



Automating Production of Cross Media Content for Multi-channel Distribution

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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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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:

The screenshot shows a Mozilla Firefox browser window displaying the 'Camart Statistic Service' web application. The browser's address bar shows the URL 'http://localhost:8080/CamartStats/'. The application has a blue header with the 'AXMEDIS Camart Statistic Service' logo. Below the header, there is a 'Get Logs' section with input fields for 'User Name', 'Password', and 'Date' (set to '2005-02-12 03:04:45'). Below this is a 'Filters' section with five input fields labeled 'AXOID:', 'AXCID:', 'AXDID:', 'AXDOM:', and 'AXWID:'. At the bottom of the filters section are 'Submit' and 'Reset' buttons. The footer of the application displays '(c) Exitech 2005 Camart'. The browser's status bar at the bottom shows 'Completato'.

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:

Camart Statistic Service - Requested Logs

Hello fabrizio

Result	0
Number of unfiltered Logs	1398
Number of filtered Logs	1398

Log Id	AXOID	Version	AXCID	AXDID	AXDOM	AXWID
collectID	objID	objVers	BUS_d0719d28-e695-4db7-841c-f078ae7fdb6	111	axdom	axwid
collectID	objID	objVers	BUS_d0719d28-e695-4db7-841c-f078ae7fdb6	234	axdom	axwid
collectID	objID	objVers	BUS_d0719d28-e695-4db7-841c-f078ae7fdb6	111	axdom	axwid
collectID	objID	objVers	BUS_d0719d28-e695-4db7-841c-f078ae7fdb6	111	axdom	axwid
collectID	objID	objVers	BUS_d0719d28-e695-4db7-841c-f078ae7fdb6	111	axdom	axwid
collectID	objID	objVers	BUS_d0719d28-e695-4db7-841c-f078ae7fdb6	111	axdom	axwid
collectID	objID	objVers	BUS_d0719d28-e695-4db7-841c-f078ae7fdb6	111	axdom	axwid
collectID	objID	objVers	BUS_d0719d28-e695-4db7-841c-f078ae7fdb6	111	axdom	axwid
collectID	objID	objVers	BUS_d0719d28-e695-4db7-841c-f078ae7fdb6	111	axdom	axwid
collectID	objID	objVers	BUS_d0719d28-e695-4db7-841c-f078ae7fdb6	111	axdom	axwid
collectID	objID	objVers	BUS_d0719d28-e695-4db7-841c-f078ae7fdb6	111	axdom	axwid
collectID	objID	objVers	BUS_d0719d28-e695-4db7-841c-f078ae7fdb6	111	axdom	axwid
collectID	objID	objVers	BUS_d0719d28-e695-4db7-841c-f078ae7fdb6	111	axdom	axwid
collectID	objID	objVers	BUS_d0719d28-e695-4db7-841c-f078ae7fdb6	111	axdom	axwid

While if a filtering is imposed (AXCID= CRE_d0719d28-e695-4db7-841c-f078ae7fdb6) as reported in the following picture,

The screenshot shows a Mozilla Firefox browser window with the address bar set to `http://localhost:8080/CamartStats/`. The page title is "Camart Statistic Service". The main content area has a blue header with the "AXMEDIS" logo and the text "Camart Statistic Service". Below the header, there is a "Get Logs" section with a form containing the following fields:

- User Name:
- Password:
- Date:

Below the "Get Logs" section, there is a "Filters" section with the following fields:

- AXOID:
- AXCID:
- AXDID:
- AXDOM:
- AXWID:

At the bottom of the "Filters" section, there are two buttons: "Submit" and "Reset". The footer of the page contains the text "(c) Exitech 2005 Camart". The browser's status bar at the bottom shows the word "Completato".

