



Océ Account Center

Readme 2.7.0.0





Océ-Technologies B.V.

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Chapter 1

Introduction



1 Introduction

1.1 About Océ Account Center

Océ Account Center is a software product for tracking and managing reproduction expenses. It consists of two applications: Océ Account Logic and Océ Account Console.

Océ Account Logic validates user access to the scanner (for copying and scan-to-file) by forcing the user to enter accounting parameters. Océ Account Logic also checks incoming print jobs for valid accounting parameters.

Océ Account Logic runs on the Océ Power Logic® Controller of:

- Océ TDS400 2.0 (or higher)
- Océ TDS450 3.0 (or higher)
- Océ TDS600 4.0 (or higher)
- Océ TDS700 1.0 (or higher)
- Océ TDS750 1.0 (or higher)
- Océ TDS800 2.0 (or higher)
- Océ TDS860 1.0 (or higher)
- Océ TCS400 2.2 (or higher)
- Océ TCS500 1.0 (or higher)
- Océ TC4 1.0 (or higher)

The following systems can run without Océ Account Logic:

- Océ ColorWave 550
- Océ ColorWave 600
- Océ ColorWave 600 PP
- Océ ColorWave 650
- Océ ColorWave 650 PP
- Océ ColorWave 300
- Océ PlotWave 300
- Océ PlotWave 350
- Océ PlotWave 750
- Océ PlotWave 900
- all systems supporting the Océ Wave Interface for Accounting

These products have their own Accounting Module that interfaces directly with Océ Account Console.

Océ Account Console is an administrator application installed on a PC in the customer's network. With Océ Account Console the accounting parameters (the fields and their possible values) can be defined. Océ Account Console is

also able to retrieve the log data from Océ Account Logic and from the Accounting Module, and then export it into various formats.

This document describes the major changes between Océ Account Center 1.x and Océ Account Center 2.7.0.0 and provides complementary or late breaking information that may not yet have been included in the user manual, online help or interface document.

1.2 System requirements

This chapter lists the basic system requirements for Océ Account Console and Océ Account Logic. Refer to chapter 4.2, “*Environment*” for additional information.

1.2.1 Microsoft Windows

The Océ Account Console application must be installed on a PC running one of the following versions of Microsoft Windows: Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8, Windows Server 2003, Windows Server 2008, Windows Server 2008 R2 or Windows Server 2012.

Account Console is a 32-bit application, but it can be installed on the 64-bit version of any of the supported operating systems. Windows will automatically run Account Console in 32-bit emulation mode. Account Console provides no specific user interface for the new Windows 8 Start screen. Like on other versions of Windows, Account Console must be installed via the desktop. The installation program will install Account Console as a Windows service, which is started automatically.

1.2.2 Microsoft Internet Explorer

The user interface of Account Console and Account Logic is designed to be viewed with Microsoft Internet Explorer. Versions 6, 7, 8, 9 and 10 of Internet Explorer are supported. In Internet Explorer 10 the compatibility view must be used to display Account Console correctly.

Account Console and Account Logic will not be displayed correctly in web browsers other than Internet Explorer. If you prefer to use another web browser (e.g. Mozilla Firefox or Google Chrome) as your default browser, but Internet Explorer is also installed on your PC, it may be possible to install a plugin/extension in your browser, which can use the rendering engine of Internet Explorer to display specific web pages. This could make it easier to display Account Console and Account Logic correctly, without having to change your web browser manually.

1.2.3 Memory and disk space

Account Logic requires at least 512 MB of RAM and at least 250 MB of free disk space. The amount of disk space needed for the Account Console database will increase when more account data is stored. It is recommended to have 1 GB disk space, or more, available for Account Console.

1.3 Upgrading Océ Account Center

If during setup a previous version of Océ Account Console is detected, the system will automatically use the settings of the previous installation. All data will be imported in the new installation. Note that importing of the data can take some time. During upgrade your data is backed up in the ‘backup’ folder of your installation.

Océ Account Console and Océ Account Logic must be of the same version, therefore check after installation if the version numbers of Océ Account Console and Océ Account Logic are equal. Upgrading Océ Account Logic can be done from within Océ Account Console, as described in the User Manual.

In some situations you may want to be able to revert the situation to the previous version. For example you have a complete integrated solution that may be not compatible with this version.

In that case we strongly suggest following these steps:

- Retrieve all data with your current installation
- Make a backup of all data and store it in a safe location
- Upgrade to this version
- Test your integration

See chapter 4.1, “*Account Console backup/restore and migration*” for more information on how to backup all data.

See also chapter 4.3.13, “*Upgrading Account Console*” and chapter 4.3.14, “*Upgrading Account Logic*” in the Known Issues section.

Chapter 2

What's new



2 What's new

This chapter describes all new or changed features of Océ Account Center since release 1.x.

2.1 Océ Account Center 2.7.0.0

2.1.1 New features

1. Account Console can communicate via the Océ Wave Interface for Accounting with any system that supports that interface. Account Console uses the Wave interface to update the accounting dialog on these systems, and retrieve log data from these systems. The functionality of Account Console itself is similar for all supported systems, regardless of the interface that is used to communicate with the system.
2. Added support for the Océ PlotWave 750.
3. Added CSV export filter version 3, which exports all fields of filter version 2, and several new fields with data from systems supporting the Océ Wave Interface for Accounting. Like the version 1 and 2 filters, CSV filter version 3 can be used to export only standard fields, or standard and extended fields. Refer to paragraph 3.9 and Appendix A (chapter 5) for more details.

2.1.2 Enhancements

No specific enhancements have been made in this release.

2.2 Océ Account Center 2.6.3.1

2.2.1 New features

No new features were added in this release.

2.2.2 Enhancements

1. When Account Logic is displayed on the local user interface of the Océ Power Logic® Controller, the status bar is removed from all (popup) windows. This prevents undesired access to Internet Explorer settings.
2. The log data that Account Console retrieves from an Océ ColorWave 600, 650 or 550 system will contain the values for user ID and account ID as specified in the Océ Job Ticket. This requires at least version 1.6 or 2.3 of the ColorWave system software.

2.3 Océ Account Center 2.6.3

2.3.1 New features

1. Added support for the Océ ColorWave 650 PP.
Note: in the exported accounting logs of the Océ ColorWave 650 and the Océ ColorWave 650 PP different ranges are used for job IDs of print/copy jobs and job IDs of scan jobs. On other systems all job IDs are in one range.
2. Added support for the Océ ColorWave 550.

2.3.2 Enhancements

No enhancements have been made in this release.

2.4 Océ Account Center 2.6.2

2.4.1 New features

1. Added support for the Océ ColorWave 650.
Note: in the exported accounting logs of the Océ ColorWave 650 different ranges are used for job IDs of print/copy jobs and job IDs of scan jobs. On other systems all job IDs are in one range.
2. Added support for the Océ PlotWave 350.
3. Added support for the Océ PlotWave 900.

2.4.2 Enhancements

Several quality improvements have been made in Account Console.

2.5 Océ Account Center 2.6.1

2.5.1 New features

1. Added support for the Océ TDS750.
2. Internet Explorer 9 is supported.

2.5.2 Enhancements

Several quality improvements have been made in Account Console and Account Logic.

2.6 Océ Account Center 2.6.0

2.6.1 New features

1. Added support for the Océ ColorWave 300 and the Océ ColorWave 600 PP.
2. Account Console 2.6.0 can be installed on Windows 7. Refer to chapter 1.2, “*System requirements*” for more details.
3. The last published accounting dialog definition can be saved to an XML file, via a new button in the user interface of Account Console. It is also possible to import a saved dialog definition in Account Console via the user interface.
4. The user manual and the addendum with latest information (this “readme.pdf” document) are available via a shortcut in the Start menu (only on the PC where Account Console is installed), and via a link in the Help dialog, which opens when clicking the [?] button in Account Console.
5. The “Retrieve logdata” and “Update dialog” tasks can now be scheduled to run every minute (was every 5 minutes).

2.6.2 Enhancements

1. The upgrade procedure has been improved, to prevent existing data getting corrupted when upgrading from a “very old version” (2.1.0 or older) to Account Console 2.6.0. Also the “repair” function in the InstallShield setup for Account Console has been improved.
2. The edit page for the values of accounting data fields now shows the complete “path” of parent/dependent fields. This makes it easier to navigate through the field/value structure of multi-level dependent fields with type “list of values”.
3. Account Logic no longer displays the Copy & File tab on a printer only system, nor the Print tab on a scanner only system.
4. If the scanner is in sleep mode when it is unlocked from Account Logic, it will stay unlocked until scanning is started.
5. Various other quality improvements have been made in Account Console and Account Logic.

2.6.3 Notes

On TC4 scanner-only systems with system version newer than 1.0.3 the upgrade of Account Logic from within Account Console always fails. Please contact your local Océ representative when you need to upgrade Account Logic on a TC4 scanner-only system.

2.7 Océ Account Center 2.5.1

2.7.1 New features

Release 2.5.1 replaces release 2.5.0, which added support for the Océ PlotWave 300.

2.7.2 Enhancements

Release 2.5.1 solves two major problems that were detected in the preliminary version of release 2.5.0.

2.7.3 Notes

IMPORTANT: When installing Océ Account Console, it may be necessary to open port 8001 in the firewall of the system where you installed the application.

2.8 Océ Account Center 2.5.0 (not officially released)

2.8.1 New features

Added support for the Océ PlotWave 300.

2.8.2 Enhancements

No enhancements have been made in this release.

2.9 Océ Account Center 2.4.0

2.9.1 New features

No new features have been added.

2.9.2 Enhancements

1. Account Center can now handle longer logging periods on PLC systems. Up to 99 days can be retrieved from a PLC system, if available.
2. Account Center will no longer retrieve the full logging period each time. It will retrieve only new records, that were added since the last retrieve task, from the PLC.
3. Custom Filters now handle the standard accounting fields properly.
4. Account Center can now handle very large dialogs properly.

2.9.3 Notes

The Account Logic link is now case sensitive (only on TDS700 and TC4 currently). This has been done for security reasons. The link is now <http://<hostname>/AccountLogic.html>.

2.10 Océ Account Center 2.3.0

2.10.1 New features

No new features have been added.

2.10.2 Enhancements

1. Restricted the use of spaces in value IDs.
2. Reverted behavior of Optional back to 2.0.1 behavior.

2.11 Océ Account Center 2.2.0

2.11.1 New features

1. Added support for the Océ TC4 Standalone Scanner.
2. SrcArea and OutArea fields are properly calculated for Océ ColorWave 600.

2.11.2 Enhancements

1. Increased default and minimum filename length to 120 (was 63).
2. Account Center now properly filters out Field IDs that start with a numeric symbol. This is not allowed and could cause issues with other applications.
3. Account Center no longer allows value ids starting or ending with spaces, as this could cause problems with other applications.
4. Extended the Consumables interface (TCS500 only) to also display print head and ink tank identification information for TCS500 that support this functionality.

2.12 Océ Account Center 2.1.0

2.12.1 New features

1. Added support for PLC logging version 2.
2. Added 2 new standard filters to support exporting according to the version 2 specification (§3.8).

3. Added support for the Océ ColorWave 600 printer. This printer provides additional fields to the log. They are selectable for custom filters. They can be exported with a custom filter or with the filters (CSV version 2 or XML) supplied.

New (Océ ColorWave 600 -only) fields are:

- ColBlack
- ColCyan
- ColMagenta
- ColYellow
- ColBlackClicks
- ColColorClicks
- JobNr
- PrtJobID
- JobCopies
- OutSet
- JobCompletion

For more information about the new fields see §5.

2.12.2 Enhancements

Extended the log stored from a device with the field “UserName” in the database, which is retrieved from the controller. It is added in the standard XML and CSV version 2 filters and it’s also selectable in the custom filters.

(For a complete overview of the extended Account Center log see §5.)

2.13 Océ Account Center 2.0.5

2.13.1 New features

Support for Korean.

2.13.2 Enhancements

Extended the Consumable information API for the TCS500 (§3.12) with an element describing the ink tank’s initial capacity (e.g. 400 ml).

2.14 Océ Account Center 2.0.4.1

2.14.1 New features

No new features have been added.

2.14.2 Enhancements

Extended the Consumable information API for the TCS500 (§3.12).

2.15 Océ Account Center 2.0.4

2.15.1 New features

1. An ‘auto complete’ feature has been added to dropdown lists (§3.13).
2. Interval scheduling has been added: now it is possible to schedule the execution of tasks every 5 minutes.

2.15.2 Enhancements

6. Improved the Import from CSV functionality by making the behavior of the import like a wizard.
7. Fully localized the Import CSV functionality.
8. The default password of the Administration page in Account Logic is no longer empty, but is now `KeyOp`.

