location Folder}
\Settings\awjla_priority_job.xls

Format and Cell Default Value

Service Details [required]
Private Print
Secure Print
Charge Print

Cell Entry Rules

"Private Print" "Secure Print" "Charge Print"

You can set the content of only Private Print, Secure Print, and Charge Print. As for editing, the user can only delete the content of the cells or set the content again after deletion.

If the content of the cells is deleted, only "User Determination Method" is used to decide "User" among the job logs for which those "Service Details" are recorded.

Editing Card Priority Print Job File

Edit card priority print job files by the following procedure.

- (1) From the Windows Start Up Menu, select [FUJIFILM] > [Job Log Analyzer Settings File].
The "{Data Storage Location Folder}\Settings" folder opens.
- (2) Open "awjla_priority_job.xls" with Excel, and edit it.

Concerning Copy Card Information Files

When copy card information files were used with ApeosWare Accounting Service ReportCentre, you can use those copy card information files even with Job Log Analyzer.



Refer

- Settings for using copy card information file with Job Log Analyzer→"[Use Copy Card Information File]" (P.18)
- Format of copy card information files→"ApeosWare Accounting Service ReportCentre User Guide"

Downloading User Information

If you download user information from ApeosWare Management Suite and use it as a user information file, you can unify the user information of the reports created with Job Log Analyzer and the reports created with ApeosWare Management Suite.

Downloading User Information

Download user information from ApeosWare Management Suite and create a file.

1. Log in to ApeosWare Management Suite as a user with the [System Management] permission.
2. Select [System Settings] > [Job Log Settings] from the menu on the administrator screen.
3. Display the [Save Job Log] tab and specify [Storage Location] and [Path] of user information file.



Note

For the encode of user information file, follow the [Encode Type] settings. However, if you specify [UTF-8] for [Encode Type], it is output in a character code that supports the system locale of the server OS.

4. Click [Run User Information Saving].

The "userInfo" folder is created in the specified path. The user information file is created under this "userInfo" folder by the file name of the date and time when it is created. The saving file format is CSV and the extension is "txt".

Ex.: {Specified path} \userInfo\20150527182442.txt

Content of Downloaded Files

In each column of the downloaded user information files, user information registered in ApeosWare Management Suite is saved as follows.

- "User" column of user information file
"User ID" registered in ApeosWare Management Suite is saved.
- "User Name" column of user information file
"Display Name" registered in ApeosWare Management Suite is saved.
- "Unique Alphanumeric ID" column of user information file
"External Accounting ID" registered in ApeosWare Management Suite is saved.
- "Organization Name" column of user information file
The group name with which the user is affiliated is saved.
- "Card ID" column of user information file
"Card ID (PAN)" registered in ApeosWare Management Suite is saved.



Refer

"Format of User Information Files" (P.25)

Using Downloaded File as User Information File

1. Open the downloaded user information file with Excel.

If you import a file of which the extension is "txt" into Microsoft Excel, the wizard for importing the text file is displayed. On the screen for selecting the data format per column, set the format of data to [Text]. If you import the data as a number, 0 is deleted at the beginning of the data.

2. Save the user information file as a file with the extension of "xls".

3. Start Job Log Analyzer.



Refer

"Start Job Log Analyzer" (P.7)

4. Click [Settings] of Job Log Analyzer.

5. On the [Settings] sheet, click [Browse] of [User Information File Name].

Report Settings	
User Settings	Set Value
Ignore User	Off
User Determination Method	By Job Owner Name
Use Card ID as Copy Service User Name	Off
User Information File Name	Edit Browse Y:\Job Log Analyzer\KS

6. In the [Specify File] dialog box, select the user information file with an extension of “xls”.

7. Click [OK].



Note

You can reference user information files with an extension of “txt” without executing Steps 1 and 2. However, the user information files are not opened with Excel in that case even if you click [Edit] of [User Information File Name]. To become able to click [Edit] and edit user information files with Excel, save the user information files as files with an extension of “xls”.

Accounting by Period

This section describes the “Accounting by Period” procedure for specifying the period, accounting the job logs, and creating reports. This section also describes the types and content of the reports that you can create with Accounting by Period.

Accounting by Period

With Accounting by Period, you can specify the period, account job logs, and create a report. You can select the report type from 2 types “Accounting” and “Analysis”.

“Accounting” creates a report for confirming the output counts such as the number of scans and the number of output pages.

“Analysis” creates a report for confirming possible paper reduction and actual paper reduction. Jobs for which paper is not output such as scanning or fax transmission are not targeted.

Basic Procedure for Accounting by Period

This section describes the basic procedure of Accounting by Period.

1. Start Job Log Analyzer.



Refer

“Start Job Log Analyzer” (P.7)

2. Click [Period].

Job_Log_Analyzer.xls

Period Month Graph Search Settings Information

Function: ☒ Accounting ☐ Analysis

Start Date: 05/22/2009 Fri
05/25/2009 Mon
06/01/2009 Mon
06/09/2009 Tue
06/10/2009 Wed
06/12/2009 Fri
06/14/2009 Sun
06/15/2009 Mon
06/16/2009 Tue
06/19/2009 Fri
06/22/2009 Mon

End Date: 05/22/2009 Fri
05/25/2009 Mon
06/01/2009 Mon
06/09/2009 Tue
06/10/2009 Wed
06/12/2009 Fri
06/14/2009 Sun
06/15/2009 Mon
06/16/2009 Tue
06/19/2009 Fri
06/22/2009 Mon

Report Type:

- ☒ List Report
 - ☐ By User and Device (Detailed)
 - ☐ By User (Detailed)
 - ☐ By User and Mode
 - ☐ By User
 - ☐ By Organization and Device (Detailed)
 - ☐ By Organization (Detailed)
 - ☐ By Organization and Mode
 - ☐ By Organization

Create Report

3. From [Function] of the [Period] sheet, select [Accounting] or [Analysis].

4. With [Start Date] and [End Date], set the period for accounting.



Note

The maximum settable accounting period is 366 days.

5. Click [Select Report Type].

6. Select the report to create.



Note

[Accounting List Report] and [Impressions/Sheets List Report] are report groups.



Refer

Types of reports that can be selected→“Reports That Can Be Created with Accounting by Period” (P.44)

7. Click [Save].

8. Click [Create Report].

The Accounting by Period report is displayed.



Note

When preparing the report, the source data of the report is recorded in the “Periodic Accounting Data” sheet or “Periodic Analysis Data” sheet.

Explanation of the details of this source data is omitted in this manual. In case information such as the specifications of the source data is required, please contact our representative.

9. As necessary, save the report.

Accounting by Months

This section describes the “Accounting by Month” procedure for accounting job logs per month and creating a cumulative report that records each month. This section also describes the types and content of the reports that you can create with Accounting by Month.

Accounting by Month

Accounting by Month accounts job logs per month, and creates a cumulative report that records values for each month. You can select the report type from 2 types “Accounting” and “Analysis”.

“Accounting” creates a report for confirming the output counts such as the number of scans and the number of output pages.

“Analysis” creates a report for confirming possible paper reduction and actual paper reduction. Jobs for which paper is not output such as scanning or fax transmission are not targeted.

Basic procedure of Accounting by Month

This section describes the basic procedure of Accounting by Month.

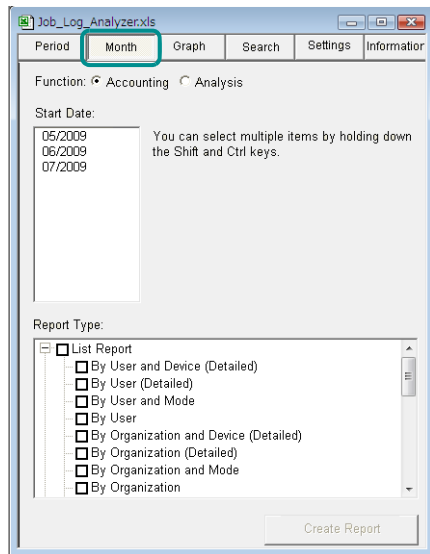
1. Start Job Log Analyzer.



Refer

“Start Job Log Analyzer” (P.7)

2. Click [Month].



3. For [Function] of the [Month] sheet, select [Accounting] or [Analysis].

4. From [Start Date], select the month for accounting.



- You can select multiple months by clicking while pressing the <Shift> key or the <Ctrl> key.
- You can select up to 24 months.

5. Click [Select Report Type].

6. Select the report to create.



[List Report] and [Graph Report] are report groups.



Types of reports that can be selected→“Reports That Can Be Created with Accounting by Month” (P.69)

7. Click [Save].

8. Click [Create Report].

The Accounting by Month report is displayed.



When preparing the report, the source data of the report is recorded in the “Monthly Accounting Data” sheet or “Monthly Analysis Data” sheet. Explanation of the details of this source data is omitted in this manual. In case information such as the specifications of the source data is required, please contact our representative.

9. As necessary, save the report.

Creating Operation Graphs

This section describes how to specify the date and device and then create reports as graphs of the operation status for the entire day, called “Operation graphs”. This section also describes the types and content of the graph reports that you can create.

Basic Procedure for Creating Operation Graphs

This section describes the basic operation for creating operation graphs.

1. Start Job Log Analyzer.



Refer

"Start Job Log Analyzer" (P.7)

2. Click [Graph].

Job_Log_Analyzer.xls

Period Month **Graph** Search Settings Information

You can select multiple items by holding down the Shift and Ctrl keys.

Date: 05/22/2009 Fri
05/25/2009 Mon
06/01/2009 Mon
06/09/2009 Tue
06/10/2009 Wed
06/12/2009 Fri
06/14/2009 Sun
06/15/2009 Mon
06/16/2009 Tue
06/19/2009 Fri
06/22/2009 Mon

Specify Device (Col 1: Model Code_Identification ID, Col 2: Device Name):
NC100270_519292 dev3

Report Type:
☒ Impressions by Periods & Device Names
☐ Impressions by Periods & Dates
☐ Impressions by Periods & Run-Lengths
☐ Impressions by Periods & Services

Create Operation Graph

3. From [Date] of the [Graph] sheet, select the date for which to account.



Note

You can select multiple dates by clicking while pressing the <Shift> key or the <Ctrl> key.

4. From [Specify Device], select the device for accounting.

The device is displayed with the format "Model Code_Identification ID Device Name".

The device name is displayed only for log files within 2 days from the current date.



Note

You can select multiple devices by clicking while pressing the <Shift> key or the <Ctrl> key.

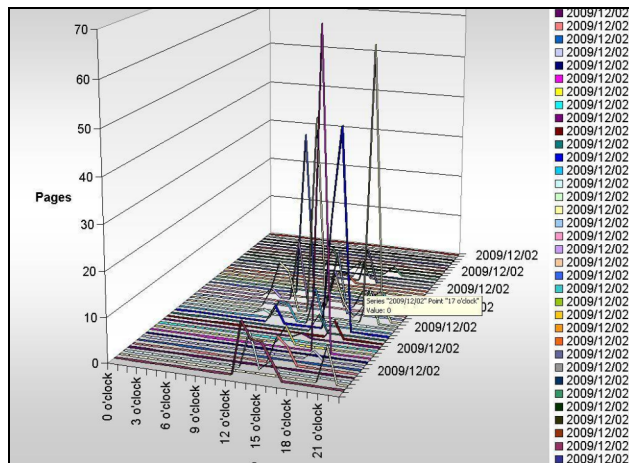
5. From [Report Type], select the graph to be created.



Refer

"Types of Operation Graphs That Can Be Created" (P.40)

6. Click [Create Operation Graph].
An operation graph is displayed.



Note

When preparing the graph, the source data of the graph is recorded in the “Operation Data” sheet. Explanation of the details of this source data is omitted in this manual. In case information such as the specifications of the source data is required, please contact our representative.

