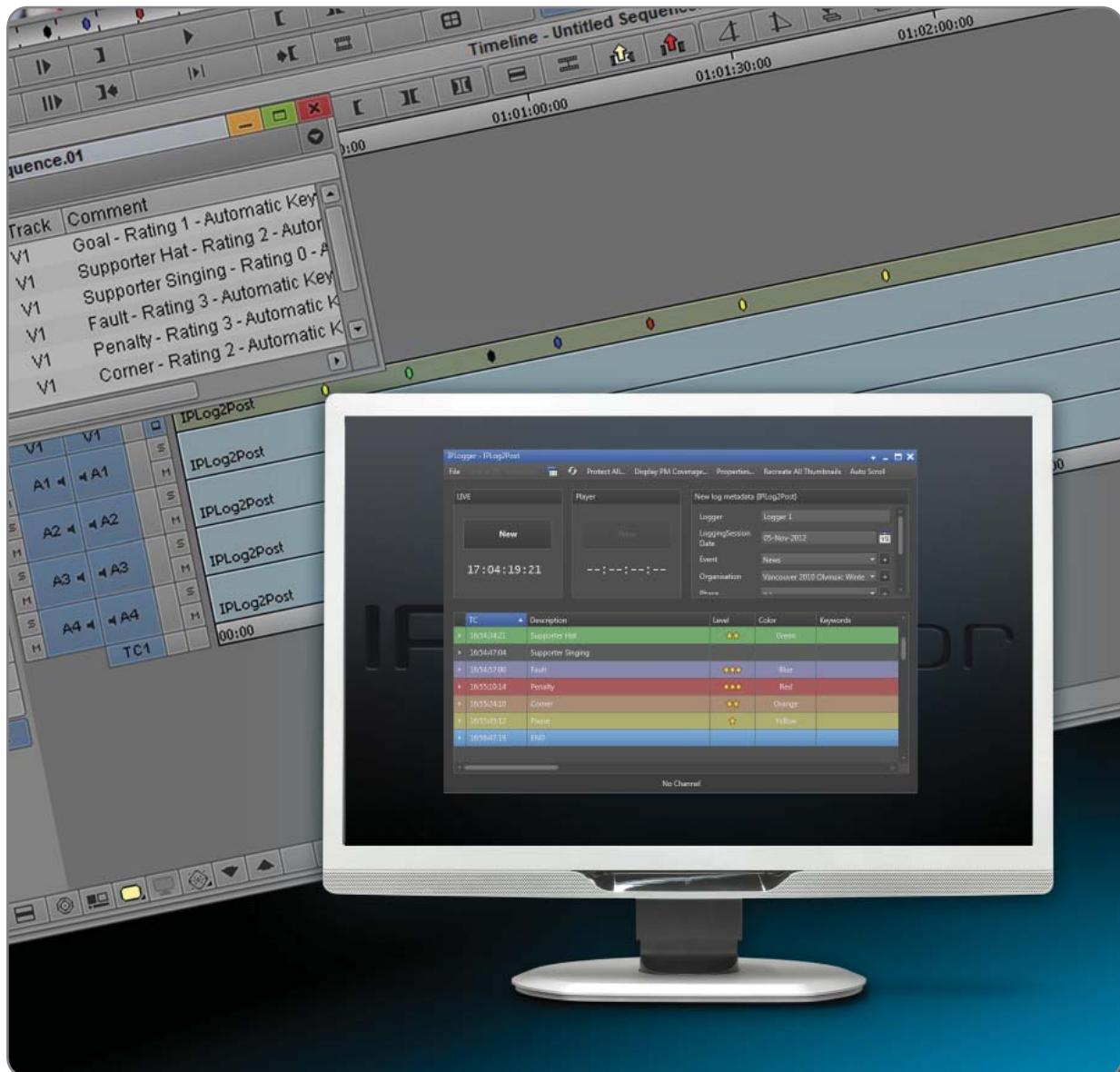


User Manual

Version 1.0 - December 2012

IP.Log2Post



Live Transfer of IPDirector Logging Information to 3rd-Party systems



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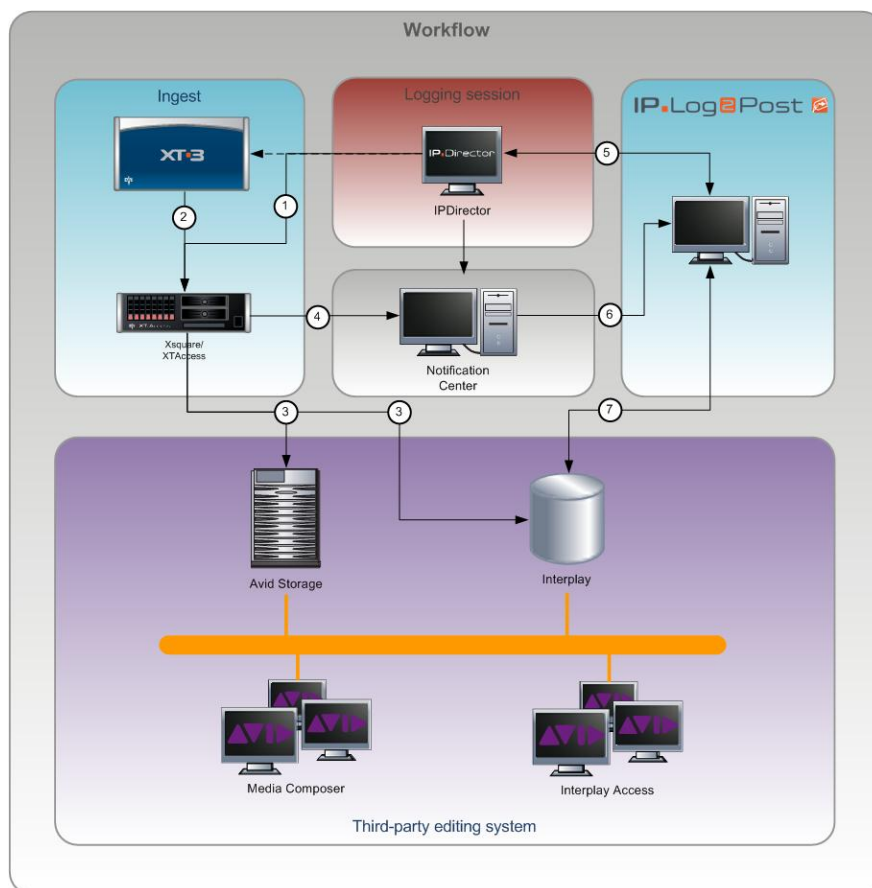
1. Introduction

1.1 Overview

The IPLog2Post is a product that allows IPDirector logging session to be instantly available in some third-party editing applications. In its first version, IPLog2Post interacts with Avid Interplay.

1.2 Workflow

The workflow illustrated in the following schema is explained below:



1. IP Director requests XTAccess/Xsquare to back-up a stream to Avid.
2. XTAccess gets video feed from XT server.
3. XTAccess performs backup to Avid and references media into Interplay.
4. XTAccess sends notifications to notification center about media streamed into Avid.
5. IPLog2Post system receives logs from IPDirector logging session.
6. IPLog2Post system receives information about media streamed to Avid.