2.16 Océ Account Center 2.0.3

2.16.1 New features

1. You can import values from a comma separated (CSV) file for each field that contains an enumeration of values (§3.10).
2. You can use the functionality of the Inbox again (§3.11).
3. You can query the system about the ink usage of a TCS500 using the new Consumable information API (§3.12).

2.16.2 Enhancements

1. A default password is present in the Océ Account Logic administration dialog. The default password is “KeyOp”.
Note: When upgrading Océ Account Logic, the password that has been used will be retained. When a blank password was used, from now on the “KeyOp” password must be used.
2. The ID of a field may not contain a ‘#’ sign because Print Exec Workgroup will not be able to generate the accounting information correctly. Océ Account Console will not allow to create a field ID using a ‘#’ character. However uploading a dialog with the ‘#’ character is still allowed. Make sure that the uploaded dialog does not contain the ‘#’ sign in the field ID.

3. When no accounting dialog has ever been published in Océ Account Console, a notification is displayed when you try to update the dialog in Océ Account Logic.
4. Each Print Exec Department registration is distinguishable by their hostname that is added to the name of the registration.
5. When no accounting fields are present the scanner can be unlocked using Océ Account Logic.
6. When Print Exec Department unregistered itself in Océ Account Console, the tasks to retrieve the logdata and to update the accounting dialog are removed.

2.17 Océ Account Center 2.0.2

2.17.1 New features

1. You can manage all Océ and non-Océ devices using the integrated solution of Océ Account Center and Print Exec Department (§3.14).

2.17.2 Enhancements

1. The 'Last Published' date is visible without scrolling.
2. If a dialog is created with only optional fields it is possible to unlock the scanner.
3. Several user interface components have been re-translated.
4. Improved robustness of Océ Account Console in case of a sudden shutdown during task execution.

2.18 Océ Account Center 2.0.1

2.18.1 New features

1. Océ Account Logic automatically configures the Océ Power Logic® Controller to enforce accounting (§3.15, §3.16).
2. You can disallow the value “0” to be used as a valid accounting value (§3.17).

2.18.2 Enhancements

1. You can now see how many jobs have been printed for which no value has been filled in within the exported summary (§3.22).
2. Account Console displays the version of Account Logic.
3. Export accounting data per week has been added.
4. Retrieving and processing of log data from the Océ Power Logic® Controller is faster.
5. Exporting log data is faster and shows progress.

6. Switching to the 'devices' tab is instantaneous.
7. New tasks are automatically scheduled daily at 8PM. Previous default was manual.
8. Task status is updated while running.
9. Tasks can be started simultaneously, they will automatically run sequentially.
10. Upgrading from Account Logic 1.2 to 2.0.1 does not need an intermediate step to Account Logic 1.2.1.
11. Several user interface components have been re-translated.
12. Upgrading Account Console on Windows-NT is supported.
13. Accounting data is sorted in the following order: JobUID, CmpId, Dlv (job id, completion id, delivered).

2.19 Océ Account Center 2.0

2.19.1 New features

1. Océ Account Console can only be used when a valid license is activated (§3.18).
2. You can export logdata for a specific machine including specified fields for a given time period. Also the encoding, delimiter and the length/area units can be specified (§3.19, §3.20, §3.21).
3. You can export a summary of all of the accounting data that is present in Océ Account Console (§3.22).
4. You can create independent password fields to both identify and authenticate the user (§3.23).
5. You can enforce users to fill in specific fields every time they send a job (§3.24).
6. You can compress the database to acquire a smaller footprint of the application and ensure the applications integrity (§3.25).

2.19.2 Enhancements

No enhancements have been made in this release.

Chapter 3

What's new (detailed)



3 What's new (detailed)

This chapter presents detailed information about several of the new or changed features listed in chapter 2. The items in this chapter are not grouped per release.

3.1 Support for Océ ColorWave and Océ PlotWave systems

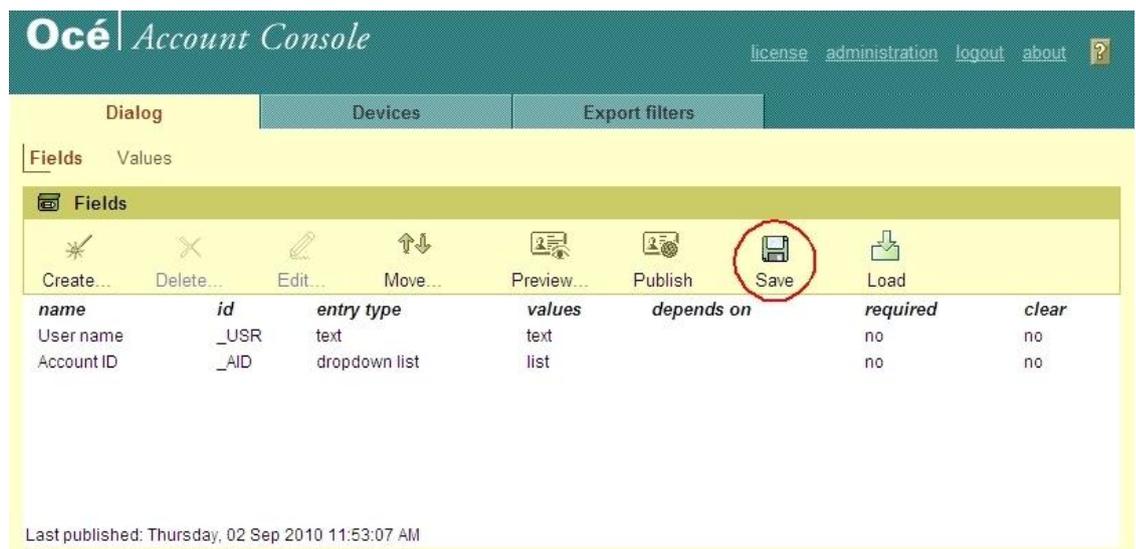
Account Console supports Océ devices with a Océ Power Logic® Controller on which Account Logic is installed, and Océ devices with an Accounting Module which is part of the Océ Express Web Tools.

Supported devices with an Accounting Module are all Océ ColorWave and all Océ PlotWave systems. Those devices do not use Account Logic, therefore the upgrade functionality (for Account Logic) in Account Console is disabled for those devices, and instead of the Account Logic version number the system version number is displayed.

For more information about the Accounting Module please refer to the Express Web Tools and the documentation of the Océ ColorWave and Océ PlotWave systems.

3.2 Save and load accounting dialog definition

The last published accounting dialog definition can be saved to an XML file, by clicking the “Save” button in the user interface of Account Console. This functionality makes it easier to archive an existing dialog definition, or to create a backup of the current dialog.

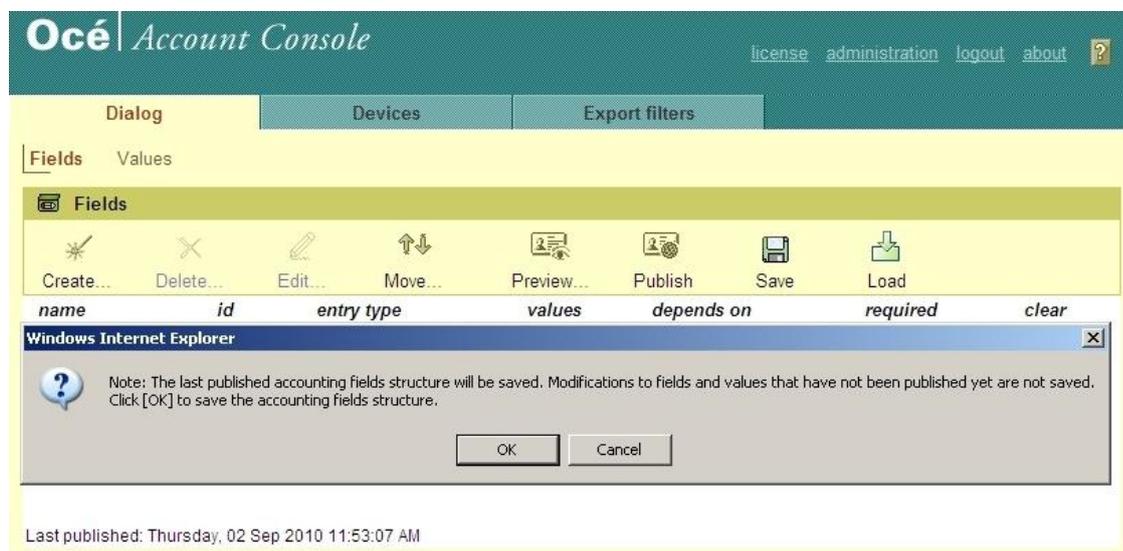


The screenshot shows the Océ Account Console interface. The top navigation bar includes 'license', 'administration', 'logout', and 'about'. The main content area is divided into 'Dialog', 'Devices', and 'Export filters' tabs. Under the 'Dialog' tab, there are 'Fields' and 'Values' sub-tabs. The 'Fields' sub-tab is active, showing a table of fields and a toolbar with icons for 'Create...', 'Delete...', 'Edit...', 'Move...', 'Preview...', 'Publish', 'Save', and 'Load'. The 'Save' button is circled in red. Below the toolbar, a table lists the fields:

name	id	entry type	values	depends on	required	clear
User name	_USR	text	text		no	no
Account ID	_AID	dropdown list	list		no	no

At the bottom of the interface, it says 'Last published: Thursday, 02 Sep 2010 11:53:07 AM'.

First a warning message is displayed, to point out that the last published dialog definition will be saved. If you have made changes to the accounting fields or the field values after the last time that the dialog was published, you may want to publish the dialog before saving it.



Account Console sends the dialog definition as an XML file with as default name "ACDownloadFields.xml". Depending on the settings of your web browser, it will ask you if you want to open or save the file (a new - empty - browser window might be opened when the "File Download" dialog is displayed).



When you choose to open the file, it will be opened with the application that is configured on your system as the default XML viewer/editor, e.g. Internet Explorer or Notepad.exe.

```

ACDownloadFields.xml - Notepad
File Edit Format View Help
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE accountconsole PUBLIC "-//OCE//DTD AccountConsoleFields 2.0"
<accountconsole><fields>
<field id="_USR" required="no" type="text">
<caption>User name</caption>
<metadata type="text"/>
</field>
<field id="_AID" required="no" type="enum">
<caption>Account ID</caption>
<metadata type="enum">
<enumeration>
<enumvalue id="eng">
<caption>Engineering department</caption>
</enumvalue>
<enumvalue id="mrk">
<caption>Marketing department</caption>
</enumvalue>
<enumvalue id="mgt">
<caption>Project management</caption>
</enumvalue>
</enumeration>
</metadata>
</field>
</fields>
</accountconsole>

```

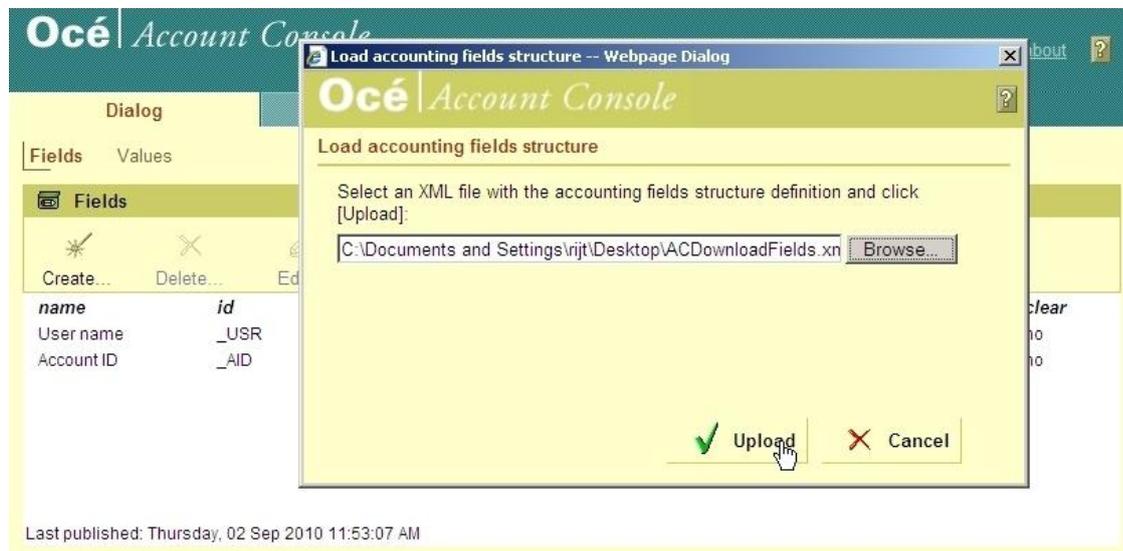
When you choose to save the file, you can store it in any desired location on your PC.