7. As necessary, save the operation graph.

Types of Operation Graphs That Can Be Created

The following graphs can be created with [Report Type] of the [Graph] sheet.



Note

The jobs for graph creation are the Print, System Sheet, Copy, Print Stored Faxes, Fax Print, and Print Polling Fax jobs.

When “Impressions by Periods & Services” is selected for the graph type, additionally the Fax (Fax Send, Direct Fax, Receive Polling Fax, and Send Internet Fax) jobs become target data.

Impressions by periods and device names

Graph type: 3D line graph

Vertical axis: Impressions

Horizontal axis: Period

Remark: Device Name

Impressions by periods and dates

Graph type: 3D line graph

Vertical axis: Impressions

Horizontal axis: Period

Remark: Date

Impressions by periods and run-lengths

Graph type: Stacked line graph

Vertical axis: Impressions

Horizontal axis: Period

Remark: Run-Length



The run length indicates the number of copies output with one print operation.

Impressions by periods and services

Graph type: 3D line graph

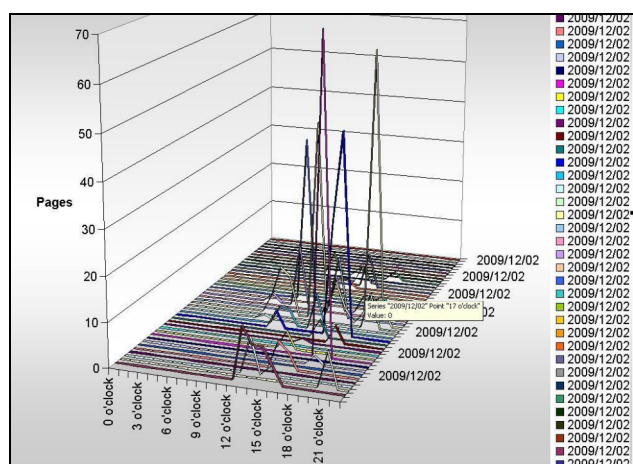
Vertical axis: Impressions

Horizontal axis: Period

Remark: Print, Print Inbound Fax, System Sheet, Copy, Scan, and Fax Send

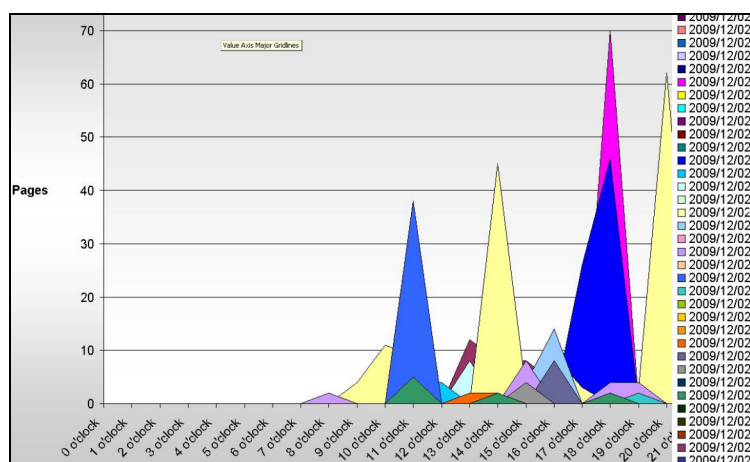
Example of 3D line graph per time period

An example of a 3D line graph per time period is shown in the figure below.



Example of stacked line graph

An example of a stacked line graph is shown in the figure below.



Searching for Job Logs

This section describes the procedures for searching for jobs including arbitrary text, jobs in which the user is blank, and jobs for which the user is not registered in the user information file.

About Job Logs Search

From the [Search] sheet of Job Log Analyzer, you can search the following jobs from job logs.

- Arbitrary text
- Unknown users
- Users not registered in user information files

If “Host Name”, “User Name”, and “Job Owner Name” are all blank, the status is called “Unknown User”. The search targets are the jobs whose service type is “Print” or “Copy”.



Note

When [Use Card ID as Copy Service User Name] of the [Settings] sheet is set to [On], copy jobs are not searched.



Refer

“[Use Card ID as Copy Service User Name]” (P.17)

Searching for Job Logs

1. Start Job Log Analyzer.



Refer

“Start Job Log Analyzer” (P.7)

2. Click [Search].

Job_Log_Analyzer.xls

Period | Month | Graph | **Search** | Settings | Information

You can select multiple items by holding down the Shift and Ctrl keys.

Date: 05/22/2009 Fri
05/25/2009 Mon
06/01/2009 Mon
06/09/2009 Tue
06/10/2009 Wed
06/12/2009 Fri
06/14/2009 Sun
06/15/2009 Mon
06/16/2009 Tue
06/19/2009 Fri
06/22/2009 Mon

Specify Device (Col 1: Model Code_Identification ID, Col 2: Device Name):

NC100270_519292	dev3
-----------------	------

☒ Search Unregistered User

☐ Search Text

☐ Search Unknown User

Search

3. From [Date] of the [Search] sheet, select the date for which to search.



Note

You can select multiple dates by clicking while pressing the <Shift> key or the <Ctrl> key.

4. From [Specify Device], select the device for searching.
The device is displayed with the format "Model Code_Identification ID Device Name".
"Device Name" is displayed only for logs within 2 days from the current date.



You can select multiple devices by clicking while pressing the <Shift> key or the <Ctrl> key.

5. Select [Search Unregistered User] or [Search Text].
When you select [Search Text], enter text for which to search in the text box. You can use a one-byte question mark (?) or a one-byte asterisk (*) as wild card characters. To use "?" or "*" as a character, attach double quotation marks in front such as "?" or "*" and then enter it.

6. Click [Search].

■ When you select [Search Unregistered User]

Users are determined by "User Determination Method", and jobs for which the user is not registered in the user information file are listed. In the list, "User" and "File Name" determined with "User Determination Method" are added.



"[User Determination Method]" (P.13)

■ When you select [Search Text]

Jobs including the search text are listed.

■ When you select [Search Text] and select a check-box for [Search Unknown User]

Jobs for which "Host Name", "Host Name" and "Job Owner Name" all are blank are listed. When search text is entered, jobs including the search text also are listed. "File Name" is added to the list.

Book12						
	A	B	C	D	E	F
	File Name	Printer Name	Branch No.	MIB Type	Product Name	Job ID
1						Service Type
2	C:\Data\JobLogs\20090601\JLNG100270_519292.csv	dev3	1 of 1	MIB(SOAP)	ApeosPort-III C4405	32 Copy
3	C:\Data\JobLogs\20090616\JLNG100270_519292.csv	dev3	1 of 2	MIB(SOAP)	ApeosPort-III C4405	76 System Sheet
4	C:\Data\JobLogs\20090616\JLNG100270_519292.csv	dev3	2 of 2	MIB(SOAP)	ApeosPort-III C4405	76 System Sheet

7. As necessary, save the search result.

Details of Reports That Can Be Created

This section describes the types of reports that can be created with Accounting by Period and with Accounting by Month.

Reports That Can Be Created with Accounting by Period

The following reports can be selected with [Report Type] of the [Period] sheet

Group	Report Types	Accounting	Analysis
ECO report	ECO analysis	×	○
List report	Details per user and per device	○	○
	Details per user	○	×
	Per user and per mode	○	×
	Per user and per service type	×	○
	Per user and per document type	×	○
	Per user	○	○
	Details per organization and per device	○	○
	Details per organization	○	×
	Per organization and per mode	○	×
	Per organization and per service type	×	○
	Per organization and per document type	×	○
	Per organization	○	○
	Details per device and per user	○	○
	Details per device and per organization	○	×
	Details per device	○	○
	Per device and per mode	○	×
	Per device and per organization	×	○
	Per device	○	○
	Per model	○	×
	Details per account and per user	○	○
	Document type	×	○
Impressions/sheets list report	Impressions per organization and per device	○	×
	Sheets per organization and per device	○	×
	Impressions per device and per organization	○	×
	Sheets per device and per organization	○	×
	Impressions per user	○	×
	Sheets per user	○	×
	Impressions per organization	○	×
	Sheets per organization	○	×

Group	Report Types	Accounting	Analysis
Graph report	Output impressions graph per user and per mode	○	×
	Output sheets graph by user and per mode	○	×
	Output impressions graph per user and per service type	○	×
	Output sheets graph per user and per service type	○	×
	Number of sheets saved graph per user	×	○
	Output impressions graph per organization and per mode	○	×
	Output sheets graph by organization and per mode	○	×
	Output impressions graph per organization and per service type	○	×
	Output sheets graph per organization and per service type	○	×
	Number of sheets saved graph per organization	×	○
	Paper reduction rate graph per organization	×	○
Other reports	Unregistered user list	○	×
	Unregistered user list per device	○	×
	Analysis	○	×

**Note**

If you create a custom report, the [Custom Report] group is displayed.

**Refer**

"Customizing Reports" (P.82)

Details of Accounting by Period/List Report (when [Accounting] is selected)

This section describes the details of reports displayed in the [List Report] group when you select [Accounting] for Accounting by Period.

**Note**

- The charges item is displayed only for calculating charges for impressions or charges for fax transmissions.
- For items for which "Key" is listed, the data rows are sorted by the values of the items.
- For items for which "Accounting" is listed, subtotals are displayed.

Details per user and per device

Accounting/ Key	Key	Key	Key	Key	Key	Key				
Organization Name	User Name	Unique Alphanumeric ID	Device Name	Service types	Output Color	Size	Impressions	Number of sheets	Number of jobs	Cost

Details per user

Accounting/ Key	Key	Key	Key	Key	Key				
Organization Name	User Name	Unique Alphanumeric ID	Service types	Output Color	Size	Impressions	Number of sheets	Number of jobs	Cost

Per user and per mode

Accounting/ Key	Key	Key	Key	Key				
Organization Name	User Name	Unique Alphanumeric ID	Service types	Output Color	Impressions	Number of sheets	Number of jobs	Cost

Per user

Accounting/ Key	Key	Key						
Organization Name	User Name	Unique Alphanumeric ID	Impressions	Number of sheets	Actual paper reduction	Possible paper reduction	Number of jobs	Cost

Details per organization and per device

Accounting/ Key	Key	Key	Key	Key				
Organization Name	Device Name	Service types	Output Color	Size	Impressions	Number of sheets	Number of jobs	Cost

Details per organization

Accounting/ Key	Key	Key	Key				
Organization Name	Service types	Output Color	Size	Impressions	Number of sheets	Number of jobs	Cost

Per organization and per mode

Accounting/ Key	Key	Key				
Organization Name	Service types	Output Color	Impressions	Number of sheets	Number of jobs	Cost

Per organization

Key				
Organization Name	Impressions	Number of sheets	Number of jobs	Cost

Details per device and per user

Accounting/Key	Key	Key	Key	Key	Key				
Device Name	User Name	Unique Alphanumeric ID	Service types	Output Color	Size	Impressions	Number of sheets	Number of jobs	Cost

Details per device and per organization

Accounting/Key	Key	Key	Key	Key				
Device Name	Organization Name	Service types	Output Color	Size	Impressions	Number of sheets	Number of jobs	Cost

Details per device

Accounting/Key	Key	Key	Key				
Device Name	Service types	Output Color	Size	Impressions	Number of sheets	Number of jobs	Cost

Per device and per mode

Accounting/Key	Key	Key				
Device Name	Service types	Output Color	Impressions	Number of sheets	Number of jobs	Cost

Per device

Key				
Device Name	Impressions	Number of sheets	Number of jobs	Cost

Per model

Accounting/Key	Key				
Model Name	Device Name	Impressions	Number of sheets	Number of jobs	Cost

Details per account and per user

Accounting/Key	Key	Key	Key	Key	Key	Key				
AccountID	Organization Name	User Name	Unique Alphanumeric ID	Service types	Output Color	Size	Impressions	Number of sheets	Number of jobs	Cost



Note

When User Determination Method is set to "By Account ID", you cannot create a By Account and User (Detailed) report.