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

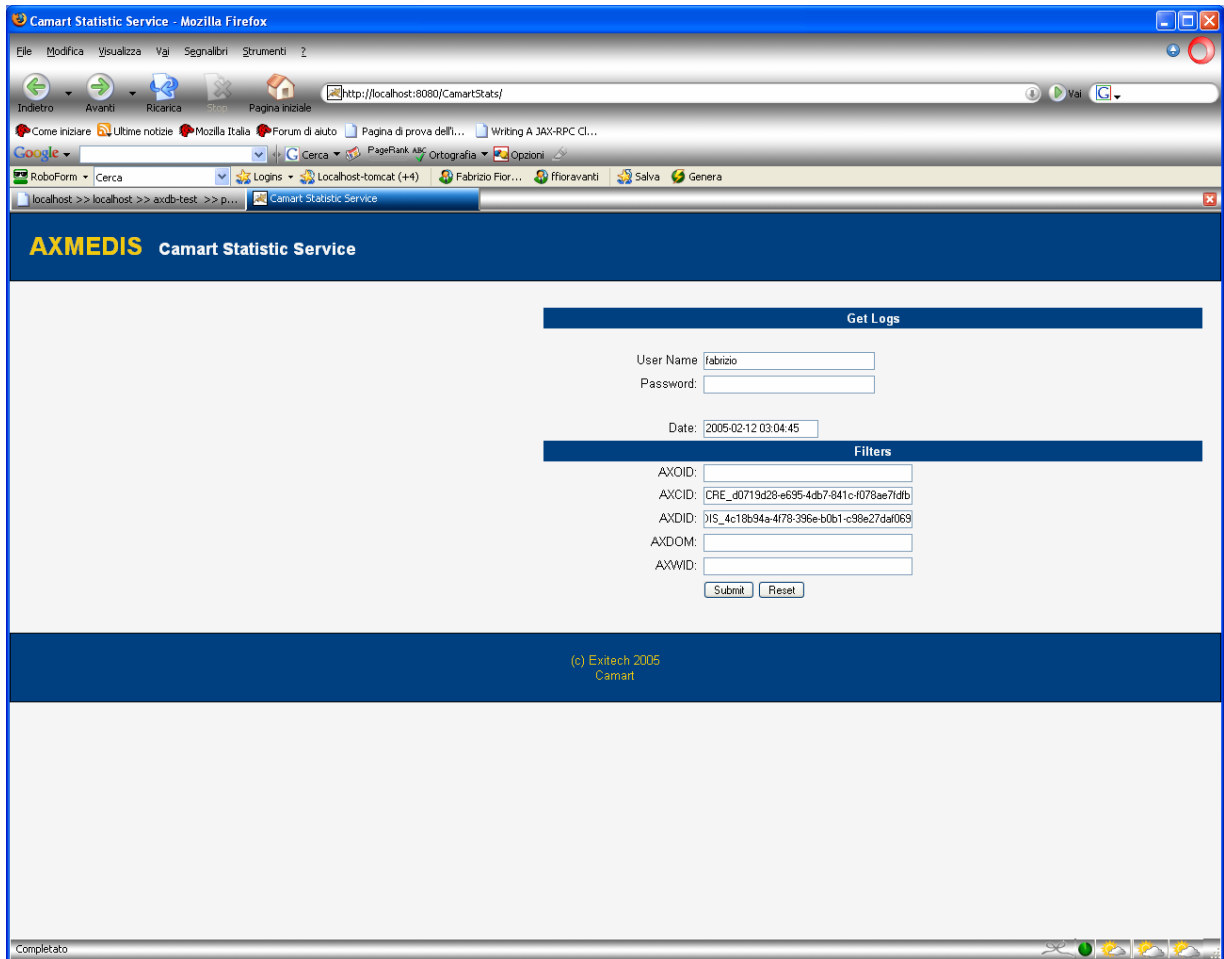
AXMEDIS Camart Statistic Service - Requested Logs