An XML file containing a saved accounting dialog definition, or an XML file that has been generated in another way and complies with the DTD for Account Console Fields, can be imported in Account Console by clicking the “Load” button in the user interface.

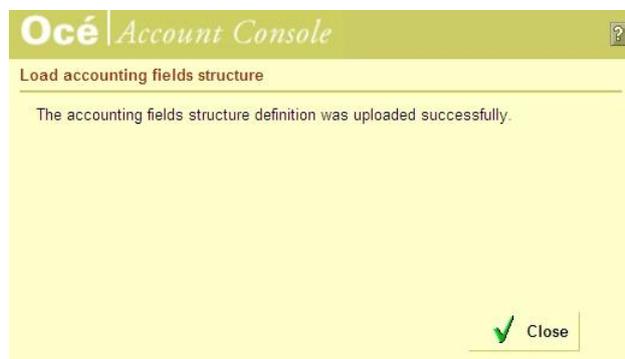


You can select a file containing a saved accounting dialog definition from any location on your PC and click the “Upload” button to import the file. Depending on the size of the XML file, uploading can take some time. Note

that files larger than 50MB can not be uploaded in this way. A dialog definition file which is larger than 50MB can only be uploaded via the appropriate API method.



If the uploaded dialog definition contains no errors the new dialog is published automatically and a confirmation message is displayed. When an error occurs while uploading the file, or the dialog definition is not correct, an error message is displayed and the dialog that is currently in use will not be replaced.



NOTE:

The "Save" and "Load" buttons do not replace the existing API methods for downloading and uploading the accounting dialog. Refer to the interfacing documentation for details about the Account Console API.

3.3 Tasks can be scheduled to run every minute

The "Retrieve logdata" and "Update dialog" tasks can be scheduled to run every minute. In older versions of Account Console the minimum interval for scheduled tasks was 5 minutes.

Note:

Running a task in Account Console can generate large data transfers over the network, depending on the number of connected devices, the amount of log data on each device, and the size of the defined accounting dialog. When many devices are connected to the same instance of Account Console it may be more efficient to specify schedules with larger time intervals.

3.4 AC can handle longer logging periods on PLC systems

PLC systems have been able to log longer periods of up to 99 days for some time. AC could not take advantage of this and only retrieved 7 days. Now AC requests the maximum logging age from the controller and is capable of requesting the full logging from the PLC, if available.

3.5 AC will not retrieve the full logging period every time

Because of the increased logging period it can take longer to retrieve all log data. To compensate AC now retrieves only as many days as are required since the last recorded job date. There is a safety margin of 1 day. This means the minimum number of days the system will retrieve is 2 days (today + 1 day margin).

3.6 Restricted the use of spaces in value IDs

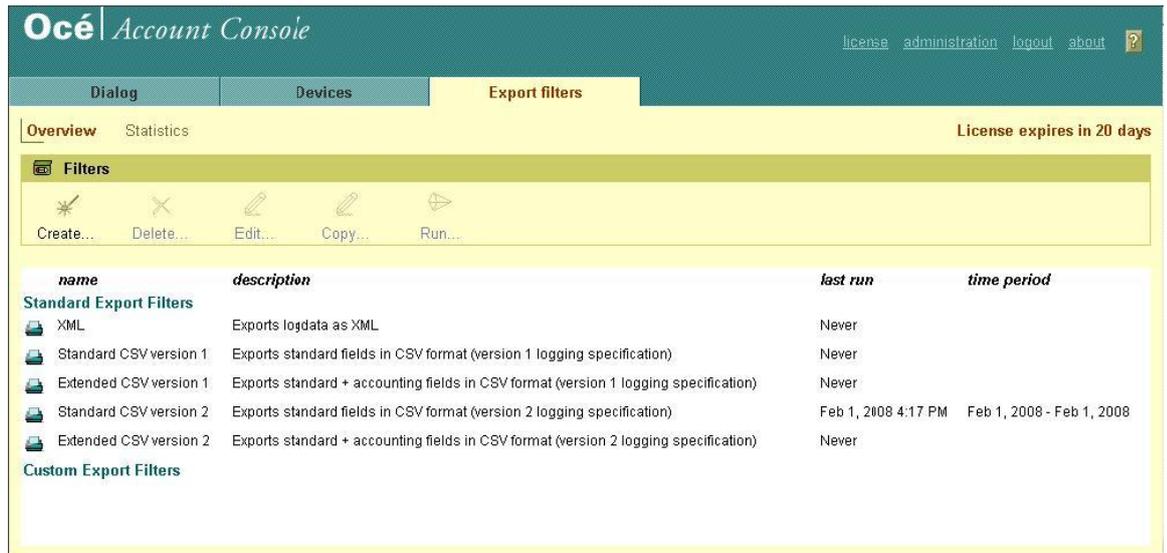
The use of spaces was causing problems when creating dialogs using value IDs with trailing, leading or consecutive spaces. By restricting their use in Account Console it is now no longer possible to create dialogs that cause problems in the drivers or Print Exec Workgroup.

3.7 Reverted behavior of Optional back to 2.0.1 behavior

Starting from AC 2.0.2 Account Logic forced all print jobs to move to the inbox to wait for validation by Account Logic. For some third party applications it is however necessary to send some jobs directly to the print queue. Now it is again possible to change the queue behavior manually from the Settings Editor on the PLC when accounting for print jobs is set to optional.

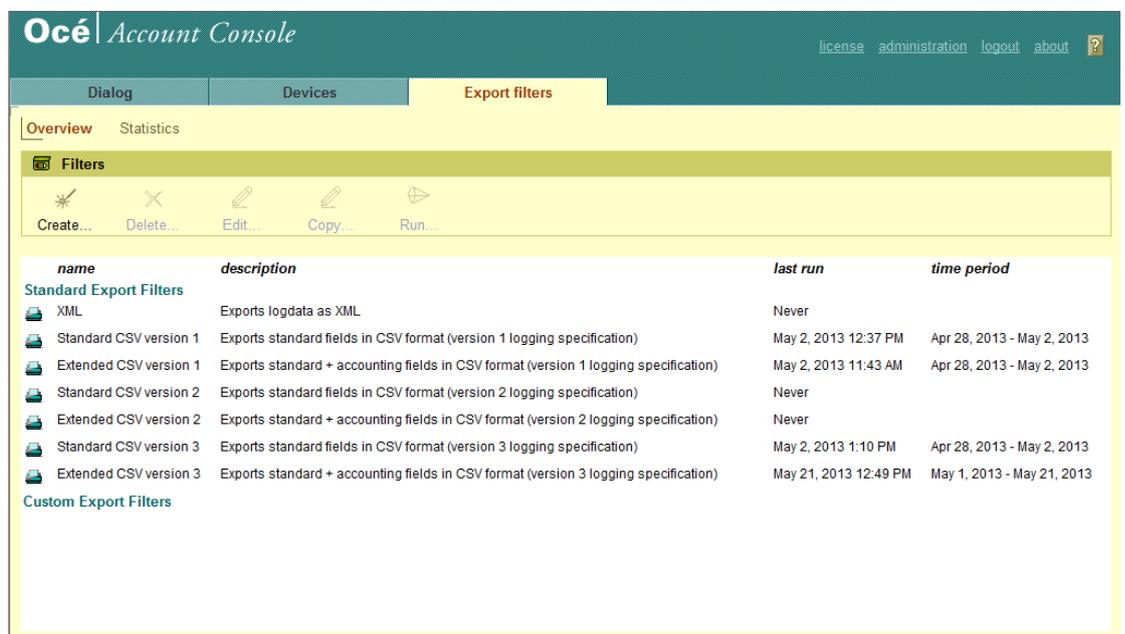
3.8 Added version 2 CSV export filter

You can now export the logging information according to the version 2 of the Océ logging specification. This means that all fields are always included in the CSV logs, regardless of machine type. This allows for easier comparison between different machines. The previous behavior (where some fields were not exported, depending on the machine type) is maintained by using the standard (or extended) version 1 CSV export filters.



3.9 Added version 3 CSV export filter

The Océ Wave Interface for Accounting returns log data according to version 3 of the Océ logging specification. This includes several new log data fields that are not present in version 1 or 2 of the logging specification. To provide an easy way to retrieve all log data from any system, including log data according to version 3, two new standard export filters have been added to Account Console.



The filter “Standard CSV version 3” exports all standard accounting fields according to version 3 of the logging specification. The filter “Extended

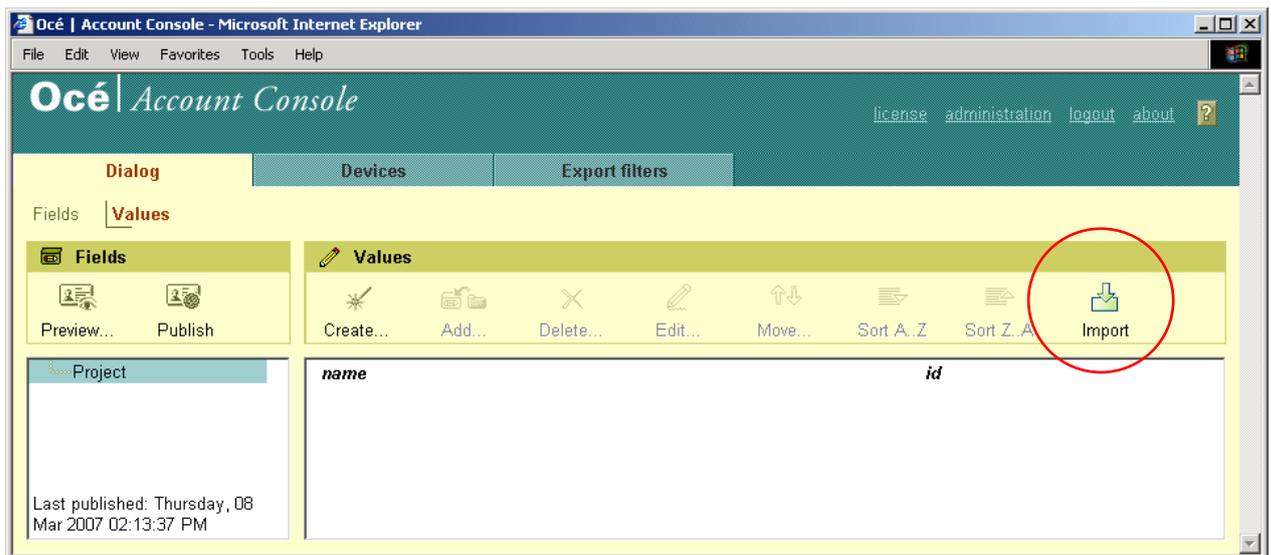
CSV version 3” exports all standard fields, and all fields from the accounting dialog. These filters can be used to export data of any system; fields that are not supported by the system are left empty in the exported CSV log. A detailed overview of all standard fields as returned by the different CSV export filters is available in Appendix A (chapter 5).

3.10 Import values from a CSV file

When a field contains a list of values, the values can now be imported from a comma separated (CSV) file. The file from which the values must be imported can be available in several encodings and the delimiter can be a ‘tab’, ‘comma’ or ‘semicolon’. When importing values from this CSV file, the ID and Caption must be filled in for all records. Empty values are only accepted when both the ID and the Name are empty. Also no duplicate IDs may be present.

Note: importing values is not supported for fields, containing a list of values, that depend on another field.

Follow the example below to import values for the field “Project”:

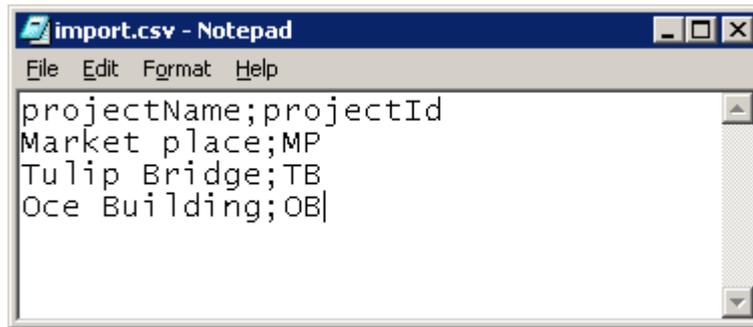


Click Import to import values from a CSV file.