Details of Accounting by Period/Impressions/Sheets List Report (when [Accounting] is selected)

This section describes the details of reports displayed in the [Impressions/Sheets List Report] group when you select [Accounting] for Accounting by Period

Here, to fit the display items of the report on the page, we are describing the actual column orientation of the report in a row orientation.



Note

- The charges item is displayed only for calculating charges for impressions or charges for fax transmissions.
- Legal and Letter are displayed for size only when that data exists.
- Scans and faxes are displayed depending on the setting.
- For items for which "Key" is listed, the data rows are sorted by the values of the items.
- For items for which "Accounting" is listed, subtotals are displayed.

Impressions per organization and per device

Organization name (Accounting/Key)			
Device name (Key)			
Output	Service types	Copying	Black and white
			Full Color
			Other colors
			Copy total
		Print (including system sheet)	Black and white
			Full Color
			Other colors
			Print total
		Print received fax	Black and white
			Full Color
			Other colors
			Print received fax total
	Output color (Output)	Black and white	
		Full Color	
		Other colors	
	Size	A3	
		B4	
		A4	
		B5	
		8.5 x 11" (Letter)	
8.5 x 14" (Legal)			
The Others			
Total output impressions			
Total output cost			
Scan	Output color (Scan)	Black and white	
		Full Color	
		Other colors	
	Scan original size	A3	
		B4	
		A4	
		B5	
		8.5 x 11" (Letter)	
		8.5 x 14" (Legal)	
		The Others	
	Total scan impressions		
	Total scan cost		
Send Fax	Total send fax impressions		
	Total send fax cost		

Sheets per organization and per device

Organization name (Accounting/Key)			
Device name (Key)			
Output	Service types	Copying	Black and white
			Full Color
			Other colors
			Copy total
		Print (including system sheet)	Black and white
			Full Color
			Other colors
			Print total
		Print received fax	Black and white
			Full Color
			Other colors
			Print received fax total
	Output color (Output)		Black and white
			Full Color
			Other colors
	Size		A3
			B4
A4			
B5			
8.5 x 11" (Letter)			
8.5 x 14" (Legal)			
The Others			
		Total output sheets	

Impressions per device and per organization

Device name (Accounting/Key)			
Organization name (Key)			
Output	Service types	Copying	Black and white
			Full Color
			Other colors
			Copy total
		Print (including system sheet)	Black and white
			Full Color
			Other colors
			Print total
		Print received fax	Black and white
			Full Color
			Other colors
			Print received fax total
	Output color (Output)	Black and white	
		Full Color	
		Other colors	
	Size	A3	
		B4	
		A4	
		B5	
		8.5 x 11" (Letter)	
		8.5 x 14" (Legal)	
		The Others	
			Total output impressions
		Total output cost	
Scan	Output color (Scan)	Black and white	
		Full Color	
		Other colors	
	Scan original size	A3	
		B4	
		A4	
		B5	
		8.5 x 11" (Letter)	
		8.5 x 14" (Legal)	
		The Others	
			Total scan impressions
			Total scan cost

Send Fax		Total send fax impressions
		Total send fax cost

Sheets per device and per organization

Device name (Accounting/Key)			
Organization name (Key)			
Output	Service types	Copying	Black and white
			Full Color
			Other colors
			Copy total
		Print (including system sheet)	Black and white
			Full Color
			Other colors
			Print total
		Print received fax	Black and white
			Full Color
			Other colors
			Print received fax total
	Output color (Output)		Black and white
			Full Color
			Other colors
	Size		A3
			B4
A4			
B5			
8.5 x 11" (Letter)			
8.5 x 14" (Legal)			
The Others			
		Total output sheets	

Impressions per user

Organization name (Accounting/Key)			
User name (Key)			
Unique alphanumeric ID (Key)			
Output	Service types	Copying	Black and white
			Full Color
			Other colors
			Copy total
		Print (including system sheet)	Black and white
			Full Color
			Other colors
			Print total
		Print received fax	Black and white
			Full Color
			Other colors
			Print received fax total
	Output color (Output)	Black and white	
		Full Color	
		Other colors	
	Size	A3	
		B4	
		A4	
		B5	
		8.5 x 11" (Letter)	
8.5 x 14" (Legal)			
The Others			
Total output impressions			
Total output cost			
Scan	Output color (Scan)	Black and white	
		Full Color	
		Other colors	
	Scan original size	A3	
		B4	
		A4	
		B5	
		8.5 x 11" (Letter)	
		8.5 x 14" (Legal)	
		The Others	
		Total scan impressions	
	Total scan cost		

Send Fax		Total send fax impressions
		Total send fax cost

Sheets per user

Organization name (Accounting/Key)			
User name (Key)			
Unique alphanumeric ID (Key)			
Output	Service types	Copying	Black and white
			Full Color
			Other colors
			Copy total
		Print (including system sheet)	Black and white
			Full Color
			Other colors
			Print total
		Print received fax	Black and white
			Full Color
			Other colors
			Print received fax total
	Output color (Output)		Black and white
			Full Color
			Other colors
	Size		A3
			B4
			A4
			B5
			8.5 x 11" (Letter)
			8.5 x 14" (Legal)
			The Others
			Total output sheets

Impressions per organization

Organization name (Accounting/Key)			
Output	Service types	Copying	Black and white
			Full Color
			Other colors
			Copy total
		Print (including system sheet)	Black and white
			Full Color
			Other colors
			Print total
		Print received fax	Black and white
			Full Color
			Other colors
			Print received fax total
	Output color (Output)	Black and white	
		Full Color	
		Other colors	
	Size	A3	
		B4	
A4			
B5			
8.5 x 11" (Letter)			
8.5 x 14" (Legal)			
The Others			
		Total output impressions	
		Total output cost	
Scan	Output color (Scan)	Black and white	
		Full Color	
		Other colors	
	Scan original size	A3	
		B4	
		A4	
		B5	
		8.5 x 11" (Letter)	
		8.5 x 14" (Legal)	
		The Others	
			Total scan impressions
			Total scan cost
	Send Fax		
		Total send fax cost	

Sheets per organization

Organization name (Accounting/Key)			
Output	Service types	Copying	Black and white
			Full Color
			Other colors
			Copy total
		Print (including system sheet)	Black and white
			Full Color
			Other colors
			Print total
		Print received fax	Black and white
			Full Color
			Other colors
			Print received fax total
	Output color (Output)		Black and white
			Full Color
			Other colors
	Size		A3
			B4
A4			
B5			
8.5 x 11" (Letter)			
8.5 x 14" (Legal)			
The Others			
		Total output sheets	

Details of Accounting by Period/Graph Reports (when [Accounting] is selected)

This section describes the details of reports displayed in the [Graph Report] group when you select [Accounting] for Accounting by Period.

Output impressions graph per user and per mode

Graph type: Stacked horizontal bar graph

Vertical axis: User Name

Horizontal axis: Impressions

Remark: Black Impressions, Color Impressions, Other Color Impressions

Output sheets graph by user and per mode

Graph type: Stacked horizontal bar graph

Vertical axis: User Name

Horizontal axis: Sheets

Remark: Black Delivered, Color Delivered, Other Color Delivered

Output impressions graph per user and per service type

Graph type: Stacked horizontal bar graph

Vertical axis: User Name

Horizontal axis: Impressions

Remark: Copy impressions, Print Impressions, Print Inbound Fax Impressions

Output sheets graph per user and per service type

Graph type: Stacked horizontal bar graph

Vertical axis: User Name

Horizontal axis: Sheets

Remark: Copy Impressions, Print Sheets, Print Inbound Fax Sheets

Output impressions graph per organization and per mode

Graph type: Stacked horizontal bar graph

Vertical axis: Organization Name

Horizontal axis: Impressions

Remark: Black Impressions, Color Impressions, Other Color Impressions

Output sheets graph by organization and per mode

Graph type: Stacked horizontal bar graph

Vertical axis: Organization Name

Horizontal axis: Sheets

Remark: Black Delivered, Color Delivered, Other Color Delivered

Output impressions graph per organization and per service type

Graph type: Organization Name

Vertical axis: Organization Name

Horizontal axis: Impressions

Remark: Copy impressions, Print Impressions, Print Inbound Fax Impressions

Output sheets graph per organization and per service type

Graph type: Stacked horizontal bar graph

Vertical axis: Organization Name

Horizontal axis: Sheets

Remark: Copy Impressions, Print Sheets, Print Inbound Fax Sheets

Details of Other Reports (when [Accounting] is selected)

This section describes the details of reports displayed in the [Other Report] group when you select [Accounting] for Accounting by Period.

Unregistered user list

User	User Name	Unique Alphanumeric ID	Organization Name
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The user name, personal number and Organization name are displayed as blank to match with the user information file and format.



"Format of Charge Information Files" (P.27)

Unregistered user list per device

Device Name	User
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Analysis

Create a report using the report table function of Excel.



Pivot table feature→Help for Excel

Period Accounting / ECO Report Details (When selecting [Analysis])

When [Analysis] is selected in period accounting, the details of the report displayed in [ECO report] are described.

Analysis by Device Unit

Balance Distribution in Output Sheet(s)

Graph type: Clustered bar graph

Vertical axis:

Total sheets of the aggregated services output during the analysis period

Sheets are the aggregate value based on the settings of the specified paper size conversion

X Axis:

Number of devices running during the analysis period

Output sheets by device

Graph type: Clustered bar graph

Vertical axis:

Total sheets of the aggregated services output during the analysis period

Sheets are the aggregate value based on the settings of the specified paper size conversion

X Axis:

Name of the devices running during the analysis period

Reduction status of CO2 emissions

Graph type: Vertical bar graph

Y Axis: CO2 emissions

X Axis:

- Actual paper reduction not implemented

CO2 emissions of all devices running during the analysis period when 2 Sided Print and Pages per Side are not specified

- Actual Paper Reduction
CO2 emissions of all devices running during the analysis period
- Actual Paper Reduction target
CO2 emissions of all devices running during the analysis period when paper output is reduced by 2 Sided Print and Pages per Side print.

Analysis by User Unit

Balance Distribution in Output Sheet(s)

Graph type: Clustered bar graph

Vertical axis:

Total sheets of the aggregated services output during the analysis period

Sheets are the aggregate value based on the settings of the specified paper size conversion

X Axis:

Users using the device during the analysis period

User is displayed in the format of "User Name/Organization Name".

Output sheets by user

Graph type: Clustered bar graph

Vertical axis:

Total sheets of the aggregated services output during the analysis period

Sheets are the aggregate value based on the settings of the specified paper size conversion

X Axis:

Name of the devices running during the analysis period

Balance distribution in the Actual Paper Saving Rate

Graph type: Clustered bar graph

Y Axis: Actual Paper Saving Rate

X Axis: Number of users using the device during the analysis period

Actual Paper Saving Rate by User

Graph type: Clustered bar graph

Vertical axis:

Name of user using the device during the analysis period

User is displayed in the format of "User Name/Organization Name".

X Axis:

Actual Paper Saving Rate

Scatter Graph of Output Sheets x Actual Paper Saving Rate

Graph type: Scatter graph

Vertical axis:

Total sheets of the aggregated services output during the analysis period

Sheets are the aggregate value based on the settings of the specified paper size conversion

X Axis:

Actual Paper Saving Rate

Scatter Graph of 2 Sided Rate x Pages per Side rate

Graph type: Scatter graph

Y Axis: Actual 2 Sided Rate output during the analysis period

X Axis: Actual Pages per Side Rate output during the analysis period

Balance Distribution in CO2 emissions

Graph type: Clustered bar graph

Y Axis: CO2 emission due to usage of the device during the analysis period

X Axis: Number of users using the device during the analysis period

CO2 Emissions by User

Graph type: Horizontal bar graph

Vertical axis:

Name of user using the device during the analysis period

User is displayed in the format of "User Name/Organization Name".

