# Automating Production of Cross Media Content for Multi-channel Distribution
## www.AXMEDIS.org

# DE9.1.2
# Mock up for CMS Integration and Feedback

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**Abstract:**
This deliverable is related to the mock up of WP9.2 that has been improved in this period by producing a first real prototype integrated with CAMART, AXDB and therefore also with AXCS.

**Keyword List:**
Administrative data, AXCS, AXDB, CAMART

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# Table of Contents

# 1 Executive Summary and Report Scope

This deliverable is the accompanying document for the Prototype having the name common to the deliverable.

# 2 Introduction

WP9.2 has been improved in this period by producing a first real prototype integrated with CAMART, AXDB and therefore also with AXCS.

The CAMART for statistical analysis that has been included in this prototype has reduced capabilities with respect to that planned in the review of the specification in DE3.1.2.2.15, but it has evidenced that the core infrastructure is working
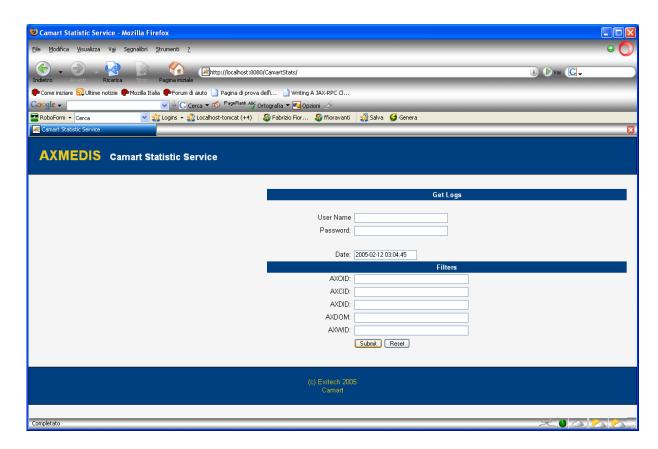
Moreover this prototype is able to perform the following tasks:

- Getting logs coming from AXCS web service
- Organizing such logs in the internal database of the factory
- Generating internal XML format in polling mode (this has been done in order to demonstrate the new internal format
- Generating the XML format provided by one of the partners (ILABS in that case), and publishing at a predefined time frequency the resulting XML in an ftp directory
- The work to be performed yet is not functional but mainly related to refinement, usability and user interface. The work can be summarized in the following points:
  - Generate a user interface for creating user profiles (assign ftp, assign XSLT, etc to each factory user, getting users from the factory)
  - On the basis of the previous point refine the authentication
  - Produce the AII user interface meliorated in terms of usability and uniformity with respect to the other user interface present in the system (this should be discussed in order to have a common user interface in terms of graphics and CSS for all the web application in the AXMEDIS system)
  - Generate also in polling mode an XML format that is transformed according to the profiled XSLT.
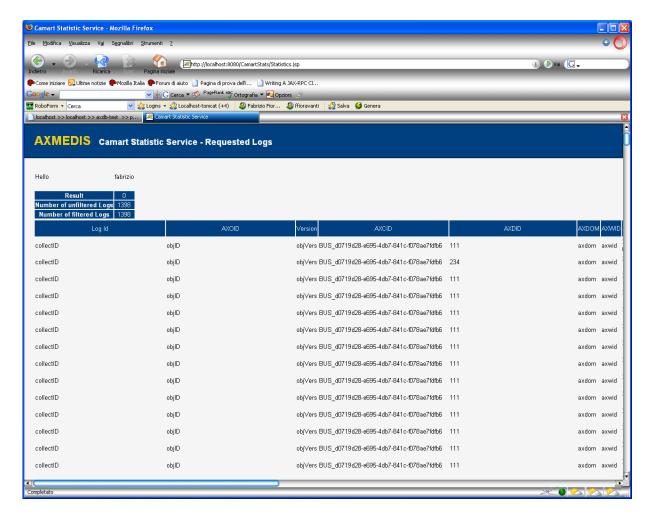
# 3 Prototype Description

The first prototype of the DE 9.1.2 has been produced and presented. In this document a short presentation of the provided system will be given in order to evidence the work done.

The system is divided mainly in two parts, that are the CAMART for statistical analysis, that in its first prototype is quite raw in the statistics provided and in the operators that can be applied.