7. IPLog2Post system sends to Avid Interplay information about logging session: logs created, updated, deleted, and additional information.
8. Editor view in Avid Media Composer and Interplay access the content of the logging session in live mode as it is created (provided the application refresh functionality is applied).

1.3 Main features

- Instant visibility on logs created, updated or deleted in IPDirector's IPLLogger logging session in Avid Media Composer or Avid Interplay Access
- Monitoring interface with following functionalities:
 - Start /stop Logging session
 - Start / Stop Log Gateway
 - Start / Stop Referencing Agent
 - Statistics on logs, log sheets, referencing and successful, failed or waiting log jobs notifications.
 - Details for failed log jobs: operation, comment, error, date, ID
 - Possibility to remove uncompleted jobs.
- Avid Interplay web server used for referencing logs is either the web server used for referencing media into Interplay or a dedicated Avid Interplay web server (configured during installation process).
- Xsecure protection: code 180 required on computer hosting IPLog2Post.

1.4 System Requirements

The following software is required:

- Multicam 11.01
- IP Director 6.08.45+
- XTAccess 1.19.15+/ Xsquare 1.01.21
- Avid Interplay 2.4 or higher
- Avid Media Composer 5.5.2 or higher
- .Net framework 4.0
- SQL Server Express edition
- VC Redist 2010
- XSecure manager 1.1.3

1.5 Limitations

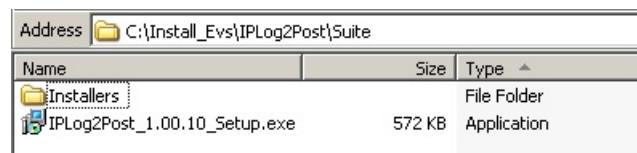
- Works only with Avid Interplay (No Avid Standalone, Apple FCP nor Adobe Premiere Pro)
- No application/services redundancy
- It is not possible to view a log on the first and last frame of the video in Avid.
- Time to insert logs into Interplay increases with amount of logs already linked to the media

2. Installation

In this chapter we describe the steps to install the IPLog2Post.

Note that IPLog2Post may be installed alone, or within a suite that includes all the external components mandatory to execute it correctly. The suite install procedure is described hereafter:

1. Launch the setup executable:

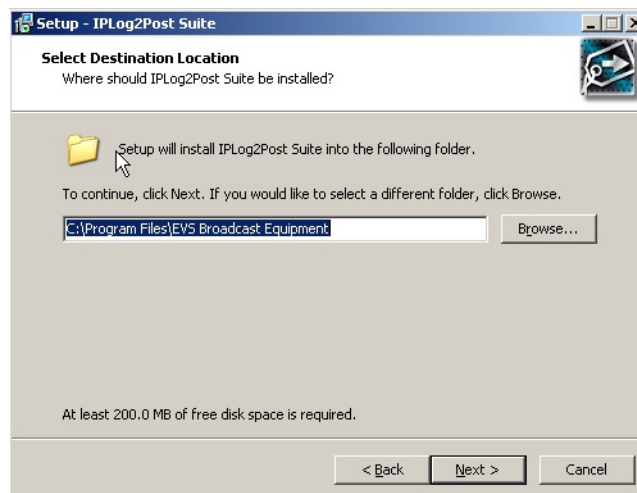


The suite setup executable provides the user with a wizard:

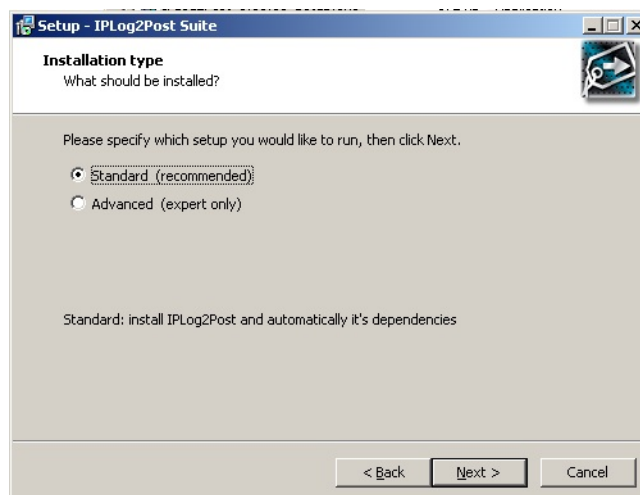


2. Click **Next** to start configuring the suite setup.

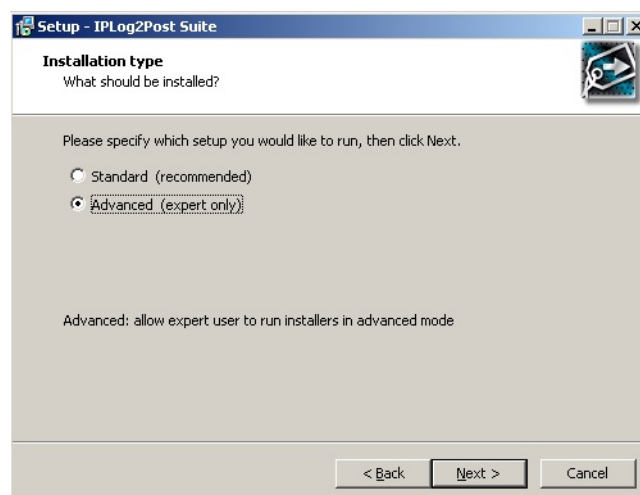
3. Define a path where IPLog2Post suite will be installed:



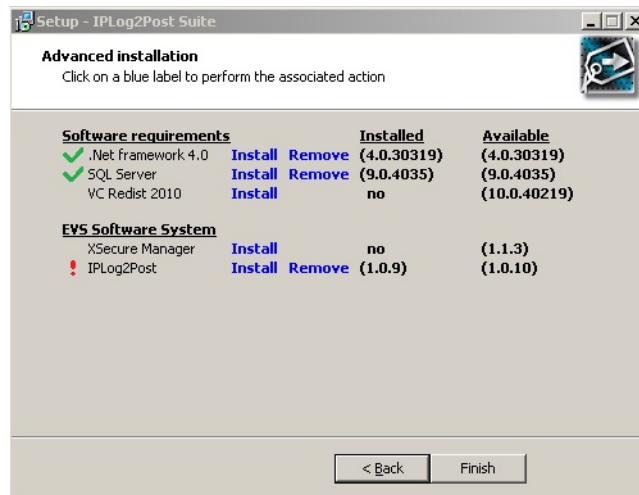
4. Choose an installation type:



- Standard installation type automatically installs all components that need to be installed.