X Axis:

CO2 emission due to usage of the device during the analysis period

Analyze Based on Document

Output Sheets by Document Type

Graph Type: Pie Graph (Pie Chart)

Service types are divided according to the document type of the "Print" job, and show each output sheet quantity and percentage.

The document types are "E-mail", "Internet", "Microsoft Word", "Microsoft Excel", "Microsoft PowerPoint", "PDF", "DocuWorks", and "Others".

The order of display is clockwise, showing the highest percentage first. "Others" is set to display as the last item.



Note

- Document type can only be determined when Document Name was set to be saved to job log with ApeosWare Management Suite, and when with the service type as Print. Other document types will be classified as "Others".
- You can set document storage by removing a check-box for [Remove Document Name] in [System Settings] > [Job Log Settings] > [Save Job Log] on the ApeosWare Management Suite administrator screen.

Details of Accounting by Period/List Reports (when [Analysis] is selected)

This section describes the details of reports displayed in the [List Report] group when you select [Analysis] for Accounting by Period.

Here, to fit the display items of the report on the page, we describe the actual column orientation of the report in a row orientation.

Items to which "(*)" is attached are accounting values based on paper size conversion settings.



Note

- For items for which "Key" is listed, the data rows are sorted by the values of the items.
- For items for which "Accounting" is listed, subtotals are displayed.

Details per user and per device

Accounting/Key	Organization Name
Key	User Name
Key	Unique Alphanumeric ID
Key	Device Name
Key	Service types
Key	Output Color
Key	Size
	Sheets(*)
	Actual Paper Reduction(*)
	Paper Reduction Rate(*)
	Actual Paper Saving Rate(*)
	Side 2 Sheets(*)
	Transparencies(*)
	2 Sided Delivered(*)
	2 Sided Rate(*)
	2 Pages Delivered(*)
	3 or More Pages Delivered(*)
	Pages per Side Rate(*)
	Original Sheets(*)
	Possible Paper Reduction(*)
	Impressions(*)
	Impressions
	Number of sheets
	Model Name
	Number of jobs

Per user and per service type

Accounting/Key	Organization Name
Key	User Name
Key	Unique Alphanumeric ID
Key	Service types
Key	Output Color
Key	Size
	Sheets(*)
	Actual Paper Reduction(*)
	Paper Reduction Rate(*)
	Actual Paper Saving Rate(*)
	Side 2 Sheets(*)
	Transparencies(*)

	2 Sided Delivered(*)
	2 Sided Rate(*)
	2 Pages Delivered(*)
	3 or More Pages Delivered(*)
	Pages per Side Rate(*)
	Original Sheets(*)
	Possible Paper Reduction(*)

Per user and per document type

Accounting/Key	Organization Name
Key	User Name
Key	Unique Alphanumeric ID
Key	Document type
Key	Output Color
Key	Size
	Sheets(*)
	Actual Paper Reduction(*)
	Paper Reduction Rate(*)
	Actual Paper Saving Rate(*)
	Side 2 Sheets(*)
	Transparencies(*)
	2 Sided Delivered(*)
	2 Sided Rate(*)
	2 Pages Delivered(*)
	3 or More Pages Delivered(*)
	Pages per Side Rate(*)
	Original Sheets(*)
	Possible Paper Reduction(*)

Per user

Accounting/Key	Organization Name
Key	User Name
Key	Unique Alphanumeric ID
Key	Output Color
Key	Size
	Sheets(*)
	Actual Paper Reduction(*)
	Paper Reduction Rate(*)
	Actual Paper Saving Rate(*)
	Side 2 Sheets(*)
	Transparencies(*)

	2 Sided Delivered(*)
	2 Sided Rate(*)
	2 Pages Delivered(*)
	3 or More Pages Delivered(*)
	Pages per Side Rate(*)
	Original Sheets(*)
	Possible Paper Reduction(*)

Details per organization and per device

Accounting/Key	Organization Name
Key	Device Name
Key	Service types
Key	Output Color
Key	Size
	Sheets(*)
	Actual Paper Reduction(*)
	Paper Reduction Rate(*)
	Actual Paper Saving Rate(*)
	Side 2 Sheets(*)
	Transparencies(*)
	2 Sided Delivered(*)
	2 Sided Rate(*)
	2 Pages Delivered(*)
	3 or More Pages Delivered(*)
	Pages per Side Rate(*)
	Original Sheets(*)
	Possible Paper Reduction(*)
	Impressions(*)
	Impressions
	Number of sheets
	Model Name
	Number of jobs

Per organization and per service type

Accounting/Key	Organization Name
Key	Service types
Key	Output Color
Key	Size
	Number of sheets
	Actual paper reduction
	Paper Reduction Rate(*)
	Actual Paper Saving Rate(*)
	Side 2 Sheets(*)
	Transparencies(*)
	2 Sided Delivered(*)
	2 Sided Rate(*)
	2 Pages Delivered(*)
	3 or More Pages Delivered(*)
	Pages per Side Rate(*)
	Original Sheets(*)
	Possible Paper Reduction(*)

Per organization and per document type

Accounting/Key	Organization Name
Key	Document type
Key	Output Color
Key	Size
	Number of sheets
	Actual paper reduction
	Paper Reduction Rate(*)
	Actual Paper Saving Rate(*)
	Side 2 Sheets(*)
	Transparencies(*)
	2 Sided Delivered(*)
	2 Sided Rate(*)
	2 Pages Delivered(*)
	3 or More Pages Delivered(*)
	Pages per Side Rate(*)
	Original Sheets(*)
	Possible Paper Reduction(*)

Per organization

Accounting/Key	Organization Name
Key	Output Color
Key	Size
	Sheets(*)
	Actual Paper Reduction(*)
	Paper Reduction Rate(*)
	Actual Paper Saving Rate(*)
	Side 2 Sheets(*)
	Transparencies(*)
	2 Sided Delivered(*)
	2 Sided Rate(*)
	2 Pages Delivered(*)
	3 or More Pages Delivered(*)
	Pages per Side Rate(*)
	Original Sheets(*)
	Possible Paper Reduction (*)

Details per device and per user

Accounting/Key	Device Name
Key	Organization Name
Key	User Name
Key	Unique Alphanumeric ID
Key	Service types
Key	Output Color
Key	Size
	Sheets(*)
	Actual Paper Reduction(*)
	Paper Reduction Rate(*)
	Actual Paper Saving Rate(*)
	Side 2 Sheets(*)
	Transparencies(*)
	2 Sided Delivered(*)
	2 Sided Rate(*)
	2 Pages Delivered(*)
	3 or More Pages Delivered(*)
	Pages per Side Rate(*)
	Original Sheets(*)
	Possible Paper Reduction(*)
	Impressions(*)
	Impressions

	Number of sheets
	Model Name
	Number of jobs

Details per device

Accounting/Key	Device Name
Key	Service types
Key	Output Color
Key	Size
	Sheets(*)
	Actual Paper Reduction(*)
	Paper Reduction Rate(*)
	Actual Paper Saving Rate(*)
	Side 2 Sheets(*)
	Transparencies(*)
	2 Sided Delivered(*)
	2 Sided Rate(*)
	2 Pages Delivered(*)
	3 or More Pages Delivered(*)
	Pages per Side Rate(*)
	Original Sheets(*)
	Possible Paper Reduction(*)
	Impressions(*)
	Impressions
	Number of sheets
	Model Name
	Number of jobs

Per device and per organization

Accounting/Key	Device Name
Key	Organization Name
Key	Output Color
Key	Size
	Sheets(*)
	Actual Paper Reduction(*)
	Paper Reduction Rate(*)
	Actual Paper Saving Rate(*)
	Side 2 Sheets(*)
	Transparencies(*)
	2 Sided Delivered(*)
	2 Sided Rate(*)

	2 Pages Delivered(*)
	3 or More Pages Delivered(*)
	Pages per Side Rate(*)
	Original Sheets(*)
	Possible Paper Reduction(*)
	Model Name

Per device

Accounting/Key	Device Name
Key	Output Color
Key	Size
	Sheets(*)
	Actual Paper Reduction(*)
	Paper Reduction Rate(*)
	Actual Paper Saving Rate(*)
	Side 2 Sheets(*)
	Transparencies(*)
	2 Sided Delivered(*)
	2 Sided Rate(*)
	2 Pages Delivered(*)
	3 or More Pages Delivered(*)
	Pages per Side Rate(*)
	Original Sheets(*)
	Possible Paper Reduction(*)

Details per account and per user

Accounting/Key	AccountID
Key	Organization Name
Key	User Name
Key	Unique Alphanumeric ID
Key	Device Name
Key	Service types
Key	Output Color
Key	Size
	Sheets(*)
	Actual Paper Reduction(*)
	Paper Reduction Rate(*)
	Actual Paper Saving Rate(*)
	Side 2 Sheets(*)
	Transparencies(*)
	2 Sided Delivered(*)

	2 Sided Rate(*)
	2 Pages Delivered(*)
	3 or More Pages Delivered(*)
	Pages per Side Rate(*)
	Original Sheets(*)
	Possible Paper Reduction(*)
	Impressions(*)
	Impressions
	Number of sheets
	Model Name
	Number of jobs

Document type

Accounting/Key	Document type
Key	Output Color
Key	Size
	Sheets(*)
	Actual Paper Reduction(*)
	Paper Reduction Rate(*)
	Actual Paper Saving Rate(*)
	Side 2 Sheets(*)
	Transparencies(*)
	2 Sided Delivered(*)
	2 Sided Rate(*)
	2 Pages Delivered(*)
	3 or More Pages Delivered(*)
	Pages per Side Rate(*)
	Original Sheets(*)
	Possible Paper Reduction(*)

Details of Accounting by Period/Graph Reports (when [Analysis] is selected)

This section describes the details of reports displayed in the [Graph Report] group when you select [Analysis] for Accounting by Period.

Number of sheets saved graph per user

Graph type: Clustered bar graph

Vertical axis: User Name

Horizontal axis: Sheets

Remark: Sheets, Actual Paper Reduction, Possible Paper Reduction

Number of sheets saved graph per organization

Graph type: Clustered bar graph

Vertical axis: Organization Name

Horizontal axis: Sheets

Remark: Sheets, Actual Paper Reduction, Possible Paper Reduction

Paper reduction rate graph per organization

Graph type: Clustered bar graph and line graph

Vertical axis: Sheets

Horizontal axis: Organization Name

Legend: Sheets, Manuscript impressions, Paper Saving Rate (broken line), Actual Paper Saving Rate (broken line)

Reports That Can Be Created with Accounting by Month

The following reports can be selected with [Report Type] of the [Month] sheet.

Group	Report Types	Accounting	Analysis
List report	Details per user and per device	☐	×
	Details per user	☐	×
	Per user and per mode	☐	×
	Per user	☐	×
	Details per organization and per device	☐	×
	Details per organization	☐	×
	Per organization and per mode	☐	×
	Per organization	☐	×
	Details per device and per user	☐	×
	Details per device and per organization	☐	×
	Details per device	☐	×
	Per device and per mode	☐	×
	Per device	☐	×
	Per model	☐	×
	Details per account and per user	☐	×

Group	Report Types	Accounting	Analysis
Graph report	Output impressions graph per user and per mode	○	×
	Output sheets graph by user and per mode	○	×
	Output impressions graph per user and per service type	○	×
	Output sheets graph per user and per service type	○	×
	Output impressions graph per organization and per mode	○	×
	Output sheets graph by organization and per mode	○	×
	Output impressions graph per organization and per service type	○	×
	Output sheets graph per organization and per service type	○	×
	Output impressions graph per organization	○	×
	Output sheets graph per organization	○	×
	Paper reduction rate transition graph per organization	×	○
	Actual paper saving rate transition graph per organization	×	○

Details of Accounting by Month/List Reports (when [Accounting] is selected)

This section describes the details of reports displayed in the [List Report] group when you select [Accounting] for Accounting by Month



Note

- The charges item is displayed only for calculating charges for impressions or charges for fax transmissions.
- For items for which "Key" is listed, the data rows are sorted by the values of the items.
- For items for which "Accounting" is listed, subtotals are displayed.