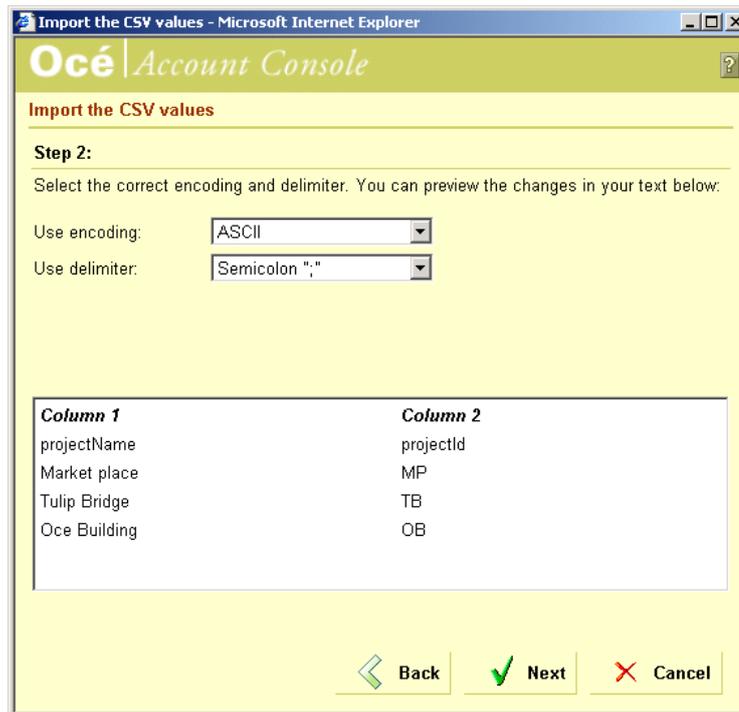
Select the Project field. Now the “Import” button is active. Click the “Import” button and follow the steps of the wizard.



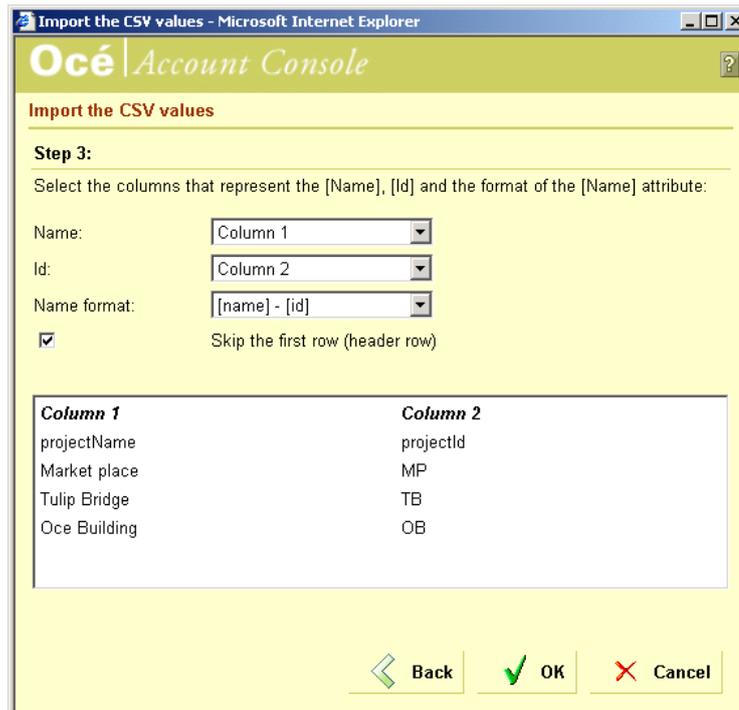
Browse to select the CSV file that you want to import.



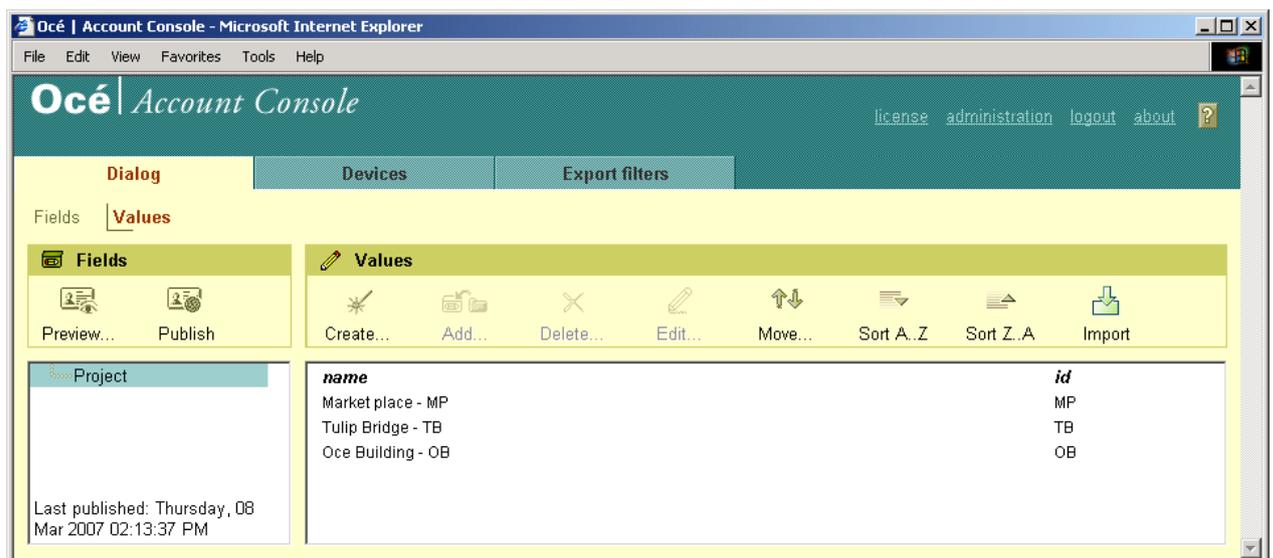
Example of a valid CSV file.



Select the encoding and delimiter to use. A preview of the contents is displayed.



Select which fields specify the name and the id. If the first row is a header row, tick the corresponding box.

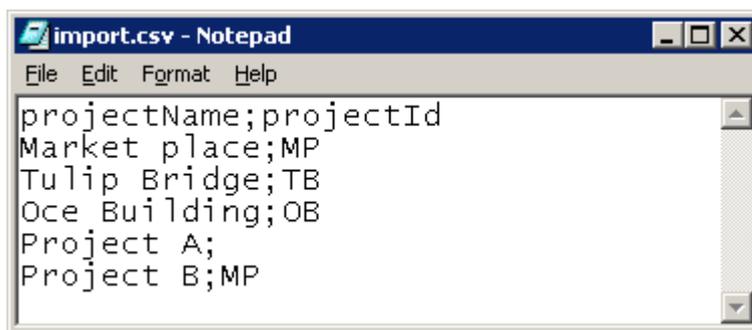


The values are successfully imported in Océ Account Console.

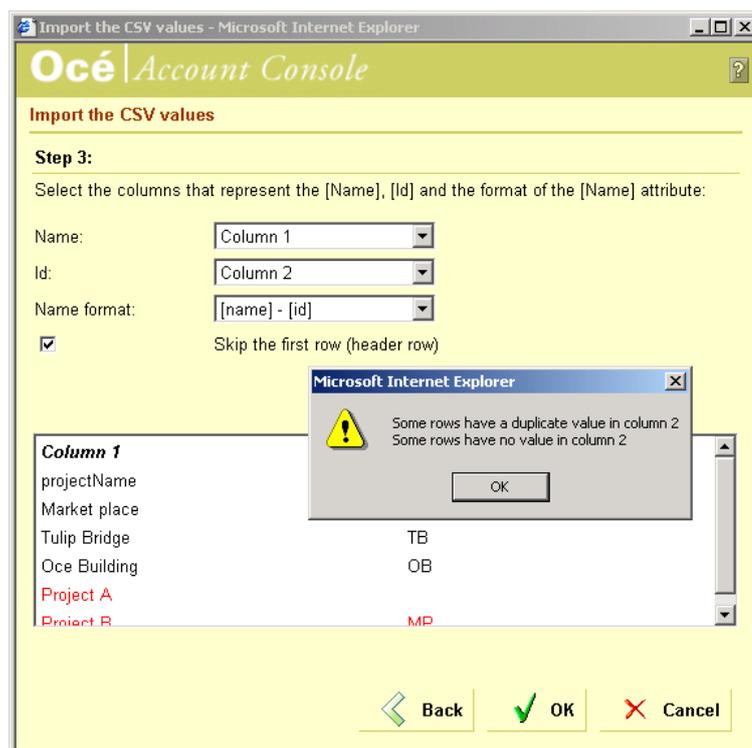
When the values in the CSV file are accepted, then the values are imported into Océ Account Console.

In the following example the values can not be imported, because:

- There is an empty value for a project id.
- A duplicate value is present.



This CSV file contains a set of values that can not be imported.



Océ Account Console notifies you about the incorrect values.

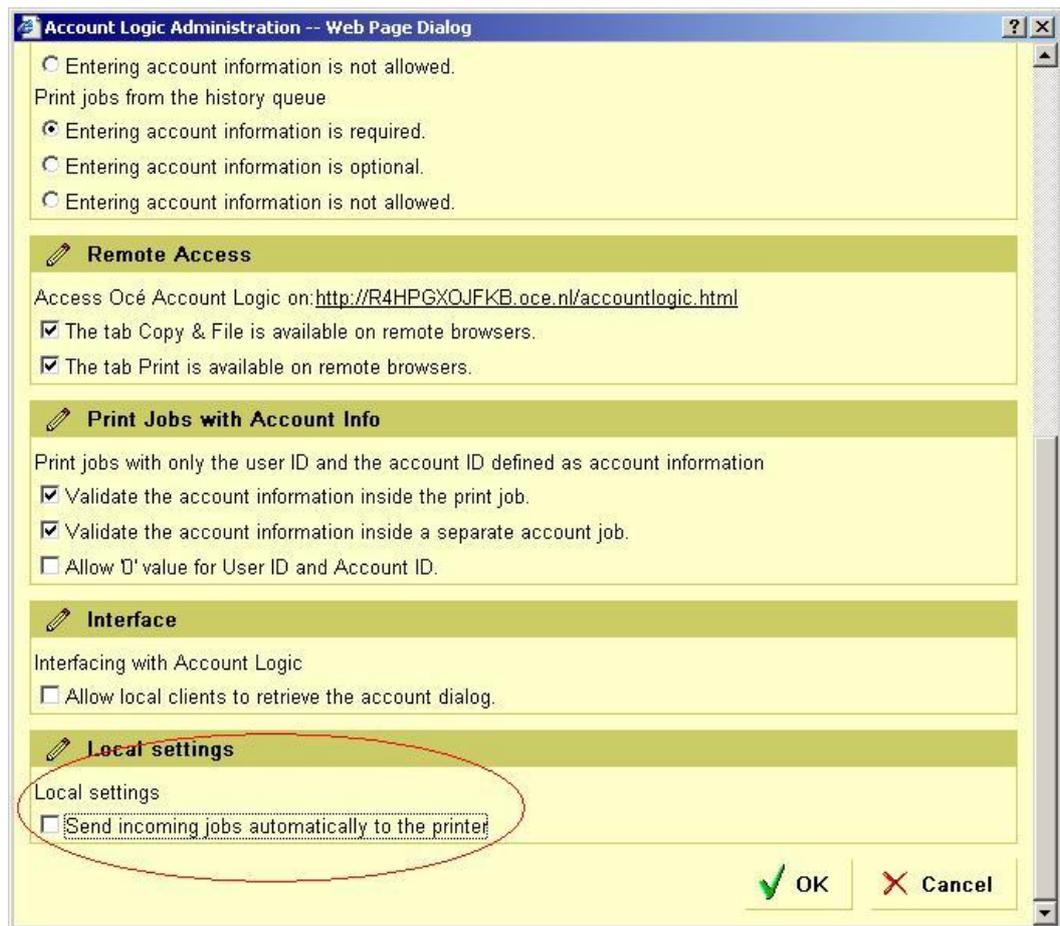
Correct the CSV file and try to import it again.

3.11 Restore Inbox functionality

In Océ Account Logic a new queue has been added called “Inbox – ready to print”. In this queue all jobs are present for which Océ Account Logic has stored the accounting information. From this queue you can print the jobs using your password. The clients that use Océ Account Logic can see this queue, but they will not be able to print the jobs because they do not know the password.