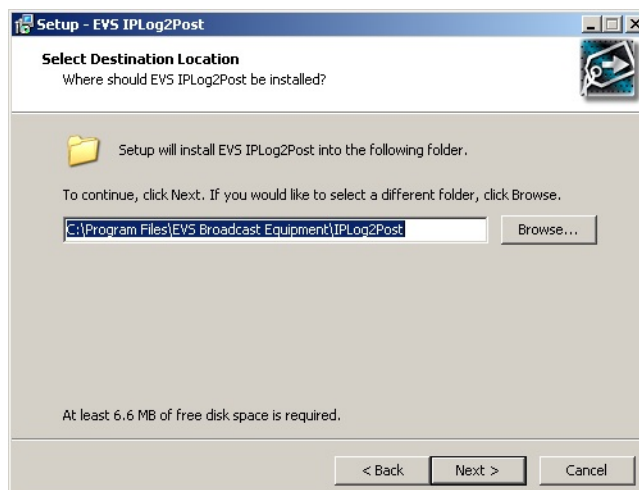
- Advanced installation type allows users selecting which components must be installed, as well as removing some:



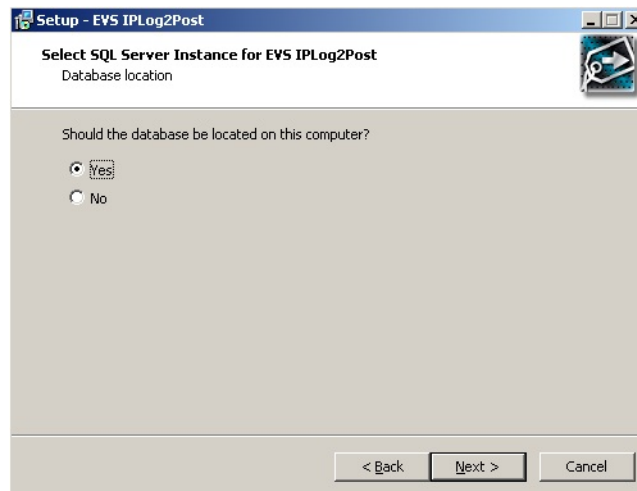
Once .Net framework 4.0, SQL Server, VC Redist 2010 and Xsecure manager are installed, the actual IPLog2Post installation setup procedure begins.



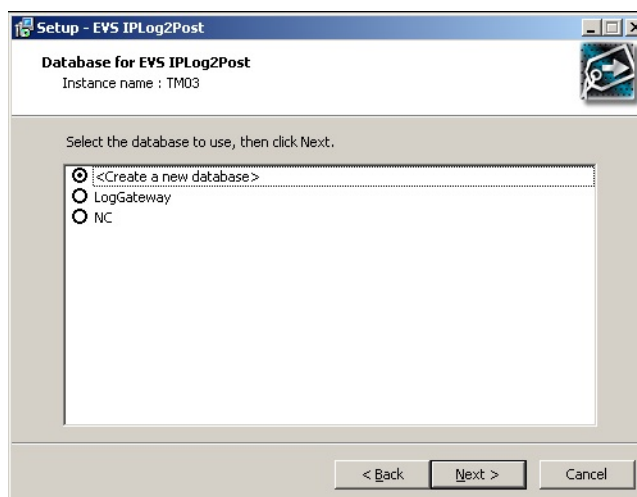
1. Specify IPLog2Post destination folder



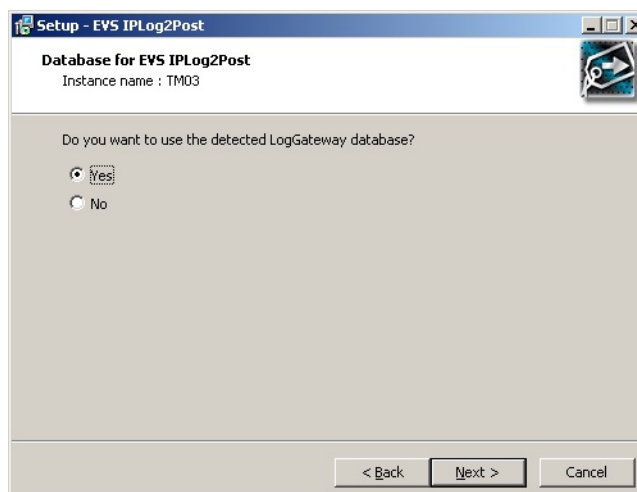
2. Specify if the database is hosted on the local machine or on a distant one:



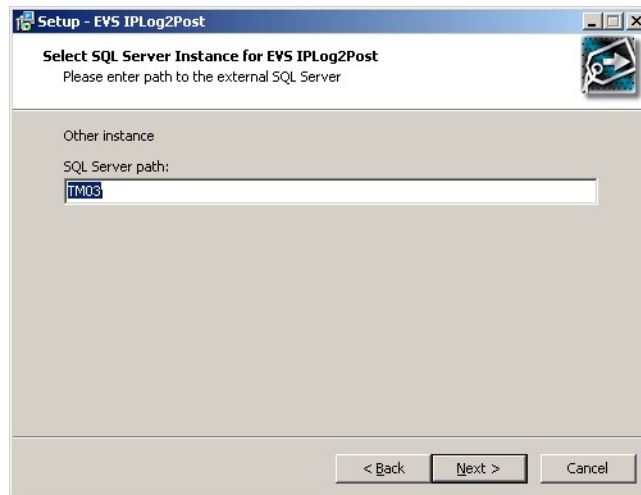
3. When you first install the solution, specify whether a new database has to be created or select a database in the list:



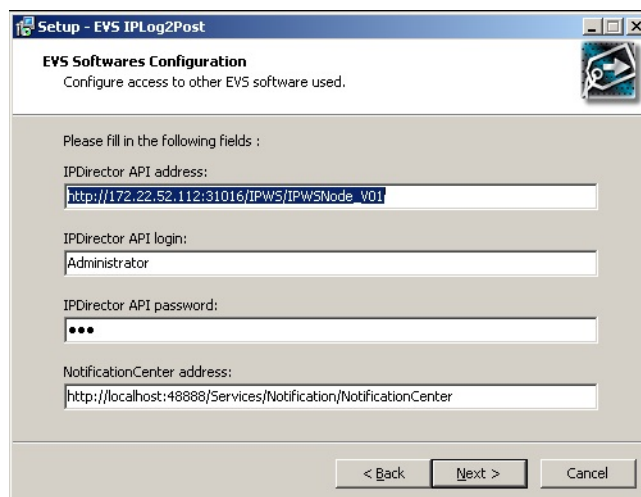
4. When you install an upgrade, the database used in the previous version of IPLog2Post is proposed first:



5. If a database on a distant server is chosen, the user must set SQL Server path:



6. Configure the IPDirector API address and credentials, as well as the Notification Center address:



- IPDirector API address (Web Service Node)
- IPDirector login
- IPDirector password

**Note**

The IPDirector login and password are the credentials of the user that performs the login session in IPDirector.

