



FileNet P8 Usage Reporter Reference Guide

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Revision Log

Date	Revision
10/27/06	Initial document.

Overview

FileNet P8 Usage Reporter is an administrative tool that monitors the number of users accessing FileNet products and provides both near real-time and historical usage information.

Intended audience

This document is intended for FileNet administrators who are authorized to setup, configure, or run the FileNet P8 Usage Reporter tool.

Installation and Configuration

For more information, see [Installation and Configuration](#) on page 10.

Usage summary information

When you run the FileNet P8 Usage Reporter you input information about the number of (authorized) users, the number of (authorized) concurrent users, and a specific period of time to obtain the following summary information about system usage at a client site:

- [General Usage Summary](#) – Provides the following view-only information, which you can use to compare the authorized numbers with the actual numbers.
 - Date and time of statistics calculation
 - Period of time statistics cover
 - Number of server processors
 - Number of authorized users
 - Number of distinct (actual) users
 - Number of authorized concurrent users
 - Number of actual concurrent users
- [Usage Summary](#) – Provides the following information:
 - *Distinct (actual) users* – Indicates the top ten named users. Those that are in excess of the number of authorized users input at the top of the screen are highlighted in red.
 - *Actual concurrent users* – Indicates the peak usage periods. Those that are in excess of the number of authorized concurrent users input at the top of the screen are highlighted in red.
- [Usage Detail Summary](#) – Provides detailed information about usage at peak periods and selected time periods.

NOTE Usage summary data and usage detail summary data can be viewed online or exported for printing.

FileNet product servers

Currently, FileNet P8 Usage Reporter works with Content Engine (CE) servers only.

Timeframes

When choosing timeframes, you can:

- Select a pre-defined timeframe such as one week or one year
- Enter a specific timeframe such as 17 June 2006 to 21 June 2006

Authorized users and concurrent users

The number of authorized users and authorized concurrent users are unique to each installation.

Export formats

FileNet P8 Usage Reporter supports the following export formats:

- CVS
- XML
- HTML

NOTE Only usage summary data and usage detail summary data can be exported for printing.

Procedure: Using FileNet P8 Usage Reporter

When you use FileNet P8 Usage Reporter, you can view three different types of summary data based upon your input criteria. (For more information, see Usage summary information on page 4.) You can also export the usage summary data.

NOTE Since the tasks you can perform after you start the application and query for summary data do not have to occur in any particular order, they are presented as individual steps.

Instructions

To use FileNet P8 Usage Reporter

1. Select FileNet P8 Usage Reporter from the Start menu.
2. Enter the following criterion:
 - o P8 component
 - o Number of authorized distinct users
 - o Number of authorized concurrent users
 - o Timeframe

To view General Usage Summary data

1. Click the **Summary** tab to view General Usage Summary data.

The screenshot shows the FileNet P8 Usage Reporter application window. The title bar reads "FileNet P8 Usage Reporter". The window is divided into several sections:

- Report Settings:** This section contains a dropdown menu for "P8 component" set to "IS (ver: 4.0, instance: 0) on hq-intl", an "Export" button, and two spinners for "Authorized users" and "Concurrent users", both set to 0. Below these are "Set" buttons. It also shows "Calculated authorized peak users: 0" and "Database last updated on 09/06/06".
- Data Selection:** There are two radio buttons. The first is "Showing data for:" with a dropdown set to "the past year" and a "Show" button. The second is "Show data from:" with two date pickers set to "1/1/2006" and "1/1/2006", and a "Show" button.
- Summary Tab:** The "Summary" tab is selected. It displays "Usage Information" with the following data:

Statistics calculated: Sep 28, 2006 @ 10:48 AM	Period: 1 year
Authorized users: 0	Authorized concurrent users: 0
Distinct users: 340	Actual concurrent users: 340
Number of processors: 4	
- Footer:** A yellow box contains the text "Hover your mouse over any item for more information." and an "Exit" button is located at the bottom right.

To view Usage Summary data

1. Click the Usage Report tab to view Usage Summary data.

The screenshot shows the FileNet P8 Usage Reporter application window. The 'Report Settings' section includes a dropdown for 'P8 component' (IS (ver: 4.0, instance: 0) on hq-inti), an 'Export' button, and input fields for 'Authorized users' and 'Concurrent users', both set to 0. It also shows 'Calculated authorized peak users: 0' and 'Database last updated on 09/06/06'. There are two radio buttons for data display: 'Showing data for' (selected) with a dropdown set to 'the past year' and a 'Show' button, and 'Show data from' with date pickers for '1/1/2006 to 1/1/2006' and a 'Show' button. Below this is a tabbed interface with 'Summary' and 'Usage Report' tabs. The 'Usage Report' tab is active, displaying two tables. The first table shows individual user peaks, and the second table shows weekly peak usage.