Details per user and per device

Accounting /Key	Key	Key	Key	Key	Key	Key				
							Month/Year			
Organization Name	User Name	Unique Alphanumeric ID	Device Name	Service types	Output Color	Size	Impressions	Number of sheets	Number of jobs	Cost

When multiple months are specified, "Impressions" to "Charge" of "Month/Year" are repeated by the number of months.

Details per user

Accounting /Key	Key	Key	Key	Key	Key				
						Month/Year			
Organization Name	User Name	Unique Alphanumeric ID	Service types	Output Color	Size	Impressions	Number of sheets	Number of jobs	Cost

When multiple months are specified, "Impressions" to "Charge" of "Month/Year" are repeated by the number of months.

Per user and per mode

Accounting /Key	Key	Key	Key	Key				
					Month/Year			
Organization Name	User Name	Unique Alphanumeric ID	Service types	Output Color	Impressions	Number of sheets	Number of jobs	Cost

When multiple months are specified, "Impressions" to "Charge" of "Month/Year" are repeated by the number of months.

Per user

Accounting /Key	Key	Key						
			Month/Year					
Organization Name	User Name	Unique Alphanumeric ID	Impressions	Number of sheets	Actual paper reduction	Possible paper reduction	Number of jobs	Cost

When multiple months are specified, "Impressions" to "Charge" of "Month/Year" are repeated by the number of months.

Details per organization and per device

Accounting /Key	Key	Key	Key	Key				
					Month/Year			
Organization Name	Device Name	Service types	Output Color	Size	Impressions	Number of sheets	Number of jobs	Cost

When multiple months are specified, "Impressions" to "Charge" of "Month/Year" are repeated by the number of months.

Details per organization

Accounting /Key	Key	Key	Key				
				Month/Year			
Organization Name	Service types	Output Color	Size	Impressions	Number of sheets	Number of jobs	Cost

When multiple months are specified, "Impressions" to "Charge" of "Month/Year" are repeated by the number of months.

Per organization and per mode

Accounting /Key	Key	Key	Key				
				Month/Year			
Organization Name	Service types	Output Color	Size	Impressions	Number of sheets	Number of jobs	Cost

When multiple months are specified, "Impressions" to "Charge" of "Month/Year" are repeated by the number of months.

Per organization

Accounting /Key				
	Month/Year			
Organization Name	Impressions	Number of sheets	Number of jobs	Cost

When multiple months are specified, "Impressions" to "Charge" of "Month/Year" are repeated by the number of months.

Details per device and per user

Accounting /Key	Key	Key	Key	Key	Key	Key				
							Month/Year			
Device Name	Organization Name	User Name	Unique Alphanumeric ID	Service types	Output Color	Size	Impressions	Number of sheets	Number of jobs	Cost

When multiple months are specified, "Impressions" to "Charge" of "Month/Year" are repeated by the number of months.

Details per device and per organization

Accounting /Key	Key	Key	Key	Key				
					Month/Year			
Device Name	Organization Name	Service types	Output Color	Size	Impressions	Number of sheets	Number of jobs	Cost

When multiple months are specified, "Impressions" to "Charge" of "Month/Year" are repeated by the number of months.

Details per device

Accounting /Key	Key	Key	Key				
				Month/Year			
Device Name	Service types	Output Color	Size	Impressions	Number of sheets	Number of jobs	Cost

When multiple months are specified, "Impressions" to "Charge" of "Month/Year" are repeated by the number of months.

Per device and per mode

Accounting /Key	Key	Key				
			Month/Year			
Device Name	Service types	Output Color	Impressions	Number of sheets	Number of jobs	Cost

When multiple months are specified, "Impressions" to "Charge" of "Month/Year" are repeated by the number of months.

Per device

Key				
	Month/Year			
Device Name	Impressions	Number of sheets	Number of jobs	Cost

When multiple months are specified, "Impressions" to "Charge" of "Month/Year" are repeated by the number of months.

Per model

Accounting /Key	Key				
		Month/Year			
Model Name	Device Name	Impressions	Number of sheets	Number of jobs	Cost

When multiple months are specified, "Impressions" to "Charge" of "Month/Year" are repeated by the number of months.

Details per account and per user

Accounting /Key	Key		Key	Key	Key	Key				
							Month/Year			
Account ID	Organization Name	User Name	Unique Alphanumeric ID	Service types	Output Color	Size	Impressions	Number of sheets	Number of jobs	Cost

When multiple months are specified, "Impressions" to "Charge" of "Month/Year" are repeated by the number of months.

Details of Accounting by Month/Graph Reports (when [Accounting] is selected)

This section describes the details of reports displayed in the [Graph Report] group when you select [Accounting] for Accounting by Month.

Output impressions graph per user and per mode

Graph type: Stacked horizontal bar graph

Vertical axis: User Name/Month/Year

Horizontal axis: Impressions

Remark: Black Impressions, Color Impressions, Other Color Impressions

Output sheets graph by user and per mode

Graph type: Stacked horizontal bar graph

Vertical axis: User Name/Month/Year

Horizontal axis: Sheets

Remark: Black Delivered, Color Delivered, Other Color Delivered

Output impressions graph per user and per service type

Graph type: Stacked horizontal bar graph

Vertical axis: User Name/Month/Year

Horizontal axis: Impressions

Remark: Copy impressions, Print Impressions, Print Inbound Fax Impressions

Output sheets graph per user and per service type

Graph type: Stacked horizontal bar graph

Vertical axis: User Name/Month/Year

Horizontal axis: Sheets

Remark: Copy Impressions, Print Sheets, Print Inbound Fax Sheets

Output impressions graph per organization and per mode

Graph type: Stacked horizontal bar graph

Vertical axis: Organization Name/Month/Year

Horizontal axis: Impressions

Remark: Black Impressions, Color Impressions, Other Color Impressions

Output sheets graph by organization and per mode

Graph type: Stacked horizontal bar graph

Vertical axis: Organization Name/Month/Year

Horizontal axis: Sheets

Remark: Black Delivered, Color Delivered, Other Color Delivered

Output impressions graph per organization and per service type

Graph type: Stacked horizontal bar graph

Vertical axis: Organization Name/Month/Year

Horizontal axis: Impressions

Remark: Copy impressions, Print Impressions, Print Inbound Fax Impressions

Output sheets graph per organization and per service type

Graph type: Stacked horizontal bar graph

Vertical axis: Organization Name/Month/Year

Horizontal axis: Sheets

Remark: Copy Impressions, Print Sheets, Print Inbound Fax Sheets

Output impressions graph per organization

Graph type: Stacked vertical bar graph (including subdivision lines)

Vertical axis: Impressions

Horizontal axis: Month/Year

Remark: Organization Name

Output sheets graph per organization

Graph type: Stacked vertical bar graph (including subdivision lines)

Vertical axis: Sheets

Horizontal axis: Month/Year

Remark: Organization Name

Details of Accounting by Month/Graph Reports (when [Analysis] is selected)

This section describes the details of reports displayed in the [Graph Report] group when you select [Analysis] for Accounting by Month.

Paper reduction rate transition graph per organization

Graph type: Line graph

Vertical axis: Paper Reduction Rate

Horizontal axis: Month/Year

Remark: Organization Name

Actual paper saving rate transition graph per organization

Graph type: Line graph

Y Axis: Actual reduction rate

Horizontal axis: Month/Year

Remark: Organization Name

Relationship Between Report Items and Job Logs

This section describes how the paper type, output color, user, and service type displayed in the report are decided according to the items of job logs.

Relationship Between Job Log Items and “Service Type” of Reports

“Service Type” of reports is decided according to “Service Details” and “Service Type” of job logs. This corresponding relationship and whether call charges are calculated per service type are shown in the table.

Job Logs		Report	
Service Types	Service Details	Service Types	Calculate call charges
Printing	-	Printing	No
Printing	Secure Print Private Print Charge Print	Printing	No
Printing	Copy Server - Print	Printing	No
System Sheet	-	System Sheet	No
Copying	-	Copying	No
Scan	-	Scan	No
Forward by E-mail	Scan to E-mail Scanner (URL Send)	Scan	No
File Transfer	Scan to File Scan to CentreTool Store to USB	Scan	No

Job Logs		Report	
Service Types	Service Details	Service Types	Calculate call charges
Printing	Print Stored Faxes Print Stored Internet Faxes Sample Print File for Free Fax Polling Sample Print File for Secure Fax Polling	Print Stored Faxes	No
Printing	Print Auto Received Fax Print Manual Received Fax Print Inbound Relay Broadcast Fax Print Inbound Internet Fax	Print Fax	No
Printing	Print Inbound Polling Fax	Print Polling Fax	No
File Transfer	Fax Polling Secure Polling Fax Receive	Fax Polling	Yes
Forward by E-mail	Send Internet Fax	Send Fax Internet	No
Faxing	Auto Send Fax Manual Send Fax Auto Send Fax - Remote Folder Fax Relay Broadcast Send Fax Report	Send Fax	Yes
Faxing	Outgoing Direct Fax	Direct Fax	Yes

Relationship Between Job Log Items and “User” of Accounting Report

“User” of accounting reports is decided from “Service Type” and “Service Details” by the rules of the following table.



[User Determination Method] in the table→“[User Determination Method]” (P.13)

Service Types	Service Details	Value of Job Log Decided for “User” of Accounting Report
Printing	-	Value is decided according to [User Determination Method].
Printing	Secure Print Private Print Charge Print	When [User Determination Method] is set to [By Account ID] and Account ID is not blank, Account ID becomes the value. In other cases, Card ID becomes the value. When Card ID is blank, the value is decided according to [User Determination Method].
Printing	Copy Server - Print	When [User Determination Method] is set to [By Account ID] and Account ID is not blank, Account ID becomes the value. In other cases, Card ID becomes the value. When Card ID is blank, Job Owner Name becomes the value. If Job Owner Name is blank, “{Model Code_Identification ID}: Local User” becomes the value.

Service Types	Service Details	Value of Job Log Decided for "User" of Accounting Report
System Sheet	-	When [User Determination Method] is set to [By Account ID] and Account ID is not blank, Account ID becomes the value. In other cases, Card ID becomes the value. When Card ID is blank, Job Owner Name becomes the value. If Job Owner Name is set to "Report/List" or is blank, "{Model Code_Identification ID}: report/list" becomes the value.
Copying	-	When You Prioritize Card ID When [User Determination Method] is set to [By Account ID] and Account ID is not blank, Account ID becomes the value. In other cases, Card ID becomes the value. When Card ID is blank, Job Owner Name becomes the value. If Job Owner Name is blank, User Name becomes the value. If User Name is blank, "{Model Code_Identification ID}: Local User" becomes the value. When You do not Prioritize Card ID Value is decided according to [User Determination Method]. When the decided User Name is "Unknown UID", Card ID becomes the value. When Card ID is blank, "Unknown ID" becomes the value.
Scan	-	When [User Determination Method] is set to [By Account ID] and Account ID is not blank, Account ID becomes the value. In other cases, Card ID becomes the value. When Card ID is blank, Job Owner Name becomes the value. If Job Owner Name is blank, User Name becomes the value. If User Name is blank, "{Model Code_Identification ID}: Local User" becomes the value.
Forward by E-mail	Scan to E-mail Scanner (URL Send)	When [User Determination Method] is set to [By Account ID] and Account ID is not blank, Account ID becomes the value. In other cases, Card ID becomes the value. When Card ID is blank, Job Owner Name becomes the value. If Job Owner Name is blank, User Name becomes the value. If User Name is blank, "{Model Code_Identification ID}: Local User" becomes the value.
File Transfer	Scan to File Scan to CentreTool Store to USB	Same as above
Printing	Print Stored Faxes Print Stored Internet Faxes Sample Print File for Free Fax Polling Sample Print File for Secure Fax Polling	When [User Determination Method] is set to [By Account ID] and Account ID is not blank, Account ID becomes the value. In other cases, Card ID becomes the value. When Card ID is blank, Job Owner Name becomes the value. If Job Owner Name is blank, "{Model Code_Identification ID}: Local User" becomes the value.