Hello fabrizio

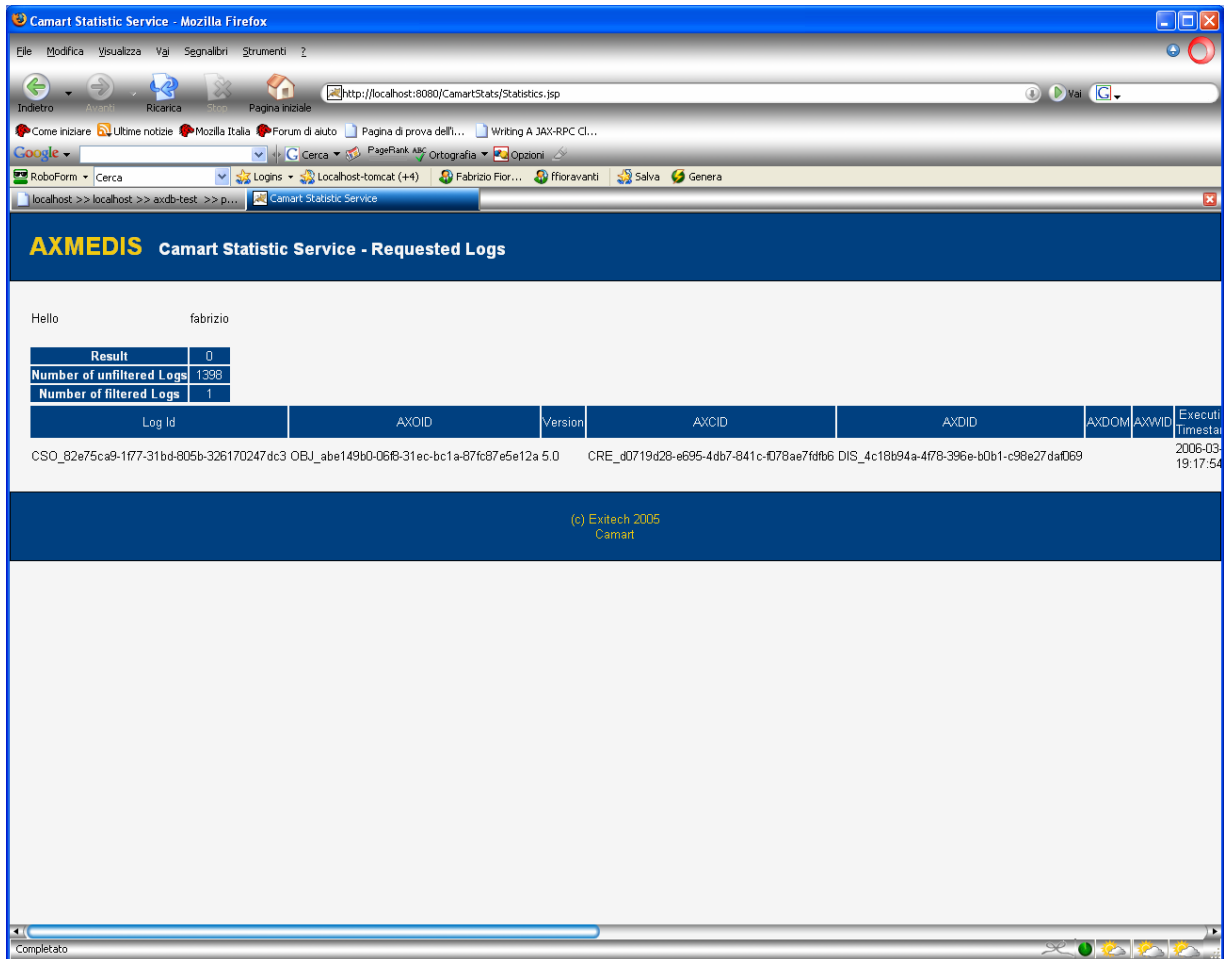
Result	0
Number of unfiltered Logs	1398
Number of filtered Logs	100