- Notification Center address, that is set in the Reporting System settings of XTAccess (right-click on XTAccess title bar):

The screenshot shows the 'Reporting System Settings' dialog box. It is divided into two main sections. The first section, 'Processing Device information', contains two text input fields: 'Nickname' and 'Group'. The second section, 'Reporting configuration', contains two radio buttons: 'No reporting' and 'Reporting via SOAP protocol'. The 'Reporting via SOAP protocol' radio button is selected. Below this, there are two sub-sections: 'Automatic discovery of the reporting server' and 'Manual configuration of the reporting server'. The 'Manual configuration of the reporting server' sub-section is selected and contains four fields: 'Reporting server name' (localhost), 'Reporting server port' (48888), 'Notifications frequency' (7 Seconds), and a URL field (http://localhost:48888/Services/Notification/Notifi). The URL field is highlighted with an orange border. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

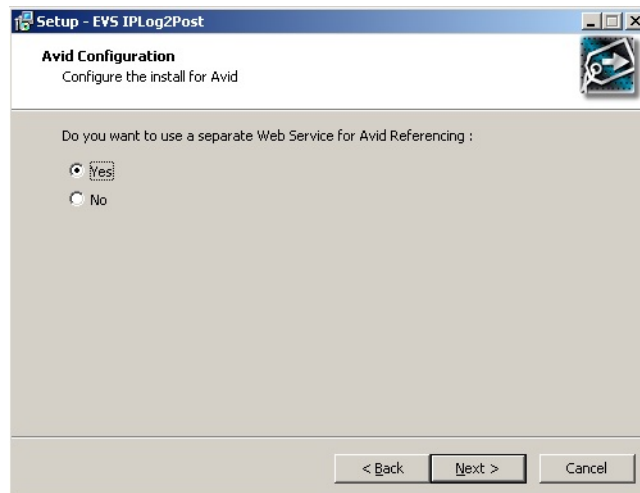
The address is typically: [http://\[IP\]:48888/Services/Notification/NotificationCenter](http://[IP]:48888/Services/Notification/NotificationCenter) where [IP] is either localhost or the IP address of the machine that hosts the notification center if it is on a distant machine.



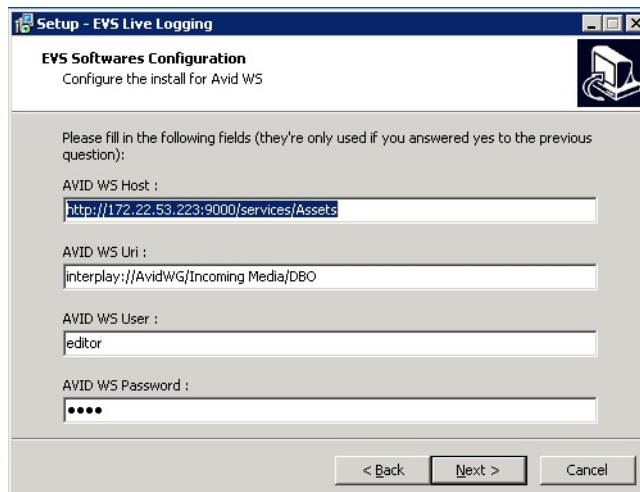
Note

If the setup is managed by Xsquare, the Notification Center address has the same IP address as Xsquare. In case of mirrored configuration, NotificationCenter virtual IP address must be used.

7. Specify whether a dedicated Avid Interplay Web Server must be used:

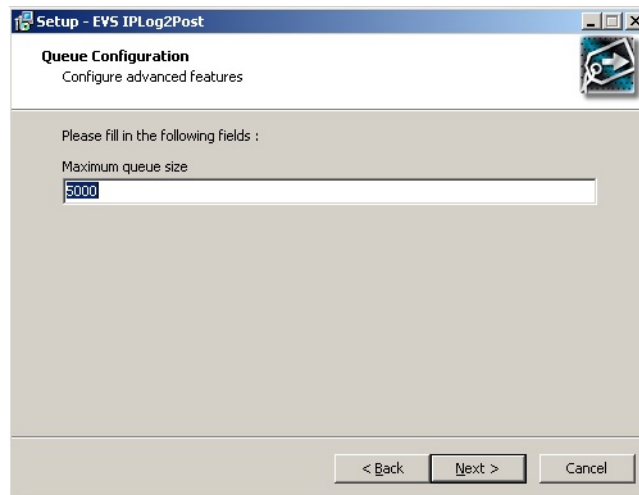


8. If “Yes”, configure Avid Interplay Web Server and related credentials (if “No”, there is nothing to configure):

**Note**

The AVID WS Uri field is used in case only one URI must be used. If the media must be sent to different URIs, then leave this field empty.

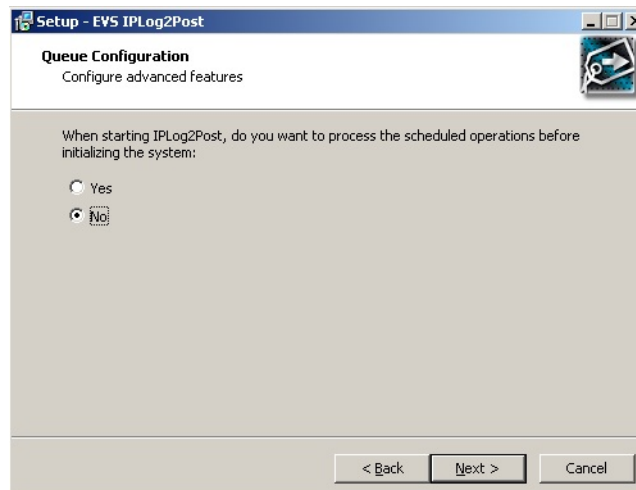
9. Configure the queue size, that is the maximum number of elements (IPDirector or XTAccess notifications), that can be kept in memory before being processed. Setting a value between 50 and 50000 is recommended.



Note

A small value may lead to loss of notifications, whereas a value too big may increase the need of memory for the process.

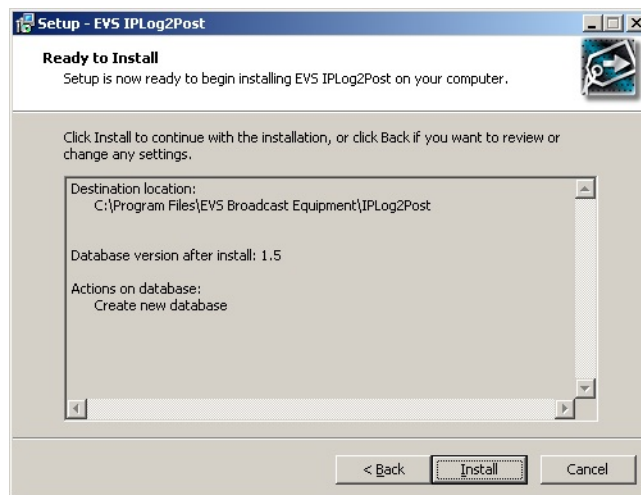
10. Configure queue management:



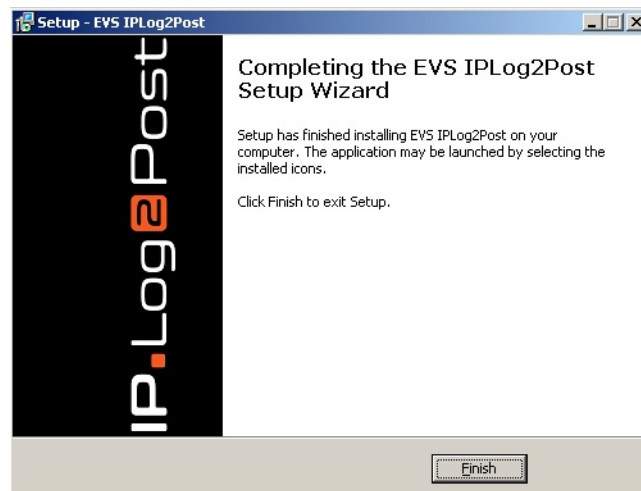
Note

When scheduled operations are processed before initialization of the system, IPLog2Post services are not referenced as running in the monitoring window until queue is completely processed.