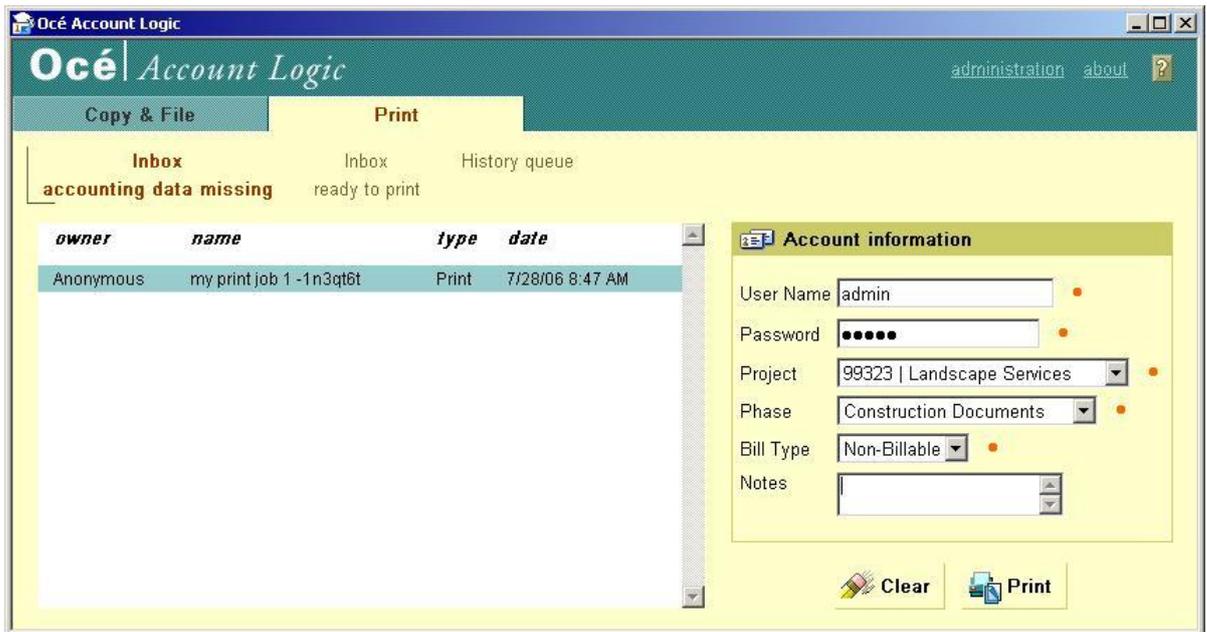
See the following screenshots and description on how to use the “Inbox – ready to print” queue.

1. Click the Administration-hyperlink to display the administrative settings.



A new setting has been added to Océ Account Logic to enable/disable the "Inbox – ready to print" queue.

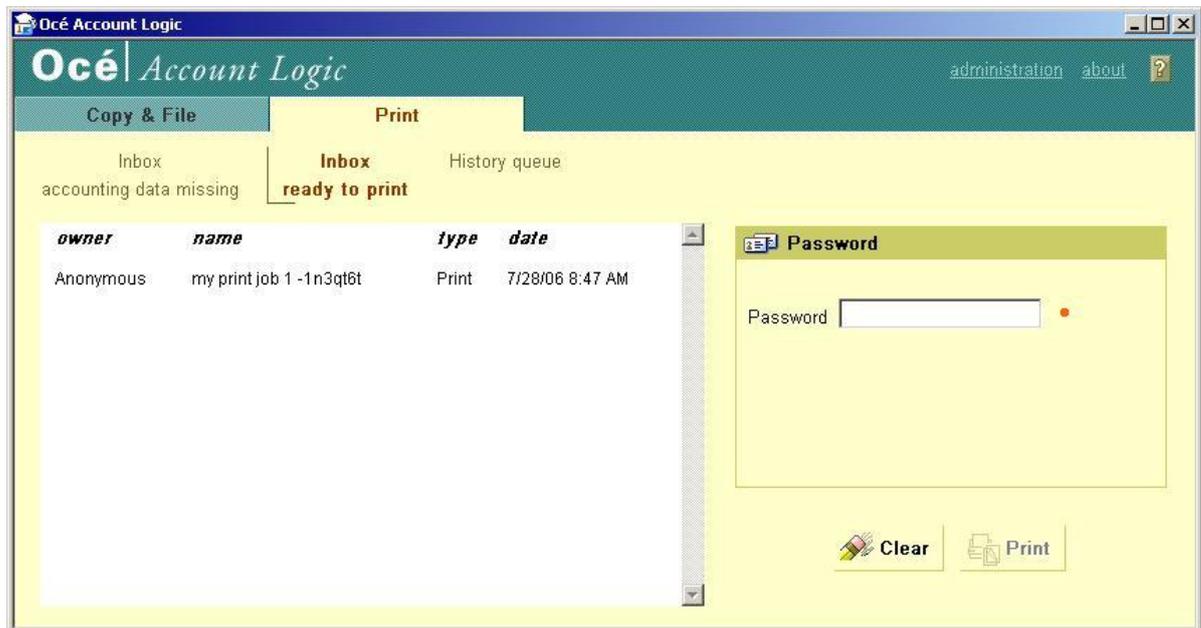
2. Deselect the “Send incoming jobs automatically to the printer” to enable the “Inbox – ready to print” queue.



Jobs without accounting information are received in the “Inbox – accounting data missing” queue.

3. Jobs that are received without accounting information are placed in the “Inbox – accounting data missing” queue. From here you can select the jobs, fill in the accounting information and select Print.

- Now the jobs are not printed directly, but they are moved towards the “Inbox – ready to print” queue. Also jobs that are received with valid accounting information are moved towards this queue.



The job is now present in the “Inbox – ready to print” queue.

- You can select the jobs in the “Inbox – ready to print” queue, fill in your password and print the selected jobs.
Note: the password that must be filled in is the same as the password used to access the administrative settings.

3.12 Consumable information API (TCS500 and ColorWave 300 only)

In Account Logic an API is added that provides consumable information for the Océ TCS500 and the Océ ColorWave 300. This API returns a well-formed and validated XML document containing information on the consumables of the printer: ink, print heads, maintenance cassette and amount of total media printed.

It also includes printer identification information like serial number, hostname, IP address, location, firmware versions, and more.

The URL to retrieve the full information is:

`http://<hostname>/servlet/ALGetResourceCounters?identification=1`

The URL of the XML Schema describing the structure is:

`http://<hostname>/apps/AL/ALGetResourceCounters.xsd`

This API is only available for the TCS500 and the ColorWave 300. For all other machines an empty well-formed XML document will be returned.

Notes:

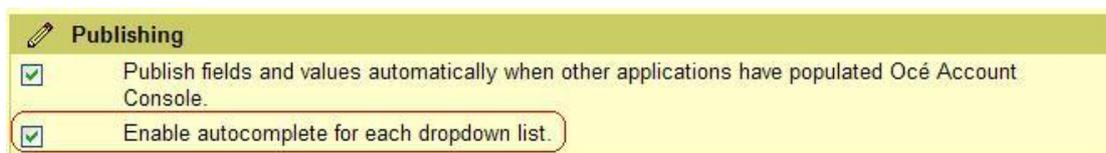
- The XML-element denoting the initial ink tank capacity is introduced in Account Logic 2.0.5 and requires TCS500 version 1.3.2 or higher (or ColorWave 300). When running Account Logic 2.0.5 on previous versions of TCS500, this XML-element will not be present.
- In TCS500 release 1.4.0 (and ColorWave 300) the existing API call has been extended to also return a unique identification for the ink tanks and print heads. It also adds a field to denote the presence (or absence) of ink tanks. Previous versions of TCS500 will still return the other fields, but will not have this additional identification field.

For more information see the most recent version of the “Océ Account Center - Interfacing” document. Contact your Océ representative for this document.

3.13 Auto complete dropdown lists

If you have a large list of values for a certain accounting field, you can now start to type the value and the cursor will jump to the first matching entry in the list. This entry will be automatically selected when leaving the input field. You can also open the list and scroll up and down using the mouse or cursor keys to select the entry you need.

As you might not need this feature if you are using short lists, the new feature is an option, which you have to enable on the administration page of Océ Account Console:



Next Océ Account Logic needs to be informed to use this new feature as well. This implies that you have to publish the dialog again (and run the update dialog task for each device if you have disabled the auto update feature for devices).

You will get a notification if you enable the feature:



You will get a similar notification if you disable the feature again.

While typing it is useful to get feedback about what you type and to make it possible to correct this. To achieve this the user interface of the Preview function in Océ Account Console and the user interface of Océ Account Logic for entering accounting fields had to be changed. An additional small box above the accounting field is used:



While typing you can use the ESC key to erase all entered characters. You can also use the backspace key to erase one character and you can use the left and front arrow keys to change the cursor position.

While typing you can use the TAB key to jump to the list and open the list to select an entry from the list. You can use tab again to jump to the next field. In the latter case you select the entry displayed for the field.

When selecting the value for a field that has dependent fields, the screen will be refreshed. This can take some time when there are a large number of values defined because the application has to collect the valid values for the next field. This is similar in 2.0.3 and older versions.

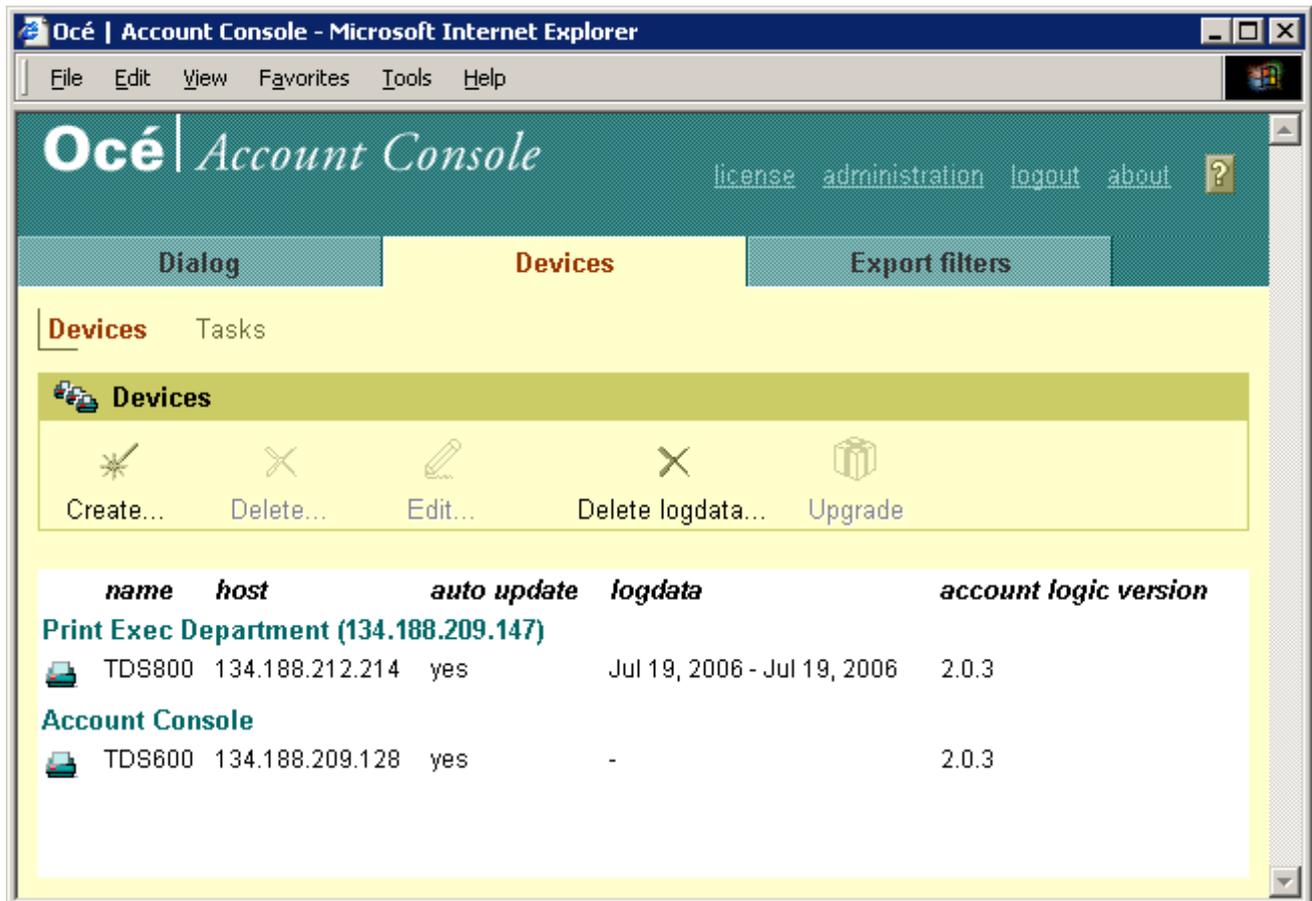
Notes:

- When you are using Océ Account Logic remotely, then Microsoft Internet Explorer very often jumps to the address line when you are using the TAB key. In this case it is easier to use the mouse to select the field you want to use.
- You cannot use the ENTER key to make a selection.
- With Océ Account Console or Océ Account Logic remote:
When opening the list, Microsoft Internet Explorer shows different results on Microsoft Windows 2000 Professional compared to Microsoft Windows XP platforms:
 - on Microsoft Windows 2000 ten values of the list are displayed and the list opens downwards.
 - on Microsoft Windows XP 30 values (if available) are displayed and the list opens upwards and downwards.

This is native Microsoft Internet Explorer behavior.