Named Users	Day	Date	Time
340 Sat		07/22/06	1:12 AM
340 Sat		07/22/06	1:42 AM
340 Sat		07/22/06	1:42 AM
340 Sat		07/22/06	1:02 AM

Week Ending	Peak Usage	Peak Day	Peak Date	Peak Time
07/22/06	340 Sat		07/22/06	5:12 AM
07/22/06	340 Sat		07/22/06	5:12 AM
07/22/06	340 Sat		07/22/06	3:12 PM
07/22/06	340 Sat		07/22/06	1:52 PM

Buttons: View Detail, Export, Exit

To view Usage Detail Summary data

1. Select a record and click **View Detail** to view Usage Detail Summary data.

The screenshot shows the FileNet P8 Usage Reporter application window. The title bar reads "FileNet P8 Usage Reporter". The interface is divided into several sections:

- Report Settings:**
 - P8 component: IS (ver: 4.0, instance: 0) on hq-inti
 - Export data for all P8 components:
 - Authorized users: 0
 - Concurrent users: 0
 - Calculated authorized peak users: 0
 - Database last updated on 09/06/06.
 - Showing data for: the past year
 - Show data from: 1/1/2006 to 1/1/2006
- Usage Report > Peak Users Detail Report:**
 - Summary | Usage Report
 - Table with columns: Named Users, Day, Date, Time
 - Table with columns: User Account, IP/Device, Resource, Time, RPCs
 -
 -

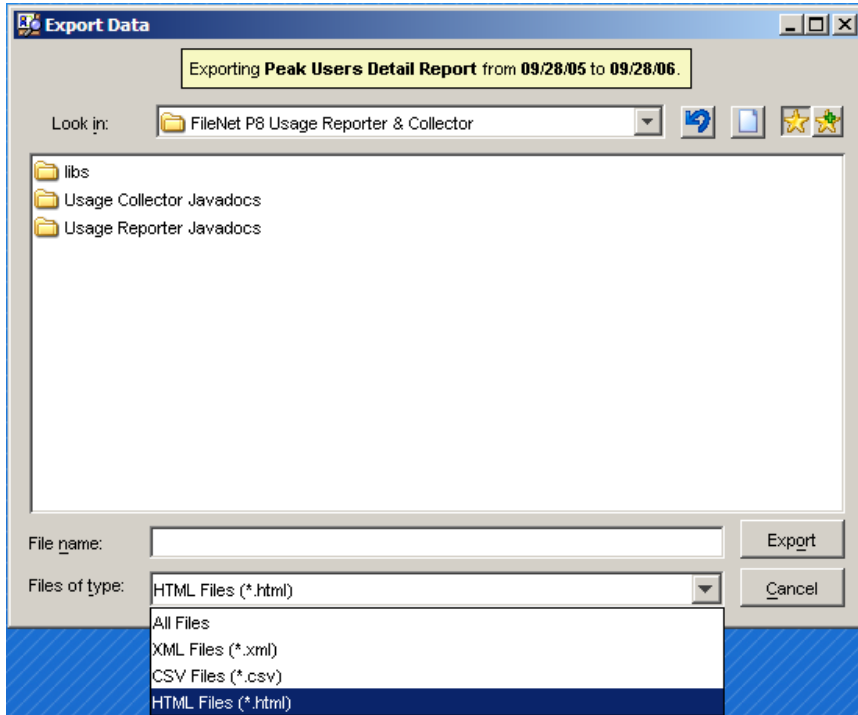
Named Users	Day	Date	Time
340	Sat	07/22/06	1:42 AM

User Account	IP/Device	Resource	Time	RPCs
TGrGqgEsUlwNdJg	hq-inti	IS	Jul 22, 2006	2
LhgmzealHfqLtyH	hq-inti	IS	Jul 22, 2006	2
cZqoaAHdpzlytvr	hq-inti	IS	Jul 22, 2006	1
tZtAABDjhCUJNON	hq-inti	IS	Jul 22, 2006	1
KmkfOFXtMboObr	hq-inti	IS	Jul 22, 2006	1
YeKYOecaDitxIDR	hq-inti	IS	Jul 22, 2006	1
sNIPIbCAzLUhALH	hq-inti	IS	Jul 22, 2006	1

To export data for printing

You can export data from the usage summary and the usage detail summary by selecting **Export** when viewing the associated data.