11. Once all parameters have been defined, the user clicks the **Install** button to launch the installation process:



12. Click **Finish**, and IPLog2Post is ready to be used.



3. Application Launch

Launching the Application

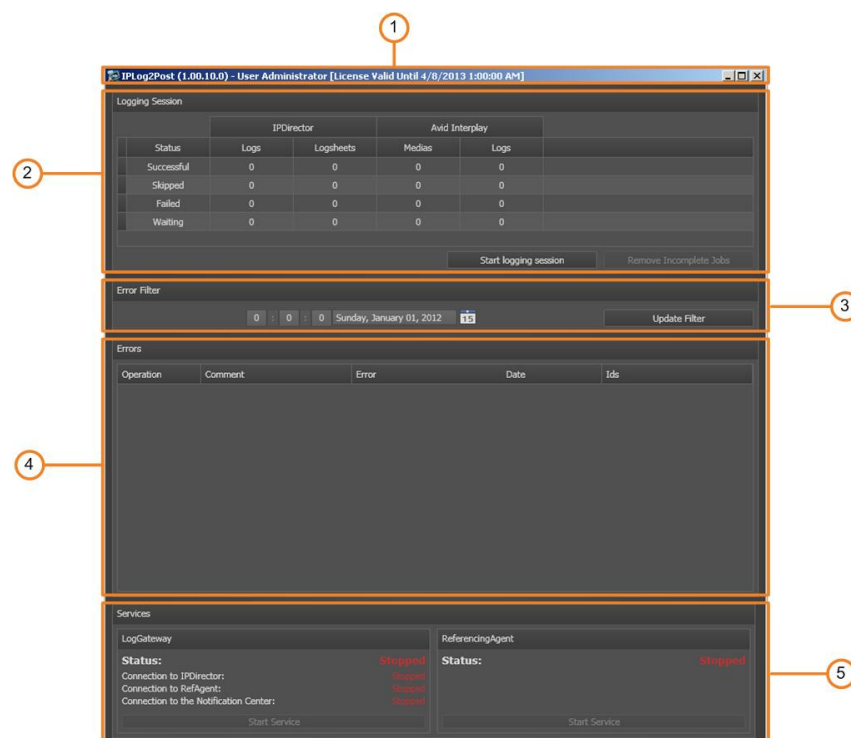
On the desktop, click the following shortcut icon to launch the IPLog2Post Monitor window:



Overview of the Monitoring Window

When you launch the application, the IPLog2Post monitoring window opens. The title bar of the monitoring window displays the solution version and the user connected to the IPDirector API. The monitoring window is composed of 5 areas:

1. Title bar: Application version number, user connected to the IPDirector API and XSecure licence validity.
2. Logging Session: statistics, starting/stopping session and remove waiting/error jobs
3. Error filter: filtering error messages
4. Errors: details on failed jobs
5. Services: starting/stopping services individually



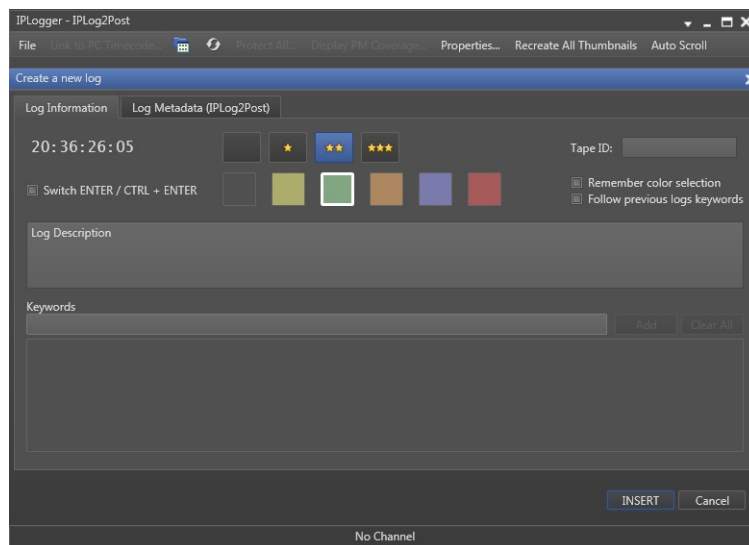
The last four areas are described in details in the following chapter.

4. Operations

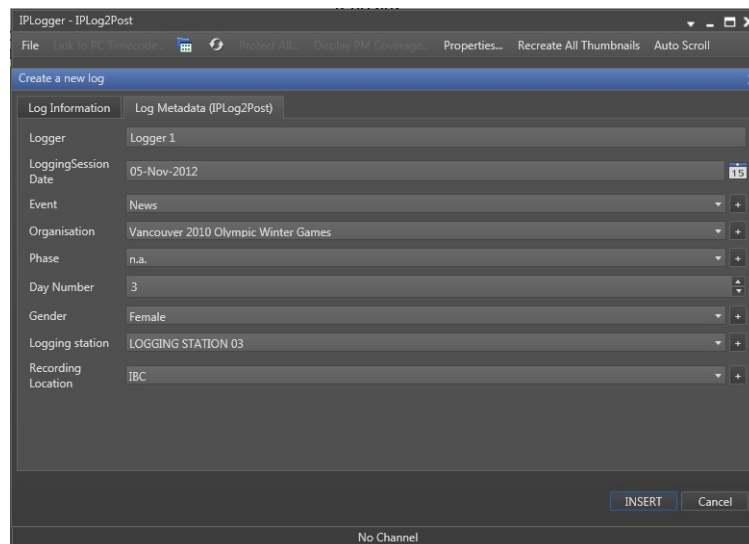
From the logger point of view, there are no extra operations to be performed with IPLog2Post. IPLog2Post just reflects the log session in Avid Interplay.

4.1 IPDirector Logging Session

In IPDirector, the editor performs its logging session in IPLogger with logsheets linked to record train streamed to Avid Interplay: creating, updating or deleting logs. A log is characterized by a Timecode, Interest level, Color, Description and Keywords.



In addition, the editor may append the log metadata of the metadata profile linked to the logsheet definition. All these metadata will be available on Avid side.