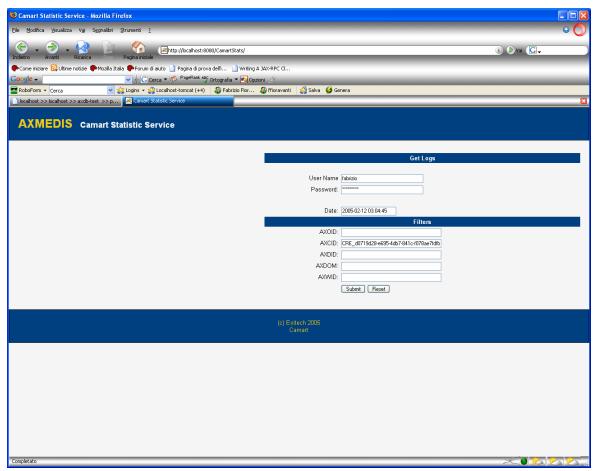The User interface is reported in the following:

Where it can be evidenced that after providing a user name and password and a search criteria in the Date Field, the system will ask for the records contained in the AXCS and after getting such information the record are filtered according to some criteria based on "equal" operator applied to the fields AXOID, AXCID, AXDID, AXDOM, AXWID.
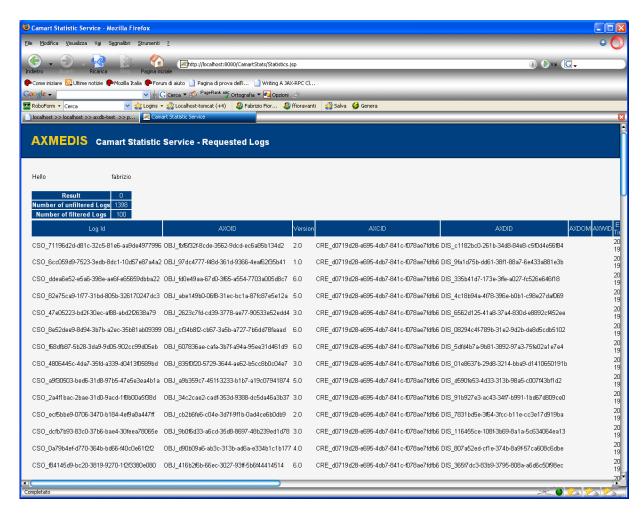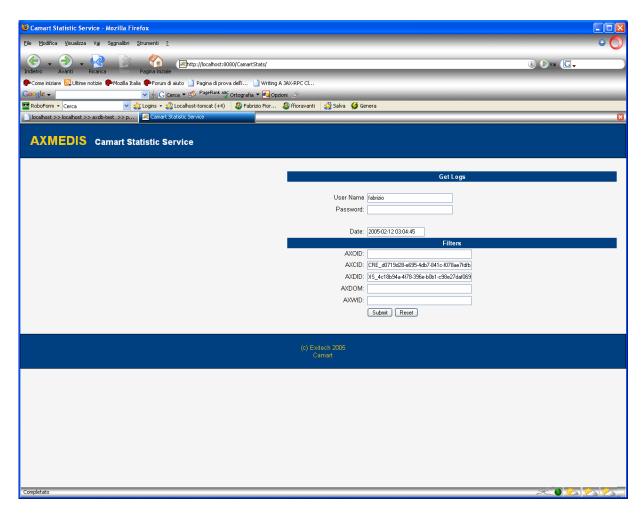If a request without filtering is issued a web page like the following is obtained:

While if a filtering is imposed (AXCID= CRE_d0719d28-e695-4db7-841c-f078ae7fdfb6) as reported in the following picture,

We obtain a different output, where 100 logs on 1398 have been selected for showing:

If also the AXDID is forced to a fixed value as in the following

We obtain only 1 record on 1398, as demonstrated by the following picture:

The new interface that will be provided for the system is more complex and has several advantages as:
- Separate login from data gathering
- More complex filters can be created
- Some high level statistics can be requested

A sample of this new interface under development is reported below:

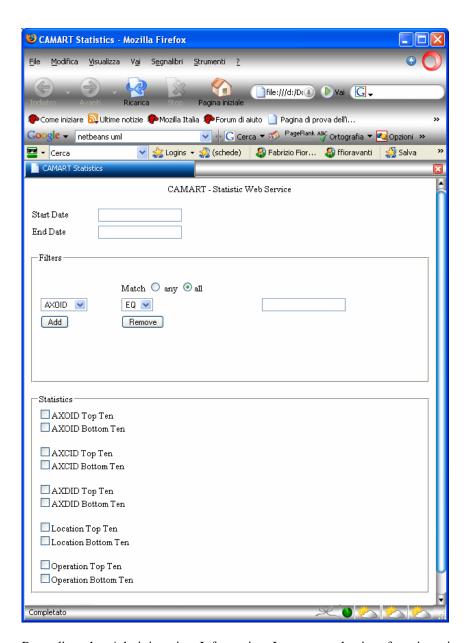Regarding the Administrative Information Integrator, the interface is quite raw, but the functionalities offered are quite stable apart some minor refinement already specified above.