Service Types	Service Details	Value of Job Log Decided for "User" of Accounting Report
Printing	Print Auto Received Fax Print Manual Received Fax Print Inbound Relay Broadcast Fax Print Inbound Internet Fax	"{Model Number - Serial Number}: Fax Line {Number portion of Fax Line}" When Fax Line is blank, "{Model Code_Identification ID}: Local User" becomes the value. In the case of Print Inbound Internet Fax, "{Model Code_Identification ID}: Local User" becomes the value.
Printing	Print Inbound Polling Fax	"{Model Code_Identification ID}: Fax Line {Number portion of Fax Line}"
File Transfer	Fax Polling Secure Polling Fax Receive	When [User Determination Method] is set to [By Account ID] and Account ID is not blank, Account ID becomes the value. In other cases, Card ID becomes the value. When Card ID is blank, Job Owner Name becomes the value. If Job Owner Name is blank, "{Model Code_Identification ID}: Fax Line {Number portion of Fax Line}" becomes the value.
Forward by E-mail	Send Internet Fax	When [User Determination Method] is set to [By Account ID] and Account ID is not blank, Account ID becomes the value. In other cases, Card ID becomes the value. When Card ID is blank, Job Owner Name becomes the value. If Job Owner Name is blank, "{Model Code_Identification ID}: Local User" becomes the value.
Fax ^{*1}	Auto Send Fax Manual Send Fax Auto Send Fax - Remote Folder Fax Relay Broadcast Send Fax Report	When [User Determination Method] is set to [By Account ID] and Account ID is not blank, Account ID becomes the value. In other cases, Card ID becomes the value. When Card ID is blank, Job Owner Name becomes the value. If Job Owner Name is blank, "{Model Code_Identification ID}: Fax Line {Number portion of Fax Line}" becomes the value.
Fax ^{*1}	Outgoing Direct Fax	Value is decided according to [User Determination Method]. If the decided User Name is "System" or "Unknown User", "{Model Code_Identification ID}: Fax Line {Number portion of Fax Line}" becomes the value.
Fax ^{*2}	Auto Send Fax Manual Send Fax Auto Send Fax - Remote Folder Fax Relay Broadcast Send Fax Report	Value is decided when [User Name] of job log is set to "Local User", "System" or blank. When [User Determination Method] is set to [By Account ID] and Account ID is not blank, Account ID becomes the value. In other cases, Card ID becomes the value. When Card ID is blank, Job Owner Name becomes the value. If Job Owner Name is blank, "{Model Code_Identification ID}: Fax Line {Number portion of Fax Line}" becomes the value.
Fax ^{*2}	Auto Send Fax Manual Send Fax Auto Send Fax - Remote Folder Fax Relay Broadcast	Value is decided when [User Name] of job log is set to values other than "Local User", "System" or blank. Value is decided according to [User Determination Method]. If the decided User Name is "System" or "Unknown User", "{Model Code_Identification ID}: Fax Line {Number portion of Fax Line}" becomes the value.

*1 This is applied when [MIB Type] of job log is "FX MIB(SOAP)".

*2 This is applied when [MIB Type] is "FX MIB".

Relationship Between Job Log Items and "Output Color" of Accounting Report

"Output Color" of accounting reports is decided from [Service Type] and [Service Details] of job logs by the rules of the following table.

Service Types	Service Details	Value of Job Log Decided for "Output Color" of Accounting Report
Printing	-	Printing Output Color
Printing	Secure Print Private Print Charge Print	Same as above
Printing	Copy Server - Print	Same as above
System Sheet	-	Same as above
Copying	-	Same as above
Scan	-	Original Color
Forward by E-mail	Scan to E-mail Scanner (URL Send)	Same as above
File Transfer	Scan to File Scan to CentreTool Store to USB	Same as above
Printing	Print Stored Faxes Print Stored Internet Faxes Sample Print File for Free Fax Polling Sample Print File for Secure Fax Polling	Printing Output Color
Printing	Print Auto Received Fax Print Manual Received Fax Print Inbound Relay Broadcast Fax Print Inbound Internet Fax	Same as above
Printing	Print Inbound Polling Fax	Same as above
File Transfer	Fax Polling Secure Polling Fax Receive	Normally "B/W"
Forward by E-mail	Send Internet Fax	Original Color
Faxing	Auto Send Fax Manual Send Fax Auto Send Fax - Remote Folder Fax Relay Broadcast Send Fax Report	Normally "B/W"
Faxing	Outgoing Direct Fax	Same as above

Relationship Between Job Log Items and “Paper Type” of Accounting Report

“Transparency” and “Side 2” of accounting reports are decided from the items of the job log by the following rules.

- When the “Paper Type” of the Job Log is “Side 2”, it is determined as Side 2 and when it is “Transparency”, it is determined as OHP.
- When “Transparency” is included in the value of “Select Paper Tray” of the job log, Transparency becomes the value.
- When a tray information file is searched with the value of “Select Paper Tray” of the job log, and a Side 2 tray or transparency tray is registered, Side 2 or Transparency becomes the value.



“Format of Tray Information File” (P.31)

Accounting Report Created from Job Log File of Printer MIB Collection

Only the following items of data can be retrieved from the job log file of the device for which the collection type is [Printer MIB(SNMP)].

- Printer Name
- Branch No.
- MIB Type
- Product Name
- IP Address
- Logging Date
- Log Collection Time
- Total Printed Impressions
- Total Printed Impressions Since Power On

The pages and sheets items of data that cannot be retrieved from the job log file are calculated, or replaced with the default value when an accounting report is created.

Calculation of pages and sheets

When an account report is created, the following calculation is performed for each data row of job log files, and the total additional value of the data rows becomes the output pages and sheets of a device.

“Total Printed Impressions” value in the current row - “Total Printed Impressions” value in the row one above the current row = Additional value

However, a negative value is not included in the total additional value. The additional value is not calculated in the first data row.

Items whose data are replaced or left blank

The items of data that cannot be retrieved from the job log file other than pages and sheets items are processed as follows when an account report is created.

Items of Job Log File	Process When A Report Is Created
Service types	Replaced with “Print”
Printing Output Color	Replaced with “B/W”

Items of Job Log File	Process When A Report Is Created
Printing Size	Replaced with "Unknown"
Paper size	Replaced with "Unknown"
Document Size	Replaced with "Unknown"
Pages per Side	Replaced with "1 Up"
Items other than above	Blank

Customizing Reports

You can create custom files and create accounting by period reports in independent formats. You can create custom files by the following two methods.

- Customizing standard reports
- Creating new reports

Customizing Standard Reports

Customize reports affiliated with the [List Report] group of the [Period] sheet.

1. Create an Excel book ("xls" extension) according to "Custom File Rules".



"Custom File Rules" (P.83)

2. Set the name (ex.: Details per user and per device) of the customized report as the sheet name.
3. Set the created custom file with the [Settings] sheet of Job Log Analyzer.



Operation of [Settings] Sheet→"[Custom File]" (P.24)

4. Restart Job Log Analyzer.
5. Click [Period].
6. Confirm the following statuses.
 - The [Custom Report] group is added to [Report Type], and the name (Ex.: Details per user and per device) of the customized report is displayed within the group.
 - The name (Ex.: Details per user and per device) of the customized report is not displayed in [List Report].

When an error message of Visual Basic® is displayed during operation, see the references of Visual Basic on the homepage of Microsoft Corporation.

Customizing New Reports

Define a new report and add it to the [List Report] group of the [Period] sheet.

1. Create an Excel book ("xls" extension) according to "Custom File Rules".



"Custom File Rules" (P.83)

2. Set the name of the customized new report as the sheet name.
3. Set the created custom file with the [Settings] sheet of Job Log Analyzer.



Operation of [Settings] Sheet→"[Custom File]" (P.24)

4. Restart Job Log Analyzer.
5. Click [Period].
6. Confirm that [Custom Report] group is added to [Report Type], and that the new report is displayed within the group.
When an error message of Visual Basic® is displayed during operation, see the references of Visual Basic on the homepage of Microsoft Corporation.

Custom File Rules

For the content of custom files, the following rules are applied.

Types of custom reports

- When you customize standard reports, set the sheet name as the name of the type of standard report.
- When you customize new reports, set the sheet name as the name of the new report.

Display content

Set from "Display Items" or "Header and Format".

Display items

Customize the items to display in the report by the following rules.

Enter "Display Items" in the cell of the A column.

Enter the items to set as a header in order in the right column of "Display Items".



Display items that can be specified→"Items That Can Be Specified When Customizing Reports" (P.85)

Header and format

Customize the title, header and format of the report by the following rules.

- First row

This is the title row. Set the character size and font of the title.

- Second row

This is the header row. Set the items and format of the header in the order to be displayed rightward from the A column.

- Third row

This is the data row. Set the format such as the ruled lines, font, and background color of the data row of the report.

The format such as the ruled lines, font, and color set for each row is applied to the corresponding rows of the report.

When you set the header and format and then set the title, accounting items, and accounting key, set them from the fourth row.

Accounting Key

Customize the header to use as a key when you create a report by the following rules.

Enter "Accounting Key" in the cell of the A column.

Enter the keys to sort in order in the right column of "Accounting Key".

You also can specify the information added with the setting file or user-independent processing.

Although you can specify multiple items, you cannot specify in duplicate.



Accounting keys that can be specified→"Items That Can Be Specified When Customizing Reports" (P.85)

Accounting Items

Customize the accounting items when you create reports by the following rules.

Enter "Accounting Item" in the cell of the A column.

Enter the items to account as parents in order in the right column of "Accounting Item".

You also can specify information added with the setting file or user-independent processing.

Although you can specify multiple items, you cannot specify in duplicate.



Accounting items that can be specified→"Items That Can Be Specified When Customizing Reports" (P.85)

Title

Customize the title of the report by the following rules.

Enter "Title" in the cell of the A column.

Enter text to serve as the title of the report in the right column of "Title".

Example of custom file

Example of setting the header and format, key item, accounting item, and title

(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)
User Name	Unique Alphanumeric ID	Organization Name	Service types	Full Color Impressions	Full Color Sheets	Black Impressions	Black Sheets
Name	99999	XXX Organization	Printing	2	2	1	1
Key Item	User Name	Service types	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)
Accounting Items	User Name	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)
Title	Custom 1	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)

Since "Key Item", "Accounting Item", and "Title" must be entered in text as they are, they are grayed to categorize them.

The cells in the first row are set blank, and values such as character size, font, and background color are set for the cell format. This cell format is applied to the title of the report.

The text entered in the cells of the second row become the column headers of the report.

The character size and font set for the format of the third row is applied to the data rows of the report. For example, if you set Arial, 10 point for the format of the text of "Name", the user (for example, Taro Fuji) is displayed in Arial, 10 point.

The fourth row specifies the sorting key. In this example, the data row is sorted in the order of the user name and service type.

The fifth row specifies the accounting item. In this example, a subtotal per user name is displayed. The sixth row specifies the title text of the report. In this example, the report title is "Custom 1".