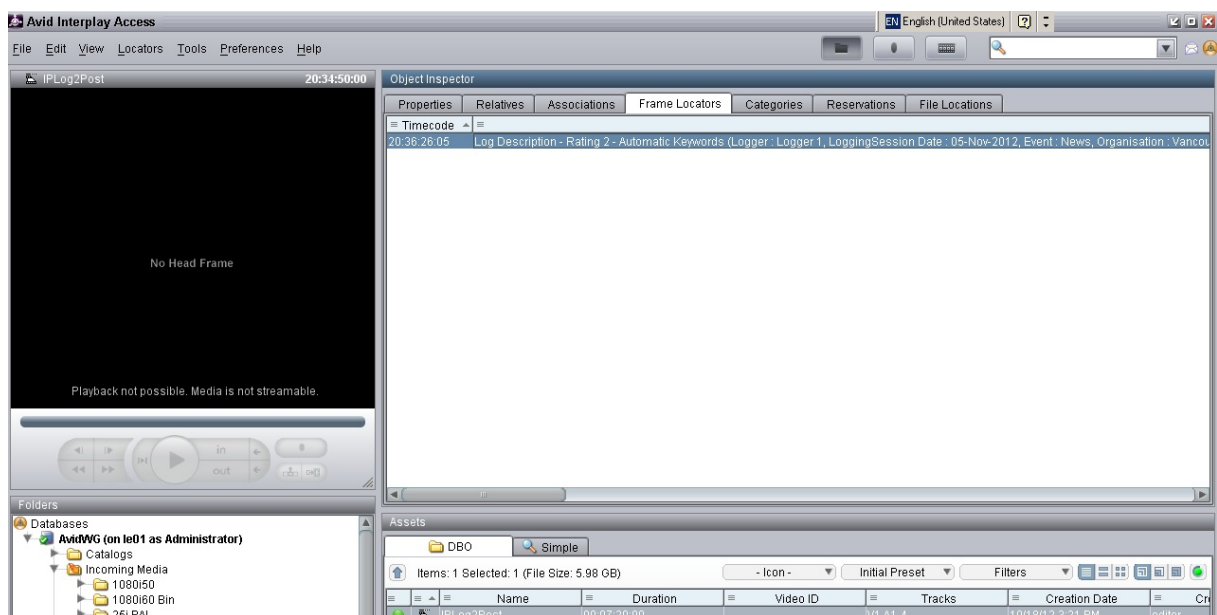


All these operations will then be available, by means IPLog2Post, in Avid Interplay, as it is described in the next section.

4.2 Viewing Logs in Third-Party Systems

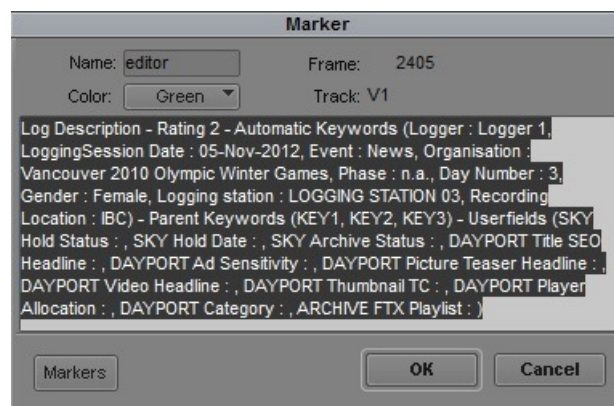
4.2.1 Avid Interplay Access

Viewing the logs in Avid Interplay Access requires the Object Inspector view to be activated. The Frame Locators tab then displays all the logs attached to the media. Refresh the view by pressing **F5**, which makes all new logs available, as represented in the following picture:

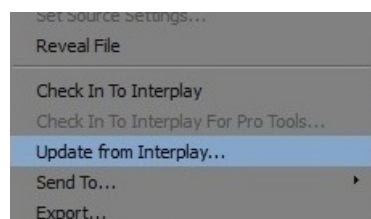


4.2.2 Avid Media Composer

In Avid Media Composer, the logs are available in the Locator window as well as in the time-code ruler below the previewer, as shown in the following picture:



In order to view new logs, right-click on the media in the bin, and select **Update from Interplay**.

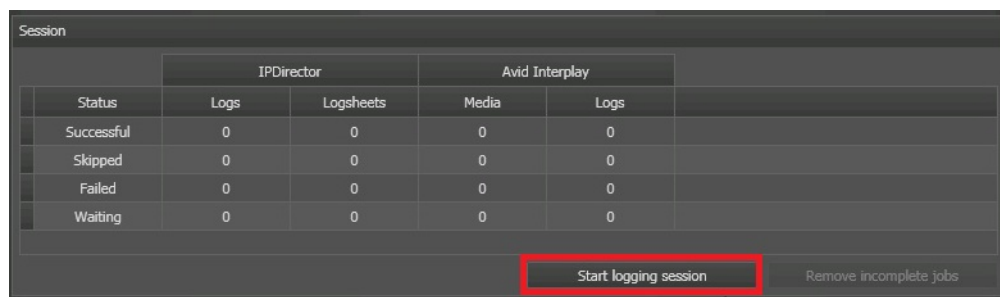


4.3 IPLog2Post Monitoring

4.3.1 Managing Logging Session

Starting Logging Session

To start a login session, click the **Start logging session** button. It launches all services required for IPLog2Post:



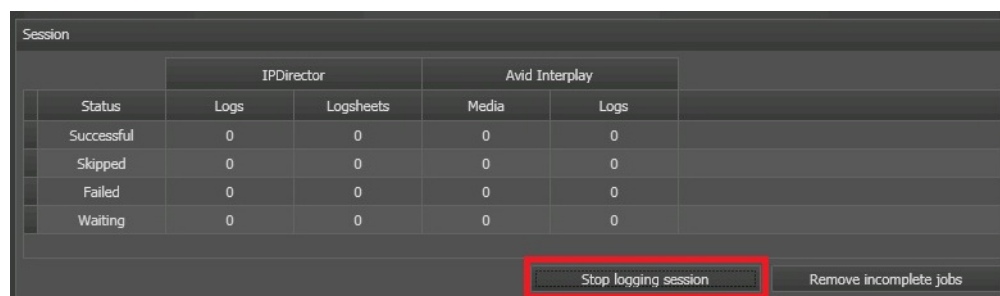
Stopping Logging Session

To stop a logging session, click the **Stop logging session** button. This will stop all services launched for IPLog2Post.

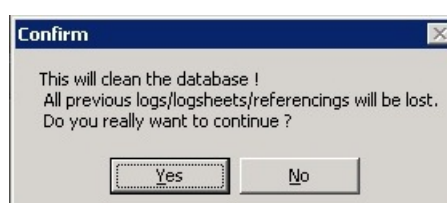


Warning

Beware that all information in the database is deleted when you stop a logging session. This implies that all logs that have not yet been sent to Avid Interplay are lost.