3.14 Print Exec Department

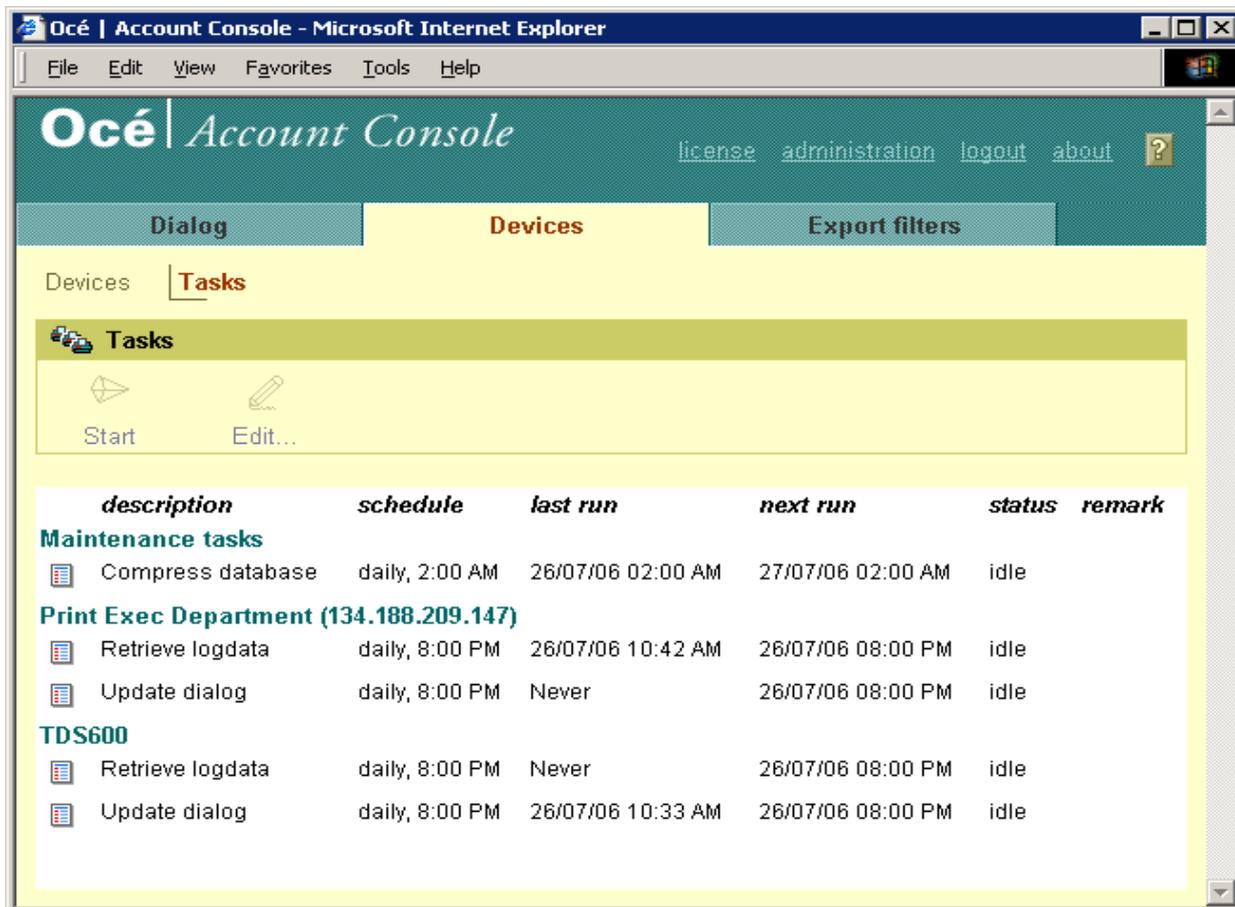
Account Console supports integration with Print Exec Department. After configuration in Print Exec Department, devices added or removed in Print Exec Department are automatically synchronized with Account Console. Devices managed by Print Exec department will show in the user interface under the Print Exec Department group.



Devices not equipped with Account Logic are supported as generic devices in Account Console. They do not have a host name nor an Account Logic version in the devices overview.

When an accounting dialog is published, Print Exec Department is notified and will retrieve the dialog from Account Console. Account Console updates the dialogs of the devices with Account Logic. If a new device running Account Logic is added to Print Exec Department, the dialog must be updated manually by either running the 'Update dialog' task for Print Exec Department or republishing the dialog in Account Console or by retrieving the dialog in Account Logic.

The retrieve log data and update dialog tasks can be accessed from the tasks screen, just like devices registered directly in Account Console. When you execute a task for Print Exec Department, this task is executed for all devices managed by Print Exec Department. It is not possible to start the task for a single device.



Integration with Print Exec Department has some consequences for the log file that is exported using Account Console. The following fields from the Océ Power Logic® Controller are overwritten using the fields of Print Exec Department.

Field	Remark
UserID	User ID of the submitter of the job
ChnType	Protocol used for job submission
Rcv	Date when the source page was received
JobID	Name of the job
PrcType	Type of processing that was done
JobSrc	Host name or IP address of the source of the job

The role of Océ Account Logic in cooperation with Print Exec Department is to enable/disable access to the scanner, and Account Logic will activate

any job sent by Print Exec Department. Print Exec Department will make sure that every job submitted has valid accounting information.

Generic devices are exported as an additional device type with record type 6000. This means that the fields ContMod, QualMod and ColMod are added to the exported log file. Your application which processes the log data may require an update. Please check with your solution provider.

The following restrictions apply to the logged data of generic devices¹:

Field	Remark
MachId	Name of the device as known by Account Console at time of retrieval
Mirror	Always empty
ChannelType	Always LP
FileType	Always empty
FileCmpr	Always empty
FileSz	Always empty
FileDst	Always empty

3.15 Automatic Account Logic configuration

The first time Account Logic is started after it has become licensed, Account Logic will change the following settings:

- Copy jobs and Scan-to-file jobs
 - Entering account information is required
 - The scanner always locks when switched on
 - The scanner locks when the scanner panel timeout expires
- Print jobs from the inbox
 - Entering account information is required
- Print jobs from the history queue
 - Entering account information is required
- Print jobs with Account Info
 - Validate the account information inside the print job
 - Validate the account information inside a separate account job
 - Do not allow '0' value for User ID and Account ID
- Interface
 - Allow local clients to retrieve the account dialog

Note that if you are upgrading Account Logic and you have already licensed Account Logic the application will use the settings as you have configured. They will not be changed to the above mentioned defaults.

¹May depend on the version of Print Exec Department

3.16 Automatic PLC configuration

If Account Logic is configured to require accounting information for jobs from the inbox, the configuration of the Settings Editor will be automatically changed. The settings changed are: “Print Job” to “Jobs in Inbox” and “Rights for printing” to “Special user”. If these settings are changed in the Settings Editor they are forced back to the above-described values.

3.17 Blocking “0” values

If no custom dialog is created, the default dialog uses Account Id and User Id as free text fields. If jobs are submitted the values of these fields default to “0”. In this situation a job submitter that would send a separate accounting job would see its accounting job get printed.

Account Logic can be configured to consider “0” values as invalid values, thereby stopping these jobs. Note that then using “0” as legitimate values will still block these jobs.

3.18 Licensing

Océ Account Console requires a valid license. This license must be obtained from your local Océ representative within thirty days after installation. You need the host-id of the computer on which Account Console is installed. Read the User Manual for more information.

When Océ Account Console is installed on a server using the Remote Desktop Connection, please reboot the server before activating the license using a remote Internet Explorer browser. Or you can activate the license using a local Internet Explorer browser without rebooting the server. Should you still have troubles activating the license please contact your Océ representative.

3.19 Export Filters

The user interface for exporting log data has been revised. It is now possible to make a selection of the fields to be exported and define the time period of exporting.

Areas and length units are automatically converted to the unit selected in the administration window. It is possible to choose from points, millimeters, centimeters, meters, inches and feet. After installation, points are the default unit, the same as the Océ Power Logic® Controller uses internally. Read the User Manual for more information.

Print Exec Department generates banner pages that are stored with process type (PrcType) HEADER in the log data. This value HEADER is not documented in the existing documentation.

3.20 Encoding

An encoding is a set of characters that have been mapped to numeric values that can be used by computer programs. Historically different encoding has been in use, most targeting on different geographical areas. The end-application needs to understand and know about your encoding in order to display the right characters.

The ASCII and ISO encoding do not cover all possible characters. If a character displayed cannot be encoded in that character set a question mark (?) is substituted, UTF encoding support all characters and can be used for all countries and languages supported by the Unicode consortium. For more information check the Unicode consortium's homepage at <http://www.unicode.org>.

You can select one of the following encodings for the output of Account Console:

- ASCII: Unaccented characters only
- ISO-8859-1: Western European
- ISO-8859-2: Central European
- ISO-8859-4: North European
- ISO-8859-5: Cyrillic
- UTF-8: Stores characters in 1-3 bytes. Unaccented characters (ASCII) are always in a single byte, accented characters and non-Western characters use two or more bytes.
- UTF-16: 2-byte characters with byte order marker
- UTF-16BE: 2-byte characters in big endian byte order
- UTF-16LE: 2-byte character is little endian byte order

Little endian and big endian byte order define how a sequence of bytes is represented. In big-endian the most-significant value is stored first, in little-endian the least significant value of the sequence is stored first. If no byte order marker is present the application that is processing the data needs to know up front what the byte order is, however some applications expect a specific byte order and interpret the byte order marker as a character.

When text values in the output of Account Console are not represented as expected in another application, it might indicate that your application does not interpret the character encoding correctly. E.g. when "Oc  " appears as "Oc   ", an application interprets a UTF-8 encoded character sequence as if it were encoded according to ISO-8859-1. Changing the encoding used by Account Console to ISO-8859-1 will in this case result in a correct representation. In order to find out which encoding is most suitable for use

with your application, try multiple encodings in Account Console and check the result.

3.21 Length and Area Units

When exporting, via user interface or API, length and area columns are expressed in the units chosen in the administration window. Océ Account Console supports the following units:

- Point (1/72 inch), default unit as used by Océ Power Logic® Controller
- Millimeters
- Centimeters
- Meters
- Inch
- Feet

3.22 Statistics

A new feature ‘Statistics’ has been added to the Export Filter tab. This feature is not yet documented in the manual of Océ Account Console. Using this feature it is possible to get a summary of all the data in Océ Account Console.

This data, written as comma separated values, can be imported in other applications, such as a spreadsheet, in order to be processed further.

A Statistics Export is made around a single field that can be selected when the Statistics Export is created or edited. The area units that are configured in the administration window are used as calculation units.

The information in Statistics Export contains the following information, formatted as a spreadsheet:

Time period	Number of jobs	Output type	Number of pages
Jan 1, 2005 - Jul 1, 2005			
Tower Bridge	39	print	5.32
		copy	6.32
		scan	7.12
<unknown>	2	print	2.12
		copy	4.12
		scan	0.00
Total PRJ	1		

In this example PRJ ('project') is selected. For each project the number of jobs is shown. Also the total number of different projects is indicated (in this case, 1 project exists). The total area for each project and for each type of output is given in square feet, square meters or what was selected in the configuration. The last column contains the total number of prints, copies or scans for each project.

The row identified by <unknown> includes those jobs that could not be accounted to the selected field.

3.23 Independent Password field (PIN Code)

Password fields can be created independently as a top-level field. This can be used to create for example PIN code fields, fields that both identify and authenticate users. Note that if the value of the field is to be used the id should not be _PWD as this field is treated as a special name, not to be logged by Account Logic.

The Océ Windows Printer Driver 1.10 and Océ Print Exec Workgroup 1.3.3 support this feature.

3.24 Clear Values

Fields have an extra option 'Clear field after submission'. This field can be used to configure centrally if job submitters should clear the value after a job has been sent, thereby forcing users to reenter this field in the accounting dialog each time.

The Océ Windows Printer Driver 1.10 and Océ Print Exec Workgroup 1.3.3 support this feature.

3.25 Compress database

A new task is created that allows you to compress the database, giving the operating system the opportunity to reclaim unused disk space. After installation it is by default scheduled to run every day at 2 o'clock in the morning. Note that this task requires exclusive access to the database.

Chapter 4

Attention Points



4 Attention Points

4.1 Account Console backup/restore and migration

This chapter provides information on Account Console:

- How to backup and restore data (§ 4.1.1)
- How to move Account Console to another PC (§ 4.1.2)

4.1.1 Backup and restore

Account Console stores all the data (configuration and retrieved information from the devices) in a database locally on the PC running Account Console. To save this information it is important to make a backup of this data at regular times.

To make a backup, execute the following steps:

1. Log out from Account Console.
2. Stop the Windows service "AccountConsole".
3. Copy the directory '<install directory>\apps\AC\data' to the backup destination.
4. Copy the directory '<install directory>\apps\AC\store' to the backup destination.
5. Copy the file '<install directory>\apps\AC\config\accountconsole.xml' to the backup destination.
6. Start the service "AccountConsole" again.