Example of setting the display item, key item, accounting item, and title

Display items	User Name	Unique Alphanumeric ID	Organization Name	Service types	Full Color Impressions	Full Color Sheets	Black Impressions	Black Sheets
Key Item	User Name	Service types	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)
Accounting Items	User Name	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)
Title	Custom 2	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)

Since "Display Items", "Key Item", "Accounting Item", and "Title" must be entered in text as they are, they are grayed to categorize them.

In this example, the format including the character size and font of the report is not set.

The text entered in the cells of the first row become the column headers of the report.

The second row specifies the sorting key. In this example, the data row is sorted in the order of the user name and service type.

The third row specifies the accounting item. In this example, a subtotal per user name is displayed.

The fourth row specifies the title text of the report. In this example, the report title is "Custom 2".

Items That Can Be Specified When Customizing Reports

The following headers can be specified for the display items, accounting key, and accounting item when you customize reports.

Accounting report

Header	Display items	Accounting Key	Accounting Items
Organization Name	☐	☐	☐
User Name	☐	☐	☐
Unique Alphanumeric ID	☐	☐	☐
User	☐	☐	☐
Device ID	☐	☐	☐
Device Name	☐	☐	☐
Service types	☐	☐	☐
Output Color	☐	☐	☐
Size	☐	☐	☐
Impressions	☐	-	☐
Number of sheets	☐	-	☐
Actual paper reduction	☐	-	☐
Possible paper reduction	☐	-	☐
Number of jobs	☐	-	☐
Model Name	☐	☐	☐
AccountID	☐	☐	☐
Cost	☐	-	☐
Black Impressions	☐	-	☐
Full Color Impressions	☐	-	☐
Other Color Impressions	☐	-	☐
Black Sheets	☐	-	☐
Full Color Sheets	☐	-	☐
Other Color Sheets	☐	-	☐

Analysis Report

Header	Display items	Accounting Key	Accounting Items
Organization Name	☐	☐	☐
User Name	☐	☐	☐
Unique Alphanumeric ID	☐	☐	☐
User	☐	☐	☐
Device Name	☐	☐	☐
Service types	☐	☐	☐
Side 2 Sheets(*)	☐	-	☐
Transparencies(*)	☐	-	☐
2 Pages Delivered(*)	☐	-	☐
3 or More Pages Delivered(*)	☐	-	☐
Impressions	☐	-	☐
Impressions(*)	☐	-	☐
Number of sheets	☐	-	☐

Header	Display items	Accounting Key	Accounting Items
Sheets(*)	☐	-	☐
Original Sheets(*)		-	
Actual Paper Reduction(*)	☐	-	☐
2 Sided Delivered(*)	☐	-	☐
Paper Reduction Rate(*)	☐	-	☐
Rate of pages per side	☐	-	☐
2 Sided Rate	☐	-	☐
Number of jobs	☐	-	☐
Output Color	☐	☐	☐
Size	☐	☐	☐
Model Name	☐	☐	☐
Device ID	☐	☐	☐
Paper Type	☐	☐	☐
AccountID	☐	☐	☐
Document type	☐	☐	☐

Adding User-independent Processing

In Job Log Analyzer, a procedure that the user can call is provided. While you are creating a report, you can execute independent processing.

Outline of user-independent processing

By creating a file called "awjla_add_process.xls" programmed with a default function name in a default module, you can execute user-independent processing while creating a report.

The default module is "Module 1".

The following six types of procedures are available.

- modify_account_log
- modify_report_data
- modify_report
- edit_user_info
- edit_fukushacard_info
- modify_user

Process based on the information prior to calling the procedure

Information within the report creation process prior to calling the procedure is set in the "Sheet 1" sheet of "awjla_add_process.xls". You can create independent processes according to the called procedure based on the information set in "Sheet 1".

When the process terminates, the value set in the "Return value" item is browsed and the continuation of the process is decided.

Process based on the information after calling the procedure

When each procedure is called, the information during the creation of the report is saved in the "Sheet 1" sheet of "awjla_add_process.xls". The user can execute independent processing such as book operations and value modifications based on this information.

You also can terminate the report creation process by setting the "Return value" item.

Adding User-independent Processing

1. Create an Excel book with the name of "awjla_add_process.xls" in the "Settings" folder of the user data folder.
2. Select the procedure to use from six types in the "Module 1" module of the "awjla_add_process.xls" file and describe a program.



Refer

How to create a program→Help for Excel

Details of Procedures

This section describes the six types of procedures available for executing independent processing.

modify_account_log procedure

The procedure is called before information from such as user information files and charge information files is added. The following information is set in the "Sheet 1" sheet.

	A	B	C	D	E	F
1	Book name	Sheet name	Report Types	Output report system name	(Blank)	(Blank)
2	Return value	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)
3	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)

Setting 0 or lower as the return value terminates the report creation process.

modify_report_data procedure

The procedure is called after the internal processing-use data sheet on which the report is based is created. The following information is set in the "Sheet 1" sheet.

	A	B	C	D	E	F
1	Book name	Sheet name	Report Types	Output report system name	(Blank)	(Blank)
2	Return value	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)
3	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)

Setting 0 or lower as the return value terminates the report creation process.

modify_report procedure

The procedure is called after the report is created.

The following information is set in the "Sheet 1" sheet.

	A	B	C	D	E	F
1	Book name	Sheet name	Report Types	Period shown in title	(Blank)	(Blank)

	A	B	C	D	E	F
2	Return value	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)
3	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)

Setting 0 or lower as the return value terminates the report creation process.

edit_user_info procedure

The procedure is called when the user information file is imported.

The following information is set in the "Sheet 1" sheet.

	A	B	C	D	E	F
1	Book name	Sheet name	(Blank)	(Blank)	(Blank)	(Blank)
2	Return value	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)
3	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)

Setting 0 or lower as the return value terminates the report creation process.

edit_fukushacard_info procedure

The procedure is called when the user information file is imported, for the purpose of browsing the Card ID item.

The following information is set in the "Sheet 1" sheet.

	A	B	C	D	E	F
1	Book name	Sheet name	Report Types	Period shown in title	(Blank)	(Blank)
2	Return value	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)
3	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)

modify_user procedure

This procedure is called when the user is determined from the log data imported during print history accounting.

The following information is set in the "Sheet 1" sheet.

	A	B	C	D	E	F
1	User before the change	Host name of log data	Job owner name of log data	Card ID of log data	Service type of log data	Account ID of log data
2	Return value	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)
3	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)	(Blank)

Accounting of Job Logs Collected by Software Other Than ApeosWare Management Suite

This section describes the conditions for using Job Log Analyzer to perform accounting for logs collected by software other than ApeosWare Management Suite.

Overview

Job Log Analyzer can perform accounting for logs collected by software other than ApeosWare Management Suite, as the following flow shows.

- Output job log file by following provisions

According to the provisions in “Provisions for Job Log Files That Can Be Accounted with Job Log Analyzer” (P.90), enable the log collection software to output job log files.

- Change the [Log File Folder] of Job Log Analyzer.

Display the [Settings] sheet of Job Log Analyzer, and set at [Log File Folder] the top folder for job logs output by software other than ApeosWare Management Suite.



“Setting the Folder for Log Files” (P.8)

- Perform accounting with Job Log Analyzer

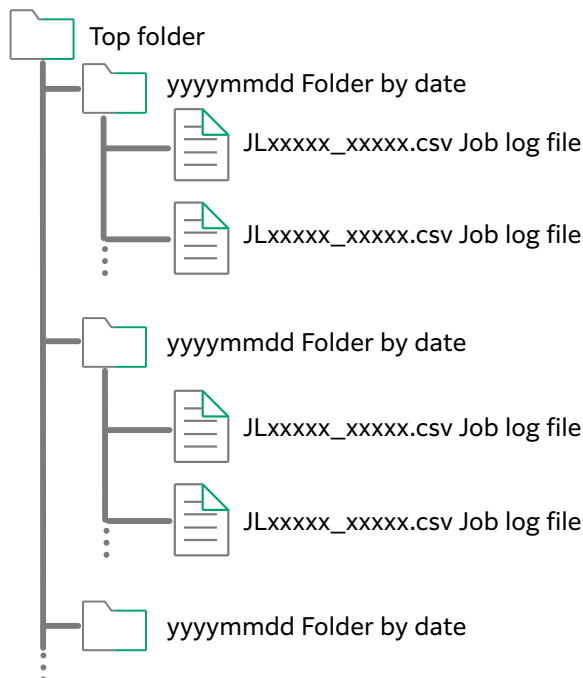
The operations for performing accounting for the job logs are the same as for the case of job logs collected with ApeosWare Management Suite.

Provisions for Job Log Files That Can Be Accounted with Job Log Analyzer

Job Log Analyzer can perform accounting for logs collected by software other than ApeosWare Management Suite, as the following flow shows.

Configuration of folders and files

The job log is saved following the following folder and file configuration.



- The top folder name is arbitrary. Set this top folder to the [Job File Folder] of the [Settings] sheet in Job Log Analyzer.



“Setting the Folder for Log Files” (P.8)

- Create a folder by date within the top folder, and save job logs to the format of one file per device.
- The name of the folder by date takes on the yyyyymmdd (4 digits for the year, 2 digits for the month, and 2 digits for the date) format.
- Use only single-byte names for the job log file.
- Affix "JL" to the front of the job log file name. The file name is a unique character string within 17 characters, including "JL".
- The extension of the job log file is "csv".
- If there is no job log and the folder by date itself is not created, when creating reports with Job Log Analyzer, a "create report even if missing date exists?" confirmation dialog box appears. The displaying of the confirmation dialog box can be avoided by creating empty folders by date, even for dates without job logs.

Format of the job log file

The job log is recorded following the following format.

- The job log file is created in CSV format with comma delimiters.
- Ensure that the header is entered in the first row of the job log file.
- Ensure a count of 86 for the header and items of the job log.
- The job log header attribute name, and values within the file are described in English besides Japanese.
- For the encoding of the job log file, output in a character code that supports the system language of the server OS. The relation between the system locale and the character code is as follows.

System Locale	ANSI Code Page
Japanese	MS932
English	CP1252
Korean	MS949
Traditional Chinese	MS950
Simplified Chinese	GB18030

- When "Size" and "Color" coexist in one job, that job will be expressed over multiple first rows.
- When expressing one job over multiple first rows, match all job IDs in the first rows belonging to that job.
- If the job ID is changed, it will be accounted as another job.
- When expressing one job over multiple first rows, set to the same value for values other than "Size", "Color", "Impressions", and "Sheets".
- For two-sided printing with color mixed in, accounting is performed for the prioritized color.

Descriptor example for the job log file

Printer Name	...	Job ID	Service types	...	Printing Output Color	Printing Size	...	Impressions	...	Number of sheets	...	the Number of Copies	...
P01	Abbreviated	1	Printing	Abbreviated	Black and white	A4	Abbreviated	2	Abbreviated	1	Abbreviated	1	the rest is omitted
P01		2	Printing		Black and white	A4		2		2		2	
P01		2	Printing		Full Color	A4		2		2		2	
P01		3	Printing		Full Color	A3		1		1		1	
P01		3	Printing		Full Color	A4		1		1		1	
P01		4	Printing		Black and white	A4		1		0		1	
P01		4	Printing		Full Color	A4		1		1		1	

- First first row is the header.
- The second row is for logs when 1 set of 2-sided printing is done in A4 paper size, for monochrome single side data.
- The third and fourth rows are for logs when 2 sets are printed in A4 paper size, for monochrome single side and color single side data.
- The fifth and sixth rows are for logs when 1 set is printed for 2-sided Color Print with 1 A4 impression, 1 A3 impression, and other such document files.
- The seventh and eighth rows are for logs when printing in 2-sided and in A4 paper size, for monochrome single side 1 impression and color single side 1 impression data.

Specification for job log items

Each job log item is recorded following the following chart.