1. From either the Usage Summary or the Usage Detail Summary, select **Export**.



2. Name the file.
3. Choose the file type.
4. Click **Export**.

Installation and Configuration

This section discusses the various components of FileNet P8 Usage Reporter and provides installation and configuration information for each component.

Installation

FileNet P8 Usage Reporter installs with FileNet P8 Dashboard. For more information, see the FileNet P8 Dashboard User's Guide (Dashboard.pdf) found on the software CD.

Components

FileNet P8 Usage Reporter has the following components:

- Reporter
- Collector
- Listener

Reporter

The Reporter component is the user interface, which is discussed at the beginning of this document.

Collector

The Collector component gathers data from host systems; identified by an XML file. The gathered data is then used by the Reporter component.

XML file

After you install FileNet P8 Usage Reporter, create an XML file to identify the host systems. Name the file "cluster.xml" and save it in the same directory as the Collector component.

You can use the following XML examples as the basis for your cluster.xml file.

To specify a single host

1. Use the following example text to specify a single host.

```
<Clusters>
  <Cluster>
    <Host>host</Host>
  </Cluster>
</Clusters>
```

2. Change "host" to the actual target host.

To specify multiple hosts

1. Use the following example text to specify multiple hosts.

NOTE The number of cluster nodes should match the number of host systems.

```
<Clusters>
  <Cluster>
    <Host>host1</Host>
  </Cluster>
  <Cluster>
    <Host>host2</Host>
  </Cluster>
</Clusters>
```

2. Change "host1" and "host2" to the actual target hosts.

Database

To specify the database where collected data is stored

1. Open a command line prompt.
2. Change directories to the Collector location.
3. Run the Collector (FileNet P8 Usage Collector.exe).

You might see the following message prompting you to create a license.properties file:

```
The license.properties file was not found.
Would you like to create a new one?
```

4. Type “y” and press **Enter**.

The following message prompts you to enter the database location:

```
Enter the location of the database followed by a slash.
```

5. Type “./libs/” and press **Enter**.

The usage collector begins collecting data. When it is finished, you will see “Done” on the console.

Use the following screen capture as a reference.

```
C:\WINDOWS\system32\cmd.exe
09/27/2006 08:46 AM <DIR> .
09/27/2006 08:46 AM <DIR> ..
09/27/2006 08:45 AM          72 cluster.xml
09/25/2006 05:52 PM    414,208 Collector.exe
09/25/2006 05:52 PM    414,208 FileNet P8 Usage Collector.exe
09/25/2006 05:52 PM    504,832 FileNet P8 Usage Reporter.exe
09/26/2006 11:09 AM          269 hqintgwin7cluster.xml
09/27/2006 01:12 PM <DIR>    libs
09/27/2006 08:46 AM          88 license.properties
        6 File(s)    1,333,677 bytes
        3 Dir(s)    7,356,506,112 bytes free

C:\Program Files\FileNet\UsageSuite>"fileNet P8 Usage Collector.exe" -help
usage: [-c <path>] [-p <path>]
FileNet P8 Usage Collector 1.0.0. Copyright 2006 FileNet.
-c,--cluster      Specify a path to a cluster file
-h,--help         Display help information
-p,--properties   Specify a path to a properties file

C:\Program Files\FileNet\UsageSuite>"fileNet P8 Usage Collector.exe" -c "c:\pch\
hqintgwin7 cluster.xml"
Done

C:\Program Files\FileNet\UsageSuite>
```

Collection schedules

You should run the Collector at least once, usually toward the end of each day. The most convenient way to ensure the Collector runs at a regularly scheduled time is to create a cronjob (UNIX) or a scheduled task (Windows).

NOTE For UNIX systems:

- Add the following to your crontab: 0 0 * * * user UsageCollector.
 1. Change “user” to the username assigned to the Collector.
 2. Change “UsageCollector” to the full path of the Collector. (For example: /usr/home/username/UsageSuite/UsageCollector.jar.

Listener

The “Listener” component receives a stream of data from the host systems and passively waits for a connection from the Collector.

NOTE Since FileNet P8 Usage Reporter installs with FileNet P8 Dashboard, it also uses the same Listeners as Dashboard. For more information, see the FileNet P8 Dashboard User’s Guide (Dashboard.pdf) found on the software CD.