If you need to restore the backup, execute the following steps:

1. Stop the Windows service "AccountConsole".
2. Delete the directories '<install directory>\apps\AC\data' and '<install directory>\apps\AC\store'.
3. Delete the file '<install directory>\apps\AC\config\accountconsole.xml'.
4. Copy the 'data' and 'store' directory from the backup destination to '<install directory>\apps\AC'.
5. Copy the file 'accountconsole.xml' from the backup destination to '<install directory>\apps\AC\config'.
6. Start the service "AccountConsole" again.

This backup/restore process reduces the risk that accounting data or settings are lost when errors occur (such as switching off the system while the database is being processed).

4.1.2 Moving Account Console to another PC

If Account Console needs to be installed on another PC you have to execute the following steps:

1. Install Account Console on the new PC.
2. Contact your local Océ representative and tell that you have to move Account Console to a different PC and that you need a license for this new PC. You have to supply the host id of this new PC. This host id is displayed if you click on the license link in Account Console.

After you have received the new license, you can move the data from the old PC to the new PC, with the backup/restore procedure of the previous chapter:

1. Execute the backup procedure on the old PC.
2. Execute the restore procedure on the new PC.
3. Activate the new license on the new PC.

4.2 Environment

4.2.1 Firewall configuration

Account Console accepts incoming TCP/IP connections on port 8001. Internet Explorer and Account Logic use this port to connect to the Account Console server. This port needs to be manually configured in the firewall between Account Console, the browsers and Account Logic. The installation script will automatically add a rule to open this port on the local Windows firewall. Other firewall applications, or firewalls that are added later to the system, must be configured manually.

For communication with Account Logic from Account Console port 80 is used for outgoing connections. This is the default port for the HTTP protocol, used by nearly all web sites. The firewall between Account Console and Account Logic must allow communication to Account Logic over this port. As this is the default configuration of most firewalls no actions are taken in the installation to enforce this.

4.2.2 Pop-ups

Both Account Logic and Account Console use pop-up windows in the user interface. When pop-up blocking software is used in Internet Explorer these pop-ups may not become visible. Refer to the manual of your blocking software to disable it or add a configuration that allows Account Center to use pop-ups.

4.2.3 Temporary internet files

The "check for newer versions of stored pages" setting within the Temporary Internet Files settings of Microsoft Internet Explorer must be set to "every visit to the page". This ensures that the correct information is displayed in Océ Account Center.

4.2.4 Backward compatibility

Océ Account Center is not backward compatible. Océ Account Console and Océ Account Logic must be at the same release level. See section 1.3 "Upgrading Océ Account Center" for information about upgrading Account Logic.

After upgrading Account Console is able to retrieve data that is retained from previous installations.

4.3 Known issues

4.3.1 Changing language on PLC

If the primary language is changed on the PLC, all browsers displaying Océ Account Logic will be automatically redisplayed in the new primary language. Some screens, such as the help or the screens indicating Océ Account Logic is not in use, will not automatically redisplay.

In order to display these screens in the correct language it is enough to close and re-open the browser's window. When no changes appear, the Internet Explorer's cache must be cleared.

4.3.2 Extended fields in 'Edit Filter' dialog

The order of the extended fields is not always consistent; they may be displayed at start or at the end of the list.

4.3.3 Scanner locks on power-on

In case Account Logic has been configured to lock the scanner on panel time-out, the scanner will always be locked if the scanner is powered on after the PLC has been started. Use the normal procedure to unlock the scanner.

4.3.4 Specifying invalid name in API function ‘ACLlistLog’

Clients using the API function ‘ACLlistLog’ should be aware that they should not follow the HTTP redirection response returned by Account Console if they specify a non-existing hostname. The redirection will lead to the same redirection, therefore generating an infinite loop between client and server.

4.3.5 Specifying invalid parameter values in API function ‘ACDownloadLog’

Clients using the API function ‘ACDownloadLog’ and its related functions should be aware when a non-supported parameter value is supplied Océ Account Console will neither return a result nor an error.

4.3.6 Internet Explorer

Océ Account Center is optimized for small fonts, normal sizes (96 dpi). When larger fonts are used information may be clipped and you have to resize the windows manually.

4.3.7 Installation path length

The path to the folder in which Account Center is installed should not exceed 40 characters, including path separators. The Account Console service cannot start correctly if more characters are used.

4.3.8 Print Exec Department registration not updated

When the IP-address of Print Exec Department changes, Océ Account Console does not update the internal registration. This causes that the Print Exec Department registration can not be removed. Also the tasks that retrieve information from Print Exec Department will always fail.

4.3.9 Online help

The online help contains some hyperlinks that can not be resolved.

4.3.10 Import values from CSV file

The user interface of the import functionality is not fully localized.

When values are imported from a CSV file and incomplete columns have been selected, the rows that contain the incomplete columns are marked red. However when you select other columns that have different rows that are incorrect, also the ‘old’ incorrect rows are marked red.

4.3.11 Printing from the Queue Manager

When jobs are printed from the History-queue using the Queue manager, then the jobs are not removed from the History-queue in Océ Account Logic. Note that it is not advised to use the Queue manager when Océ Account Logic is active.

4.3.12 Using numeric value for a field ID

A numeric value is not allowed as the field ID although the user interface of Océ Account Console does not prohibit using numeric ID's. When a numeric ID is used for a field, no jobs can be submitted using Print Exec Workgroup. When jobs do arrive at Océ Account Logic, they will not be validated correctly and the print job will stay in the "Inbox – without accounting info". You can only use alphanumeric IDs.

4.3.13 Upgrading Account Console

When migrating the log data of a previous Account Console database to a new version and the delivered date is not filled in, then the date of the log file is used.

In some previous versions of Account Console it was possible to create 'invalid' dialog structures. Account Console migrates the structure until an 'invalid' field is found. Then the upgrade continues migrating the log data.

Account Console 1.x incorrectly imported Power Logic Controller data that was missing vital fields. Account Console handles them in two ways:

- If it can fill in the information it does (only for processing type) and log a warning message.
- If it cannot fill in the information it skips the record and logs a warning message.

4.3.14 Upgrading Account Logic

It is strongly advised to use the same version of Account Logic and Account Console. Upgrading Account Logic can be done from within Account Console, as described in the User Manual.

If for some reason the upgrade fails, the original version of Account Logic will be started again after a reboot of the Océ Power Logic® Controller. In that case an Océ service technician can install the latest version of Account Logic on the Océ Power Logic® Controller.

4.3.15 Change IP address of connected devices

When the IP address of a device that is configured in Account Console is changed while Account Console is running, the “Retrieve log data” or “Update dialog” tasks will no longer be able to connect to this device. Restarting Account Console (restart the Windows service named “AccountConsole”) will solve the problem.

Chapter 5

Appendix A:

Account Center log export



5 Appendix A: Account Center log export

5.1 Overview fields exported per system

Account Console exports accounting logs per system. What is exported depends on the export method used. The XML filter always exports all available fields according to the dtd. The CSV filters export (a selection of) the log data fields that are listed in paragraph 5.3.

The version of the CSV export filter defines which fields are exported:

- Version 1 exports fields according to Océ logging specification version 1. This is a subset of all accounting fields available in Account Console: 1-50 for TDS400, TDS450, TDS600, TDS800 and TDS860; 1-54 for all other supported systems. The extended version of this filter also exports all fields defined in the accounting dialog.
- Version 2 exports fields according to Océ logging specification version 2. This filter exports fields 1-66, for all machines, independent of the system type. Note that some fields may be empty, depending on the type of job for which data was logged and the type of machine that logged the data. The extended version of this filter also exports all fields defined in the accounting dialog.
- Version 3 exports fields according to Océ logging specification version 3. This filter exports fields 1-74, for all machines, independent of the system type. Note that some fields may be empty, depending on the type of job for which data was logged and the type of machine that logged the data. The extended version of this filter also exports all fields defined in the accounting dialog.
- Custom export filters can be defined to export a selection from: fields 1-74, several fields (see paragraph 5.3) that are always available but not used in the standard filters listed above, and all fields defined in the accounting dialog.

5.2 System identification in CSV log data

The first field in the CSV log data identifies the system type of the machine for which the log data is exported.

5.2.1 Export filters version 1 and 2

In the output of export filters version 1 and 2 the first field contains a 4-digit numeric value, and the field name (value in first record in CSV) is also a 4-digit numeric value. The table below specifies these numeric values for all supported system types. This field can be used in custom export filters by selecting the field named “Record type”.

Field name	Value	System type
6110	6111	Océ TDS800
6210	6211	Océ TDS600

Field name	Value	System type
6310	6311	Océ TDS400 and Océ TDS450
6410	6411	Océ TCS400
6510	6511	Océ TDS860
6610	6611	Océ TCS500
6710	6711	Océ TDS700
6810	6811	Océ ColorWave 600
6910	6911	Océ PlotWave 300
7010	7011	Océ TC4
7110	7111	Océ ColorWave 300
7210	7211	Océ TDS750
7310	7311	Océ PlotWave 900
7410	7411	Océ ColorWave 600 PP
7510	7511	Océ ColorWave 650 Release 3.x of the Océ ColorWave 650 supports the Océ Wave Interface for Accounting and therefore does not return product id 7510/7511; the value 9999 is used instead (see note*).
7610	7611	Océ PlotWave 350
7710	7711	Océ ColorWave 650 PP
7810	7811	Océ ColorWave 550 Release 3.x of the Océ ColorWave 550 supports the Océ Wave Interface for Accounting and therefore does not return product id 7810/7811; the value 9999 is used instead (see note*).
7910	7911	Océ PlotWave 750
9999	9999	Any system supporting the Océ Wave Interface for Accounting (see note*).

***Note:** 4-digit product ids are not defined for systems that support the Wave interface, it is advised to use export filter version 3 to export log data of these systems.

5.2.2 Export filter version 3

In the output of export filter version 3 the first field contains the product type as a text value. The field name (value in first record in CSV) is always “RecType”. This field can be used in custom export filters by selecting the field named “Record type (text)”. *Note:* the product type in this field is a text value that is retrieved from the machine, for all system types, including systems supporting the Océ Wave Interface for Accounting.

5.3 Detailed CSV fields specification

	Parameter / field name (value in first record in CSV)	Type	Max len	Description
1	Record type	NUM	4	Export filter version 1 and 2 only Field name and value according to table in paragraph 5.2.1.
1	Record type (RecType)	TEXT	32	Export filter version 3 only Print system type identifier (product type).
2	Account ID (AccID)	TEXT	255	Account ID, escaped according to escaping rules. Empty field if not available. <i>Notes:</i> - usually the 9-digit numeric “AccountID” e.g. from scanner panel is converted to its textual representation (without any prefix); for an OJT ticket this is set to the “AccountID” field in the ticket - when the field _AID is used in the accounting dialog, the standard export filters return the value that is specified in _AID as value for AccID (the extended export filters return the, possibly different, unchanged values for AccID and _AID)
3	User ID (UserID)	TEXT	255	User ID of submitter of job, escaped according to escaping rules. Empty field if not available. <i>Notes:</i> - the numeric “UserId” e.g. from scanner panel is converted to its textual representation (without any prefix); for an OJT ticket this is set to the “UserID” field in the ticket - - when the field _UID is used in the accounting dialog, the standard export filters return the value that is specified in _UID as value for UserID (the extended export filters return the, possibly different, unchanged values for UserID and _UID)
4	Job ID (JobID)	TEXT	255	ID of job as specified in a job ticket, escaped according to escaping rules. Empty field if not available. For an OJT ticket this is set to the “JobName” field in the ticket.
5	Machine ID (MachID)	TEXT	255	The serial number of the system is the serial number of the printer if a printer is present, otherwise it is the serial number of the scanner (meaning system serial number changes when a scanner only configuration is updated to a hybrid configuration).
6	Record version	NUM	2	Version number of this record type.