- The items with “○” or values recorded are the items used by the service.
- “Blank” items only have their headers recorded and the values are null.
- With services that the user determines according to User Determination Method, by entering the user identification information only into “Job Owner Name”, all settings in “[User Determination Method]” (P.13) for Job Log Analyzer can be handled. Due to this, please do not specify a blank item for the identifier information of other users.

Number	Job Log Header (All Items Require Entry)	Required / Optional/ Blank	Value	Note	Service Type Provided by Device				
					Printing	Copying	Scan	Print Fax	Send Fax
1	Printer Name	Required	1 to 30 bytes Half-width alphanumeric	*1	○	○	○	○	○
2	Branch No.	Blank	Blank	—	—	—	—	—	—
3	MIB Type	Blank	Blank	—	—	—	—	—	—
4	Product Name	Required	1 to 128 bytes Half-width alphanumeric	*1	○	○	○	○	○
5	Job ID	Required	Positive number string Half-width number	*1	○	○	○	○	○

Number	Job Log Header (All Items Require Entry)	Required / Optional/ Blank	Value	Note	Service Type Provided by Device				
					Printing	Copying	Scan	Print Fax	Send Fax
6	Service types	Required	Fixed value	*1	Printing	Copyin g	Scan	Printin g	Faxing
7	Host name	Blank	Blank	—	—	—	—	—	—
8	User name	Blank	Blank	—	—	—	—	—	—
9	Document Name	Optional	0 to 128 bytes	*1	○	○	—	○	—
10	Job owner name	Optional	0 to 128 bytes Half-width alphanumeric	*1	○	○	○	—	○
11	Job Client ID	Blank	Blank	—	—	—	—	—	—
12	Print Status	Blank	Blank	—	—	—	—	—	—
13	Ports	Blank	Blank	—	—	—	—	—	—
14	Data Type	Optional	Fixed value or blank	*1	○	○	—	○	—
15	IP Address	Blank	Blank	—	—	—	—	—	—
16	Output Tray	Blank	Blank	—	—	—	—	—	—
17	Pages per Side	Required	Fixed value	*1	○	○	—	○	—
18	Select Paper Tray	Optional	Fixed value or blank	*1	○	○	—	○	—
19	Logging Date	Blank	Blank	—	—	—	—	—	—
20	Log Collection Time	Blank	Blank	—	—	—	—	—	—
21	Printer Date	Blank	Blank	—	—	—	—	—	—
22	Printer Time	Blank	Blank	—	—	—	—	—	—
23	Print Start Date	Blank	Blank	—	—	—	—	—	—
24	Print Start Time	Blank	Blank	—	—	—	—	—	—
25	Print End Date	Blank	Blank	—	—	—	—	—	—
26	Print End Time	Optional	Fixed value	*1	○	○	○	○	○
27	Total Printed Impressions	Blank	Blank	—	—	—	—	—	—
28	Total Printed Impressions Since Power On	Blank	Blank	—	—	—	—	—	—
29	Error	Blank	Blank	—	—	—	—	—	—
30	Printing Output Color	Required	Fixed value	*1	○	○	—	○	—
31	Printing Size	Required	Fixed value	*1	○	○	—	○	—
32	Impressions	Required	Positive number string 0 to 99999	*1	○	○	—	○	—
33	Paper Type	Optional	Fixed value or blank	*1	○	○	—	○	—
34	Paper size	Blank	Blank	—	—	—	—	—	—
35	Number of sheets	Required	Positive number string 0 to 99999	*1	○	○	—	○	—

Number	Job Log Header (All Items Require Entry)	Required / Optional/ Blank	Value	Note	Service Type Provided by Device				
					Printing	Copying	Scan	Print Fax	Send Fax
36	Job Template Name	Blank	Blank	—	—	—	—	—	—
37	the Number of Copies	Required	Positive number string 0 to 99999	*1	○	○	—	○	—
38	Staple Count	Blank	Blank	—	—	—	—	—	—
39	Original Color	Required	Fixed value	—	—	—	○	—	—
40	Original Impressions	Required	Positive number string 0 to 99999	*1	—	—	○	—	—
41	Original Type	Blank	Blank	—	—	—	—	—	—
42	Document Size	Required	Fixed value	*1	—	—	○	—	—
43	Recipient IP Address	Blank	Blank	—	—	—	—	—	—
44	Folder Number	Blank	Blank	—	—	—	—	—	—
45	Recipient Fax Number	Required	Number string 1 to 128 bytes	*1	—	—	—	—	○
46	Fax Remote Terminal Name	Blank	Blank	—	—	—	—	—	—
47	F code	Blank	Blank	—	—	—	—	—	—
48	Fax Line	Optional	Number string 0 to 128 bytes	*1	—	—	—	○	—
49	Fax Start Date	Blank	Blank	—	—	—	—	—	—
50	Fax Start Time	Blank	Blank	—	—	—	—	—	—
51	Fax Complete Date	Blank	Blank	—	—	—	—	—	—
52	Fax Complete Time	Required	Fixed value	*1	—	—	—	—	○
53	Fax Duration	Required	Positive Number 0 to 86400	*1	—	—	—	—	○
54	Remote ID	Blank	Blank	—	—	—	—	—	—
55	Fax Images Sent	Required	Positive Number 0 to 99999	*1	—	—	—	—	○
56	Fax Image Size	Required	Fixed value	*1	—	—	—	—	○
57	FAX Speed Dial Number	Blank	Blank	—	—	—	—	—	—
58	Service Details	Required	Fixed value	*1	Printing	Copyin g	Scan	Print Auto Receiv ed Fax	Auto Send Fax
59	Related Job ID	Blank	Blank	—	—	—	—	—	—
60	AccountID	Blank	Blank	—	—	—	—	—	—
61	Card No.	Blank	Blank	—	—	—	—	—	—
62	Meter 1	Blank	Blank	—	—	—	—	—	—

Number	Job Log Header (All Items Require Entry)	Required / Optional/ Blank	Value	Note	Service Type Provided by Device				
					Printing	Copying	Scan	Print Fax	Send Fax
63	Meter 2	Blank	Blank	—	—	—	—	—	—
64	Meter 3	Blank	Blank	—	—	—	—	—	—
65	Billing Meter Number	Blank	Blank	—	—	—	—	—	—
66	Recipient Information	Blank	Blank	—	—	—	—	—	—
67	Staple Type	Blank	Blank	—	—	—	—	—	—
68	Fold Type	Blank	Blank	—	—	—	—	—	—
69	Fold Count	Blank	Blank	—	—	—	—	—	—
70	Punch Type	Blank	Blank	—	—	—	—	—	—
71	Punch Count	Blank	Blank	—	—	—	—	—	—
72	Bind Count	Blank	Blank	—	—	—	—	—	—
73	UUID	Blank	Blank	—	—	—	—	—	—
74	Document number	Blank	Blank	—	—	—	—	—	—
75	Cause of Error	Blank	Blank	—	—	—	—	—	—
76	Job Error Code	Blank	Blank	—	—	—	—	—	—
77	Fax Sender ID	Blank	Blank	—	—	—	—	—	—
78	FAX Dial-in Number	Blank	Blank	—	—	—	—	—	—
79	Fax Recipient Information	Blank	Blank	—	—	—	—	—	—
80	Fax Call Type	Blank	Blank	—	—	—	—	—	—
81	Fax Transmission Speed	Blank	Blank	—	—	—	—	—	—
82	Fax Reconnection Flag	Blank	Blank	—	—	—	—	—	—
83	Name in Address Book	Blank	Blank	—	—	—	—	—	—
84	Send Fax Status	Blank	Blank	—	—	—	—	—	—
85	Fax Communication Result	Blank	Blank	—	—	—	—	—	—
86	Stored Fax Pages	Blank	Blank	—	—	—	—	—	—

*1 Record to the "Item Notes" table.

Item Notes

Header item with no notes will not be included in the table.

Number	Job log header	Note
1	Printer Name	Used as the "device name" for the report. Specify an arbitrary value to identify the device.
4	Product Name	Used as the "model name" for the report. Specify an arbitrary value to identify the model.
5	Job ID	Used to distinguish jobs. Use the same ID to manage multi-jobs with mixed color or size. Be sure to change the job ID in the event the job changes into another job. Set to a positive number value as distinction is carried out using numbers.
6	Service types	Used when determining the "service type" for the report. Specify a value corresponding to the service to be accounted.
9	Document Name	Used to distinguish document types. Specify an arbitrary character string to distinguish the document type.
10	Job owner name	Used when determining the "user name" for the report. Specify a character string to distinguish the user.
14	Data Type	Used to distinguish document types. "PDF", "DocuWorks", or blank
17	Pages per Side	Used for report items related to Multiple-up information, and calculations related to reductions. Set to any of the following: "1 Page", "2 Pages", "4 Pages", "8 Pages", or "Others".
18	Select Paper Tray	Used to determine the "Paper Type" for the tray information file. Set to any of the following: "Tray 1", "Tray 2", "Tray 3", "Tray 4", or "blank".
26	Print End Time	Used to determine the period of time for the operation graph. Due to this, it is required only when creating the operation graph report. Set the format of the value to "h:mm:ss". Set to "0:00:00" if the Print Complete Time is unknown.
30	Printing Output Color	Used as the "Output Color" of the report. Specify any of the following: "Full Color", "Black and white", or "Others".
31	Printing Size	Used for the "Size" of the report. Specify any of the following: "Unknown", "A0", "A1", "A2", "A3", "A4", "A5", "A6", "A7", "A8", "A9", "A10", "A11", "A12", "B0", "B1", "B2", "B3", "B4", "B5", "B6", "B7", "B8", "B9", "B10", "B11", "B12", or "Postcard".
32	Impressions	Used as the "Impressions" of the report. Set the total impressions of the actual printed corresponding pattern as the value. For Multiple-up, calculate together as 1 impression. When printing is done on 2 sides, treat it as 2 impressions. Set the total value of all sets when multiple sets are specified.
33	Paper Type	Used when determining the "Paper Type". Specify any of the following: "Plain", "Transparency", "Side 2", or blank.
35	Number of sheets	Used for the "Sheets" of the report. Set the total sheets of the corresponding pattern actually output as the value. Set the total value of all sets when multiple sets are specified.
37	the Number of Copies	Set to the quantity of all output.

Number	Job log header	Note
39	Original Color	Used as the "Output Color" of the report. Specify any of the following: "Full Color", "Black and white", or "Others".
40	Original Impressions	Used for the "Impressions" and "Sheets" of the report. Set the total impressions of the corresponding pattern actually imported as the value.
42	Document Size	Used for the "Size" of the report. Specify any of the following: "Unknown", "A0", "A1", "A2", "A3", "A4", "A5", "A6", "A7", "A8", "A9", "A10", "A11", "A12", "B0", "B1", "B2", "B3", "B4", "B5", "B6", "B7", "B8", "B9", "B10", "B11", "B12", or "Postcard".
45	Recipient Fax Number	Used for the calculation of fax charges. Set the telephone (fax) number of the recipient.
48	Fax Line	Used when determining the "user name" for the report. Specify a number to distinguish the line when fax is sent.
52	Fax Complete Time	Used for the calculation of fax charges. Set the time which fax transmission ends in "h:mm:ss" format. Set as "0:00:00" if the End Time is unknown.
53	Fax Duration	Used for the calculation of fax charges. Set in seconds for the time used to send fax.
55	Fax Images Sent	Used for the "Impressions" and "Sheets" of the report. Set the total impressions of the corresponding pattern actually imported as the value.
56	Fax Image Size	Used for the "Size" of the report. Specify any of the following: "Unknown", "A0", "A1", "A2", "A3", "A4", "A5", "A6", "A7", "A8", "A9", "A10", "A11", "A12", "B0", "B1", "B2", "B3", "B4", "B5", "B6", "B7", "B8", "B9", "B10", "B11", "B12", or "Postcard".
58	Service Details	Used when determining the "service type" for the report. Specify a value corresponding to the service to be accounted.