This module is comprised of a daemon that collects info from AXCS and stores logs locally on AXDB for future reuse from AII.

The interface of this daemon is very simple and is reported below:

Once started the interface changes, showing the new status:

This thread runs in background and collects locally the remote logs.

Regarding the Administrative Information Integrator seen from the user perspective, the User after a login with authentication and authorization phase is bring to the following User Interface that allows to:

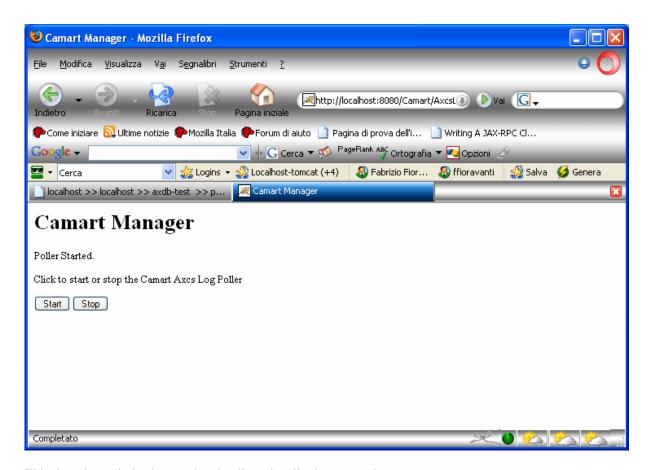- Configure the AII for the logged user, giving him the chance to select a CMS style and the FTP URL where the logs will be transferred after each data pushing
- Configure the time intervals in minutes between two pushing of data and enabling or disabling pushing
- Poll raw data or formatted data in the case the user has already saved a configuration

The system will push data in the configured ftp URL at the predefined interval in the format specified in DE 3.1.2.2.15 after getting them from the remote AXCS. In the case of polling the data in XML (formatted or unformatted) will be presented on the screen allowing the user to manually save the file for his own purposes and allowing him to use it immediately. The system tracks the time at which a log has been requested in order to avoid multiple gathering of the same data.

If the user has not chosen the configuration the general format is displayed, if the Poll now button is pressed:

Il file XML specificato apparentemente non ha un foglio di stile associato. L'albero del documento è mostrato di seguito.

```
- <AIIReport xsi:noNamespaceSchemaLocation="C:\Documents and Settings\giacomo\Documenti\Axmedis\AIIRecord_v1-1.xsd">
  - <reportDate>
      <startDate>2005-02-12 03:05:00.0</startDate>
      <endDate>2005-06-16 13:50:15.0</endDate>
    </reportDate>
  - <AIIRecord>
      <logId>1234</logId>
      <executionTimestamp>2005-02-12 03:05:00.0</executionTimestamp>
      <registrationTimestamp>2005-02-12 03:05:00.0</registrationTimestamp>
      <AXOID>vvvvvvvvvv</AXOID>
      <AXUID>ccccccccc</AXUID>
      <AXDID>ccccccccccccccccccc</AXDID>
      <AXLID>xxxxxxxxxxxxxxxxxxxxxxx</AXLID>
      <device>xxxxxxxxxxxxx</device>
      <operation>1</operation>
      <location>vvfdfd</location>
      <ISRC/>
      <objectCode/>
    </AIIRecord>
  - <AIIRecord>
      <logId>1</logId>
      <executionTimestamp>2005-02-12 03:05:45.0</executionTimestamp>
      <registrationTimestamp>2005-06-16 13:50:15.0</registrationTimestamp>
      <AXOID>objID</AXOID>
      <AXUID>axuid</AXUID>
      <AXDID>111</AXDID>
      <AXLID>axlid</AXLID>
      <device>EstimatedFingeprint</device>
      <operation>333</operation>
      <location>loc</location>
      <ISRC/>
      <objectCode/>
    </AIIRecord>
  - <AIIRecord>
      <logId>2</logId>
      <executionTimestamp>2005-06-09 14:43:42.0</executionTimestamp>
      <registrationTimestamp>2005-06-16 13:50:15.0</registrationTimestamp>
```

While after the configuration  the format defined for CMS1 will appear:

# 4   Bibliography

DE 9.1.1 Specification of CMS integration and feedback
DE3-1-2-2-15 Specification of AXMEDIS Accounting and Reporting