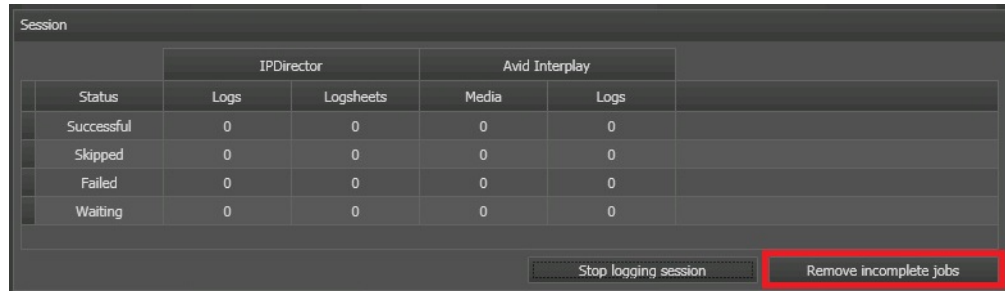


A confirmation is required to stop the logging session:

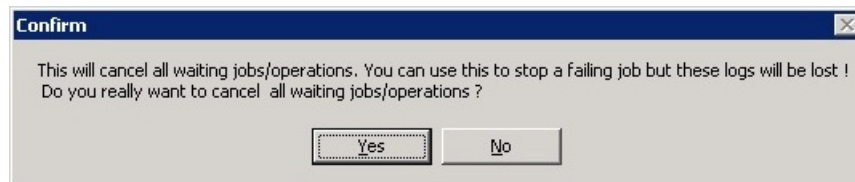


Removing Incomplete Jobs

The user can cancel waiting/failed jobs by clicking the **Remove incomplete jobs** button.



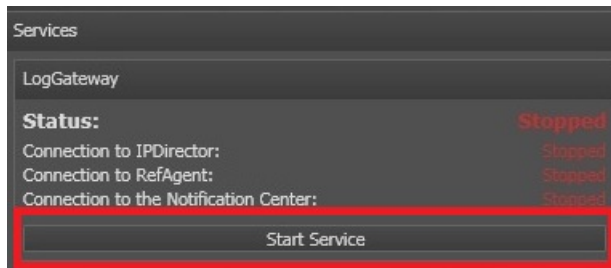
A confirmation is prompted to the user:



4.3.2 Managing Log Gateway

Starting Log Gateway

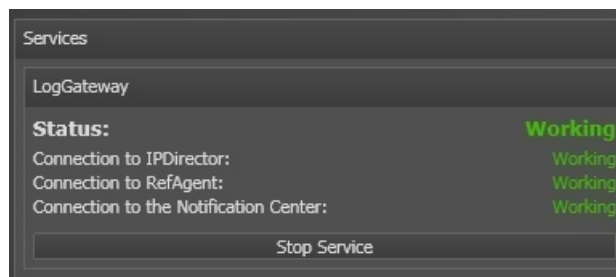
Log Gateway services can be started individually by clicking the **Start Service** button in Log Gateway Services area:



A confirmation is then prompted to the user:

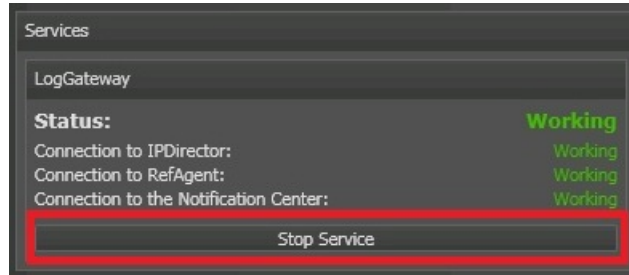


Once the user has clicked **Yes**, the services are started:

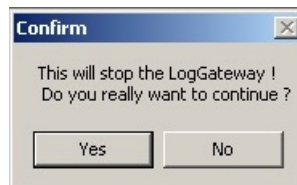


Stopping Log Gateway

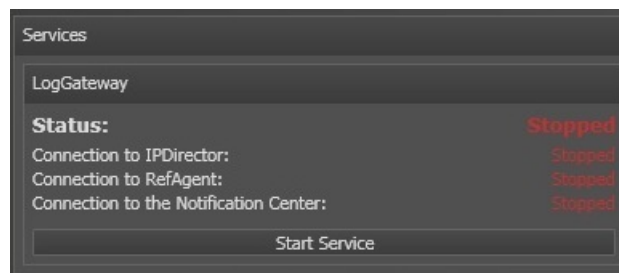
Log Gateway services can be stopped individually by clicking the **Stop Service** button in Log Gateway Services area:



A confirmation is then prompted to the user:



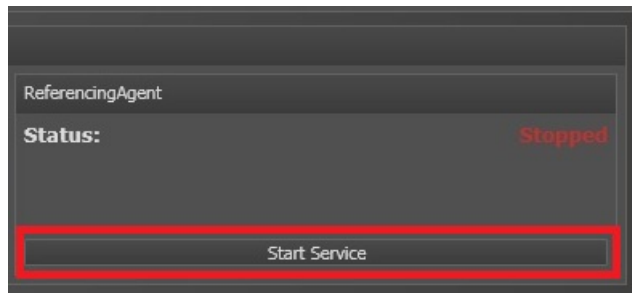
Once the user has clicked **Yes**, the Log Gateway services are stopped:



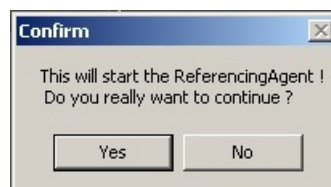
4.3.3 Managing Referencing Agent

Starting Referencing Agent

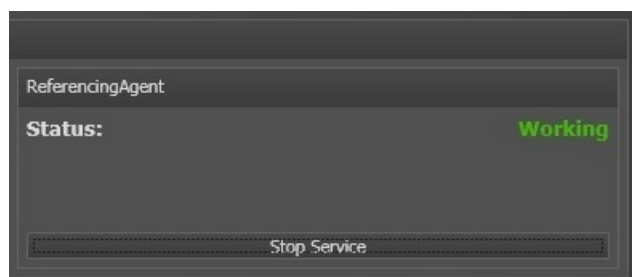
Referencing Agent service can be started individually by clicking the **Start Service** button in Referencing Agent Service area.