	Parameter / field name (value in first record in CSV)	Type	Max len	Description
	(Version)			1, 2, 3. Indicates which fields are included in a record. See paragraph 5.1.
7	Job Unique ID (JobUID)	NUM	10	Controller-generated unique job ID. Is unique for each job in the log file. Range: 0 – 9999999999. <i>Note:</i> the Océ ColorWave 650 uses different ranges of job IDs for print/copy jobs and for scan jobs.
8	Record number (RecNr)	NUM	6	Sequence number of this record in the account log for this job. Starts at 0. Records are numbered from the first layer of the first input page to the last layer of the last input page of the job
9	Job submission source (JobSrc)	TEXT	255	Host name or IP address of the source of the job. Empty field if not available.
10	Channeltype (ChnType)	TEXT	32	Protocol used for the job submission: LP, SMB, PSERVER, FTP, CENTRONICS, Scanner Panel
11	Receive date year (RcvY)	NUM	4	Year when source page was received. E.g. 2013. <i>Note:</i> The receive date/time for all pages in a job are equal to the date that the job was accepted by the controller.
12	Receive date month (M and RcvM)	NUM	2	Month when source page was received. Range: 1-12
13	Receive date day (D and RcvD)	NUM	2	Day of the month when source page was received. Range: 1-31
14	Receive time hours (h and Rcvh)	NUM	2	Hour when source page was received. Range: 0-23
15	Receive time minutes (m and Rcvm)	NUM	2	Minute when source page was received. Range: 0-59
16	Receive time seconds (s and RcvS)	NUM	2	Second when source page was received. Range: 0-59
17	Source location (SrcLoc)	TEXT	255	Location of the input file or set: For files in the input stream: F1 to F999 (for the first until the 999th file in the input stream of this job). For scans, the input set number to which the page belongs: S1 to S999 (for the first until the 999th input set). In current version there's always one single set for scan.
18	Source page number (SrcPg)	NUM	6	Page number of the input page in the source set/file. First = 1
19	Source type (SrcType)	TEXT	32	Type of the source page. For PDLs: TIFF, CALS, PDF, PS, NIRS, HPGL, HPGL2, C4, CALCOMP, ASCII, JFIF (=JPEG), JPEG, DWF

	Parameter / field name (value in first record in CSV)	Type	Max len	Description
				For scans: - SCANF (scan of front of page), - SCANB (scan of back of page, provision for future use, never logged yet)
20	Source width (SrcWth)	NUM	6	Native width of source page as it is defined in the PDL or by the size of the physical original in case of copying/scanning. Any transformation (zooming, rotation) applied to the original does not affect this value. Maximum source width corresponds to 42 inch for ColorWave 600, ColorWave 600 PP and ColorWave 650 and to 36 inch (E+ width) for all other systems. The value is expressed in the units chosen in the administration window (see section 3.21).
21	Source height (SrcHgt)	NUM	6	Native height of source page as it is defined in the PDL or by the size of the physical original in case of scanning or copying. Any transformation (zooming, rotation) applied to the original does not affect this value. The value is expressed in the units chosen in the administration window (see section 3.21).
22	Output width (OutWth)	NUM	6	Actual width of output page. For physical output this is the width of the physical output page. For digital output this is the width of the output page as defined in the output file. The value is expressed in the units chosen in the administration window (see section 3.21).
23	Output height (OutHgt)	NUM	6	Actual height of output page. For physical output this is the height of the physical output page. For digital output this is the height of the output page as defined in the output file. The value is expressed in the units chosen in the administration window (see section 3.21).
24	Width scale (WthScl)	NUM	4	The scaling factor (excluding resolution conversion) applied to the original in the width direction. In %.
25	Height scale (HgtScl)	NUM	4	The scaling factor (excluding resolution conversion) applied to the original in the height direction. In %.
26	Mirroring (Mirror)	TEXT	2	Mirroring applied to the original. LR (left and right swapped) or TB (top and bottom swapped, provision for future). Empty if no mirroring applied.
27	Rotation angle (Rot)	NUM	3	Counterclockwise rotation angle of the scaled (and possibly mirrored) original. Possible values: 0, 90, 180, 270. An angle of 0 implies that the orientation of the

	Parameter / field name (value in first record in CSV)	Type	Max len	Description
				source and output image is the same.
28	Process type (PrcType)	TEXT	32	Type of processing that was done for this layer: - PLOT, - COPY, - STF (scan to file), - CHK (check plot), - ICOPY (interrupt copy), - INTRNL (internal job), - REPLOT (reprint from history queue or smart inbox)
29	Process completion (PrcCmplt)	TEXT	32	How the process completed for this layer: - DONE (normal termination), - ABRT (job aborted by user during layer processing), - ERR (error occurred during layer processing: no output page was printed for this layer)
30	Delivery date year (DlvY)	NUM	4	Year when page was delivered. E.g. 2013.
31	Delivery date month (M and DlvM)	NUM	2	Month when page was delivered. Range: 1-12
32	Delivery date day (D and DlvD)	NUM	2	Day of the month when page was delivered. Range: 1-31
33	Delivery time hours (h and Dlvh)	NUM	2	Hour when page was delivered. Range: 0-23
34	Delivery time minutes (m and DlvM)	NUM	2	Minute when page was delivered. Range: 0-59
35	Delivery time seconds (s and DlvS)	NUM	2	Second when page was delivered. Range: 0-59
36	Output page number (OutPg)	NUM	6	Page number of the output page in this job. First = 1. Physical output pages are numbered separately from digital output pages. Digital output pages are numbered separately for each separate output file.
37	Output media type (MedType)	TEXT	255	Type of the output medium in case of physical output. Possible values depend on system type and on installed media profiles. Empty if no physical output.
38	Output media special (MedSpC)	TEXT	1	Indicates whether special output media is selected. - Y (yes) - N (no) Empty if no physical output. Not used for ColorWave 600, ColorWave 600 PP and ColorWave 650.
39	Output media weight (MedWgt)	TEXT	32	Output media weight of the actual output page in case of physical output: LIGHT, NORMAL, HEAVY. Empty if not known or if only digital output.

	Parameter / field name (value in first record in CSV)	Type	Max len	Description
				Not used for ColorWave 600, ColorWave 600 PP and ColorWave 650.
40	Output media source (MedSrc)	TEXT	32	Source from which the output media was taken in case of physical output: ROLL1, ROLL2, ROLL3, ROLL4, ROLL5, ROLL6, TRAY1, TRAY2, TRAY3, MANUAL (manual feed slot). Empty if no physical output.
41	Output fold method (Fold)	TEXT	32	Folding method applied to the output media in case of physical output. For folding in 2 directions: AFNOR, ERICSSON, DIN. For folding in 1 direction: AFNOR1, ERICSSON1, DIN1. Empty if no physical output or not folded. Offline folding is not logged.
42	Output binding method (Bind)	TEXT	32	Specifies the binding method for the output media. - EDGEONLY (only binding edge), - REINFORCE, - PUNCH. Empty if no physical output or no binding method.
43	Output media destination (MedDst)	TEXT	32	Output media destination in case of physical output: BELT1, BELT2, BELTS, CDT, IRT, FIRSTFOLD, STACKER, DOUBLE_DECKER_PRO, EXTRNL Empty if no physical output. <i>Notes:</i> a) the Océ TDS800/860 or PlotWave 900 may log IRT if a job ticket specified such a delivery destination, even if an Océ TDS800/860 or PlotWave 900 does not have an IRT and pages are delivered on the CDT. b) DOUBLE_DECKER_PRO is also known as HVS (High Volume Stacker). c) IRT is also known as Top Delivery Tray.
44	Output file type (FileType)	TEXT	32	Type of output file in case of digital output: TIFF, CALS, PDF, JPEG. Empty if no digital output.
45	Output file compression (FileCmpr)	TEXT	32	Compression method of output file in case of digital output: GROUP3, GROUP4, PACKBITS, LZW, FLATE, JPEG. Empty if no digital output or no compression.

	Parameter / field name (value in first record in CSV)	Type	Max len	Description
46	Output file size (FileSz)	NUM	10	Size of output file in bytes (including all pages in case of multi-page output files) in case of digital output. Empty if no digital output.
47	Output file destination (FileDst)	TEXT	255	Nickname of the destination for the output file as used in the scan manager, in case of digital output. If multiple pages in one job have the same destination file, a multi-page file is generated. Empty if no digital output.
48	Output resolution - width direction (ResX)	NUM	4	Resolution of output in width direction in dpi.
49	Output resolution - height direction (ResY)	NUM	4	Resolution of output in height direction in dpi.
50	Completion Id (CmpId)	NUM	8	Indicates the instance number of the job. First instance is 1. More than 1 job instance occurs when jobs are restarted, e.g. from the history queue.
51	Output color mode (ColMod)	TEXT	32	Was the file printed in color or black&white. Values can be COLOR, GREYSCALE, MONOCHROME.
52	Output quality mode (QualMod)	TEXT	32	The print quality of the output (color printers only). The values are product specific. Values can be a/o CHECK, RELEASE, PRESENTATION, ECONOMY, PRODUCTION. For Océ ColorWave 600 PP the values can be EXPRESS, EXPRESS PLUS, PRODUCTION, PRODUCTION PLUS, QUALITY, QUALITY PLUS.
53	Output content type (ContMod)	TEXT	32	Describes the content mode used to process the print file (color printers only). The values are product specific. Values can be a/o STANDARD, LINESTEXT, AREASLINES.
54	Original type (OrigType)	TEXT	32	What kind of original is used for copying (color printers only). The values are product specific. Values can be a/o ARTWORK, MAP, PHOTO, LINEART, BLUEPRINT, DARKORIGINAL.
55	User name (UserName)	TEXT	255	The name of the user of a job.
56	Black usage (ColBlack)	NUM	4	Black colorant usage in mg (0.001 g) or ml (0.001 l), depending on the print technology.
57	Cyan usage (ColCyan)	NUM	4	Cyan colorant usage in mg (0.001 g) or ml (0.001 l), depending on the print technology.

	Parameter / field name (value in first record in CSV)	Type	Max len	Description
58	Magenta usage (ColMagenta)	NUM	4	Magenta colorant usage in mg (0.001 g) or ml (0.001 l), depending on the print technology.
59	Yellow usage (ColYellow)	NUM	4	Yellow colorant usage in mg (0.001 g) or ml (0.001 l), depending on the print technology.
60	Black usage clicks (ColBlackClicks)	NUM	4	0.1 TAC per unit of black colorant usage (in case of monochrome print). Only for print-systems that use TAC.
61	Color usage clicks (ColColorClicks)	NUM	4	0.1 TAC per unit of total color colorant usage (in case of color print). Only for print-systems that use TAC.
62	Job number (JobNr)	TEXT	255	String provided by submitter. For an OJT ticket this is set to the "JobNumber" field in the ticket.
63	Parent Job ID (PrtJobID)	TEXT	255	Job ID of the parent job in case of a reprint.
64	Job copies (JobCopies)	NUM	4	Requested number of copies for this job (not necessarily equal to the number of copies produced).
65	Output Set (OutSet)	NUM	4	Sequential number indicating the current set being printed.
66	Job completion (JobCmplt)	TEXT	32	How the job completed: - DONE (normal termination), - ABRT (job aborted by user during job processing), - ERR (error occurred during layer processing: when page was not printed for this job and no user abort has occurred).
67	Smart Inbox name (SmartInbox)	TEXT	255	The name of the Smart Inbox specified in the job ticket.
68	Matt black usage (ColMattBlack)	NUM	4	Matt black colorant usage in mg (0.001 g) or ml (0.001 l), depending on the print technology.
69	Light cyan usage (ColLightCyan)	NUM	4	Light cyan colorant usage in mg (0.001 g) or ml (0.001 l), depending on the print technology.
70	Light magenta usage (ColLightMagenta)	NUM	4	Light magenta colorant usage in mg (0.001 g) or ml (0.001 l), depending on the print technology.
71	Red usage (ColRed)	NUM	4	Red colorant usage in mg (0.001 g) or ml (0.001 l), depending on the print technology.
72	Green usage (ColGreen)	NUM	4	Green colorant usage in mg (0.001 g) or ml (0.001 l), depending on the print technology.
73	Blue usage (ColBlue)	NUM	4	Blue colorant usage in mg (0.001 g) or ml (0.001 l), depending on the print technology.
74	Gray usage (ColGray)	NUM	4	Gray colorant usage in mg (0.001 g) or ml (0.001 l), depending on the print technology.

The following fields are not included in the standard CSV export filters, but can be used in custom filters.

	Record type (RecType)	NUM	4	Field name and value according to table in paragraph 5.2.1.
	Record type (text) (RecType)	TEXT	32	Print system type identifier (product type).
	Received date (Rcv)	TEXT	21	Date and time when source page was received, string formatted as "yyyy-MM-dd HH:mm:ss.S". E.g. "2013-05-29 14:08:19.0". <i>Note:</i> The receive date/time for all pages in a job are equal to the date that the job was accepted by the controller.
	Delivery date (Dlv)	TEXT	21	Date and time when page was delivered, string formatted as "yyyy-MM-dd HH:mm:ss.S". E.g. "2013-05-29 14:08:19.0".
	Source area (SrcArea)	NUM	6	Area of source page as it is defined in the PDL or by the size of the physical original in case of copying/scanning. Any transformation (zooming, rotation) applied to the original does not affect this value. The value is expressed in the units chosen in the administration window (see section 3.21).
	Output area (OutArea)	NUM	6	Actual area of output page. For physical output this is the area of the physical output page. For digital output this is the area of the output page as defined in the output file. The value is expressed in the units chosen in the administration window (see section 3.21).