A confirmation is then prompted to the user:

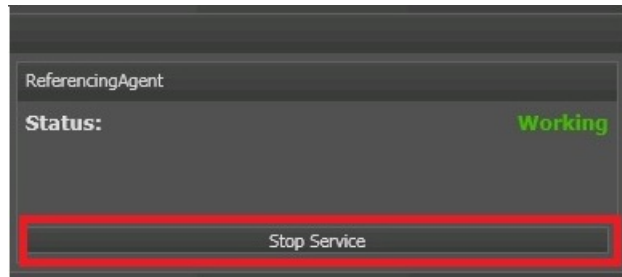


Once the user has clicked **Yes**, the service is started:

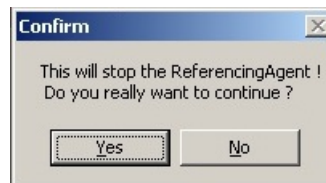


Stopping Referencing Agent

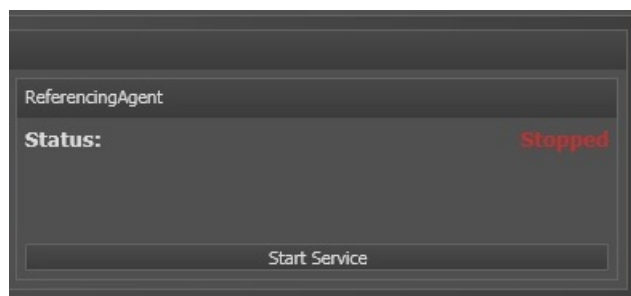
Referencing Agent service can be stopped individually by clicking the **Stop Service** button in Referencing Agent Service area:



A confirmation is then prompted to the user:



Once the user has clicked **Yes**, the Referencing Agent service is stopped:

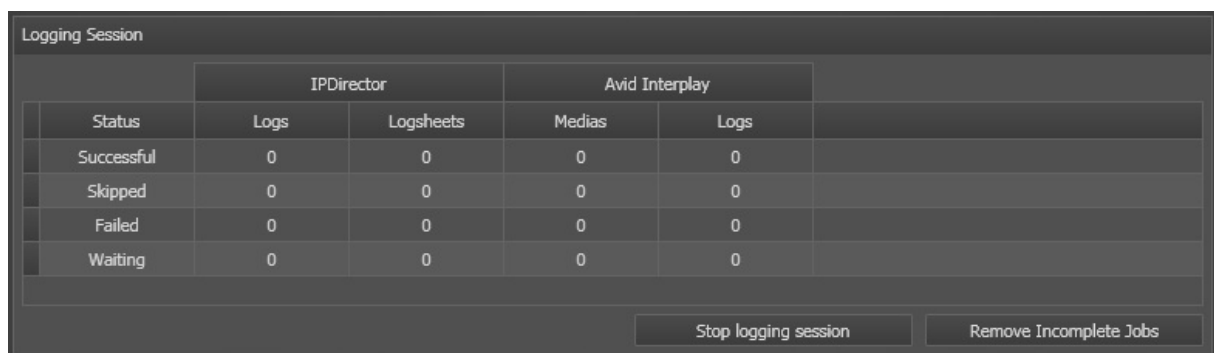


4.3.4 IPLog2Post Statistics

The IPLog2Post monitoring interface gives information about logging session statistics:

- Total of successful, failed, or waiting IPDirector logs
- Total of successful, failed, or waiting IPDirector logsheets
- Total of media referenced in Interplay as successful, failed, or waiting
- Total of successful, failed, or waiting logs submitted to Interplay

These statistics are displayed in the Session area of the monitoring interface, as displayed in the following screenshot:



The screenshot shows a 'Logging Session' window with a table of statistics. The table has columns for Status, Logs, Logsheets, Medias, and Logs. The rows show counts for Successful, Skipped, Failed, and Waiting states. Below the table are two buttons: 'Stop logging session' and 'Remove Incomplete Jobs'.

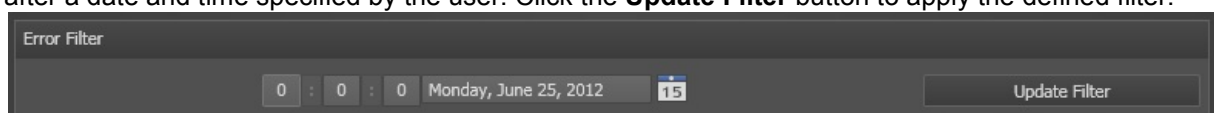
Status	IPDirector		Avid Interplay	
	Logs	Logsheets	Medias	Logs
Successful	0	0	0	0
Skipped	0	0	0	0
Failed	0	0	0	0
Waiting	0	0	0	0

4.3.5 Error Messages

When some elements have failed, the monitoring gives more precise information, on the kind of element that failed. The error information is displayed in the Errors area.

Element	Comment	Error	Date	ID
Log	Comment of the log	Error message	Date of reception of notification	IPDirector Guid
Logsheets	Logsheets and name of logsheet	Error message	Date of reception of notification	IPDirector Guid
Medias	N/A	Error message	Date of referencing	Media Umid
Log Job	Comment of the log	Error message	Creation date of log job	Log IPDirector Guid and Umid

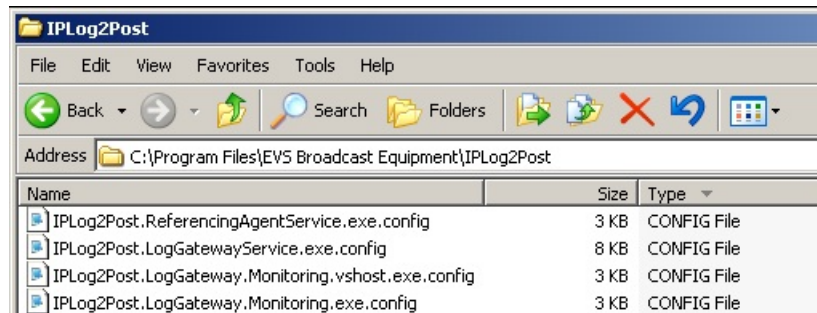
If there are too many error messages, it is possible to filter them and only display messages created after a date and time specified by the user. Click the **Update Filter** button to apply the defined filter:



The screenshot shows an 'Error Filter' window with a date and time picker. The date is set to 'Monday, June 25, 2012' and the time is '15:00:00'. There is an 'Update Filter' button.

5. Configuration Files

Four configuration files are stored in the IPLog2Post folder shown below:

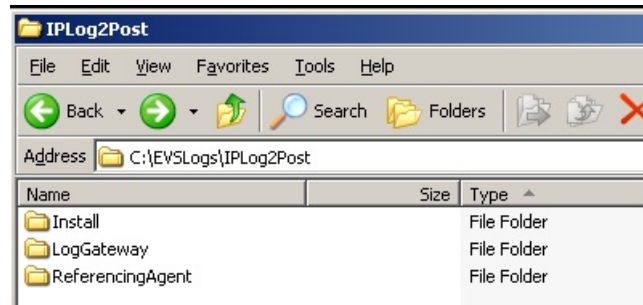


You will find below the list of the configuration parameters for each configuration file:

- IPLog2Post.LogGateway.Monitoring.exe.config:
 - Monitoring refresh frequency
 - Connection to the database (connection string)
- IPLog2Post.LogGateway.Service.exe.config:
 - Information about IPDirector API (User and password)
 - Paths for logs and dumps
 - Information about Avid configuration (User, password, Interplay Web server location, ...).
 - Possibility to assign specific values for requests to the API in order to avoid timeouts.
- IPLog2Post.ReferencingAgentService.exe.config:
 - Path for logs

6. IPLog2Post log files

IPLog2Post produces applicative log files that are stored under C:\EVSLogs\IPLog2Post:



Logs are created relatively to Installation, Log Gateway and Referencing Agent services and stored in dedicated folders.

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