Log Id	AXOID	Version	AXCID	AXDID	AXDOM	AXWID
CSO_71196d2d-d81c-32c5-81e6-aa9de4977996	OBJ_ftb632f8cde-3562-9dcd-ec5a85b134d2	2.0	CRE_d0719d28-e695-4db7-841c-078ae7fdb6	DIS_c1182bc0-261b-34d8-84e8-c50d4e56b4		
CSO_6cc059d9-7523-3edb-8dc1-10d57e97a4a2	OBJ_97dc4777-f48d-361d-9366-4ea6205b41	1.0	CRE_d0719d28-e695-4db7-841c-078ae7fdb6	DIS_9fa1d75b-dd61-38f1-88a7-6e433a881e3b		
CSO_ddea9e52-e5a6-398e-ae6f-e65659dbba22	OBJ_f00e49aa-67d0-3f65-a554-7703a005d8c7	6.0	CRE_d0719d28-e695-4db7-841c-078ae7fdb6	DIS_335b41d7-173e-3ffe-a027-fc526e646f18		
CSO_82e75ca9-1f77-31bd-805b-326170247dc3	OBJ_abe149b0-06b8-31ec-bc1a-87fe87e5e12a	5.0	CRE_d0719d28-e695-4db7-841c-078ae7fdb6	DIS_4c18b94a-47b8-396e-b0b1-c98e27da0d69		
CSO_47e05223-bd2f-30ec-a0b8-abd20638a79	OBJ_2623c7fd-cd39-3778-ae77-90533e52edd4	3.0	CRE_d0719d28-e695-4db7-841c-078ae7fdb6	DIS_6562d125-41a8-37a4-830d-e8892cf452ee		
CSO_8e52dee9-8d94-3b7b-a2ec-35b81ab09399	OBJ_c034b8f2-cb67-3a5b-a727-7b6dd78faaad	6.0	CRE_d0719d28-e695-4db7-841c-078ae7fdb6	DIS_08294c4f-789b-31e2-9d2b-de8d5cdeb5102		
CSO_f68dfb87-5b28-3da9-9d05-902c99d05eb	OBJ_607836ae-cafa-3b7f-a94a-95ee31d461d9	6.0	CRE_d0719d28-e695-4db7-841c-078ae7fdb6	DIS_5df4b7a-9b81-3892-97a3-75fe02a1e7e4		
CSO_4806445c-4da7-35fd-a339-d04130589bd	OBJ_835f020-5729-3644-ae62-b5cc8b0c04e7	3.0	CRE_d0719d28-e695-4db7-841c-078ae7fdb6	DIS_01e8637b-29d8-3214-bb49-d1410650191b		
CSO_a9f0503-bed6-31d8-97b5-47e5e3ea4b1a	OBJ_a9b359c7-451f-3233-b1b7-a19c07941874	5.0	CRE_d0719d28-e695-4db7-841c-078ae7fdb6	DIS_d590fe53-4d33-313b-98a5-c007f43bf1d2		
CSO_2a4f1bac-2bae-31d0-9acd-1f0b00a509d	OBJ_34c2cae2-cadf-353d-9388-dc5da46a3b37	3.0	CRE_d0719d28-e695-4db7-841c-078ae7fdb6	DIS_91b827e3-ac43-34f7-b991-1bd67d809ce0		
CSO_ec5bbe9-0706-3470-b184-4e9a8a447f	OBJ_cb2b6fe6-c04e-3d7f-9f1b-0ad4ce6b0db9	2.0	CRE_d0719d28-e695-4db7-841c-078ae7fdb6	DIS_7831bd5e-3f64-3fcc-b11e-cc3e17d919ba		
CSO_dcfb7b93-83c0-37b6-bae4-30feea78065e	OBJ_9b0f6d33-a6cd-35d8-8697-48b239ed1d78	3.0	CRE_d0719d28-e695-4db7-841c-078ae7fdb6	DIS_116455ce-108f-3b69-8a1a-5c634064ea13		
CSO_0a79b4ef-d770-364b-bd66-f40c0e61f22	OBJ_d90b09a6-ab3c-313b-ad6a-e334b1c1b177	4.0	CRE_d0719d28-e695-4db7-841c-078ae7fdb6	DIS_807a52ed-cf1e-374b-8a9f-57ca608c6db6		
CSO_f84145d9-bc20-3819-9270-1f2f380e080	OBJ_416b2f6b-66ec-3027-93ff-5b6f44414514	6.0	CRE_d0719d28-e695-4db7-841c-078ae7fdb6	DIS_365f7dc3-83b9-3795-808a-a6dbec50f8ec		

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



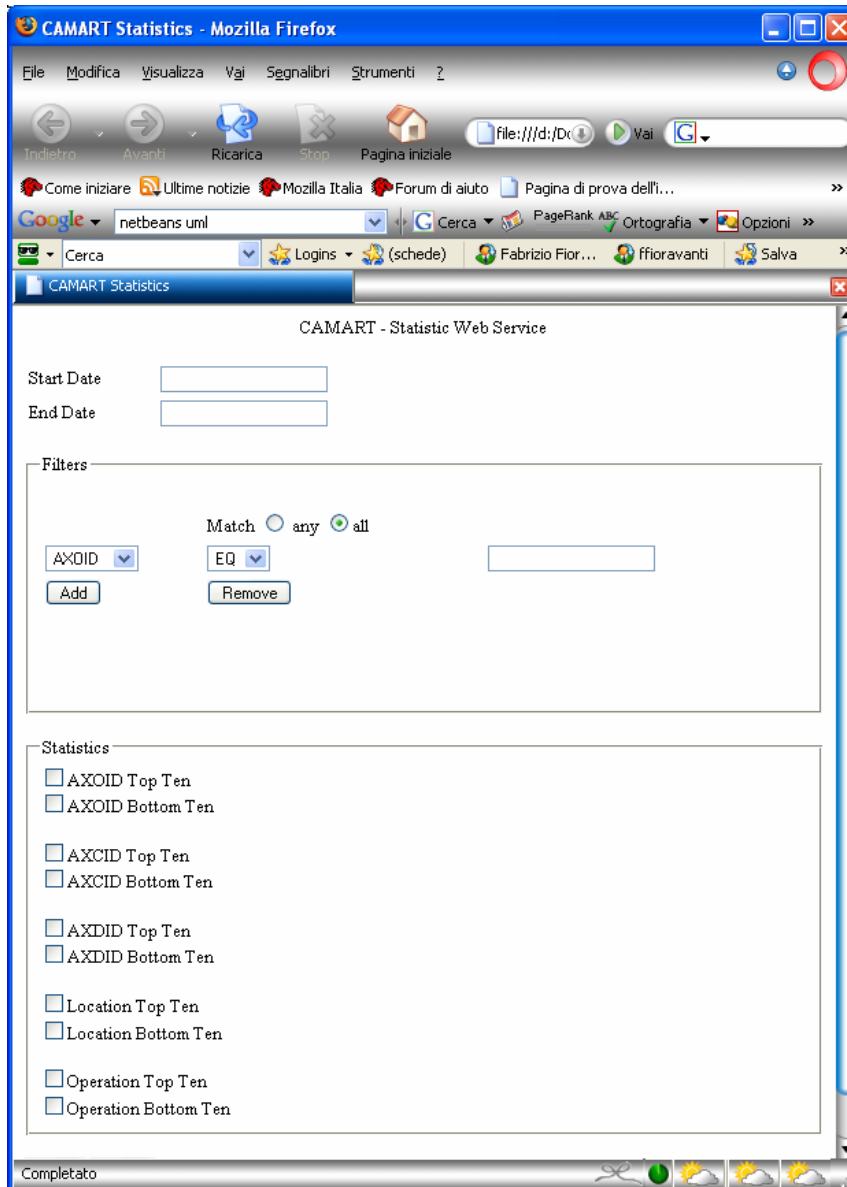
We obtain only 1 record on 1398, as demonstrated by the following picture:



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

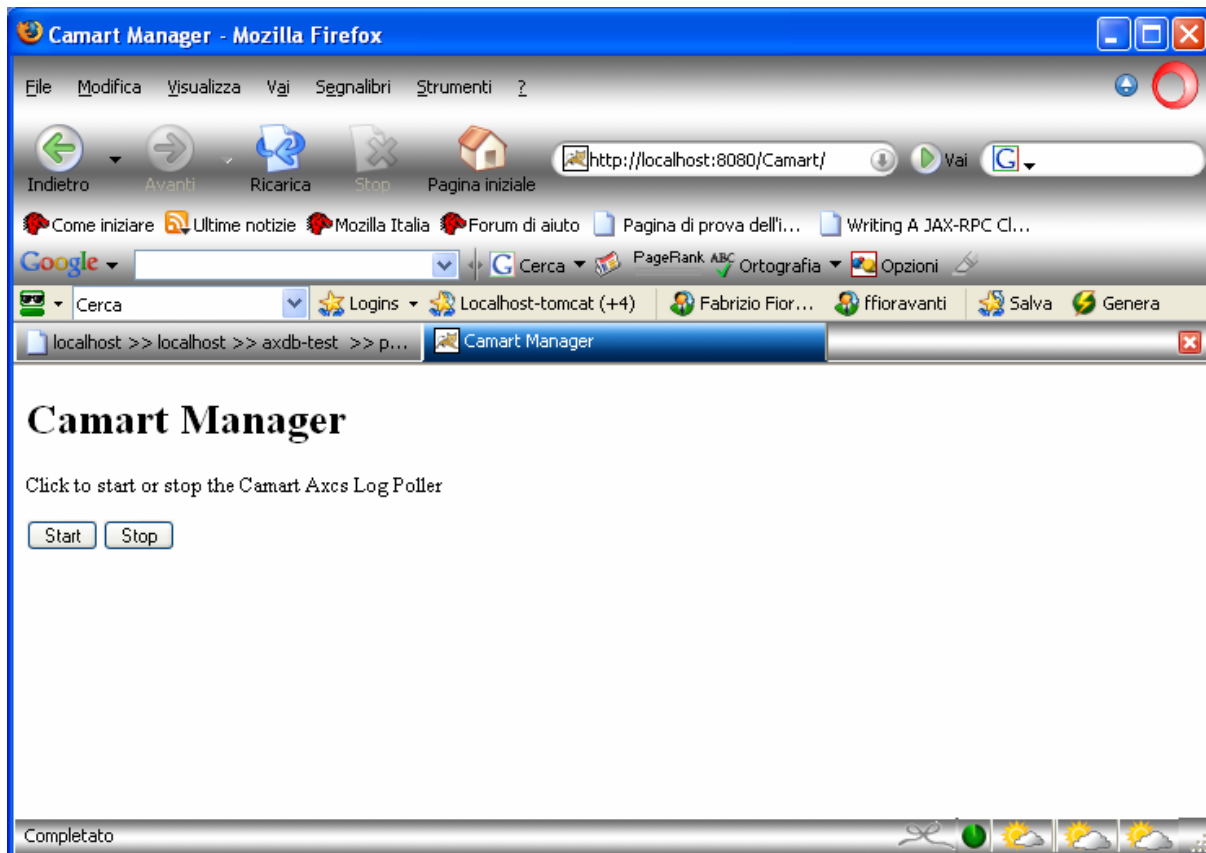
A sample of this new interface under development is reported below:



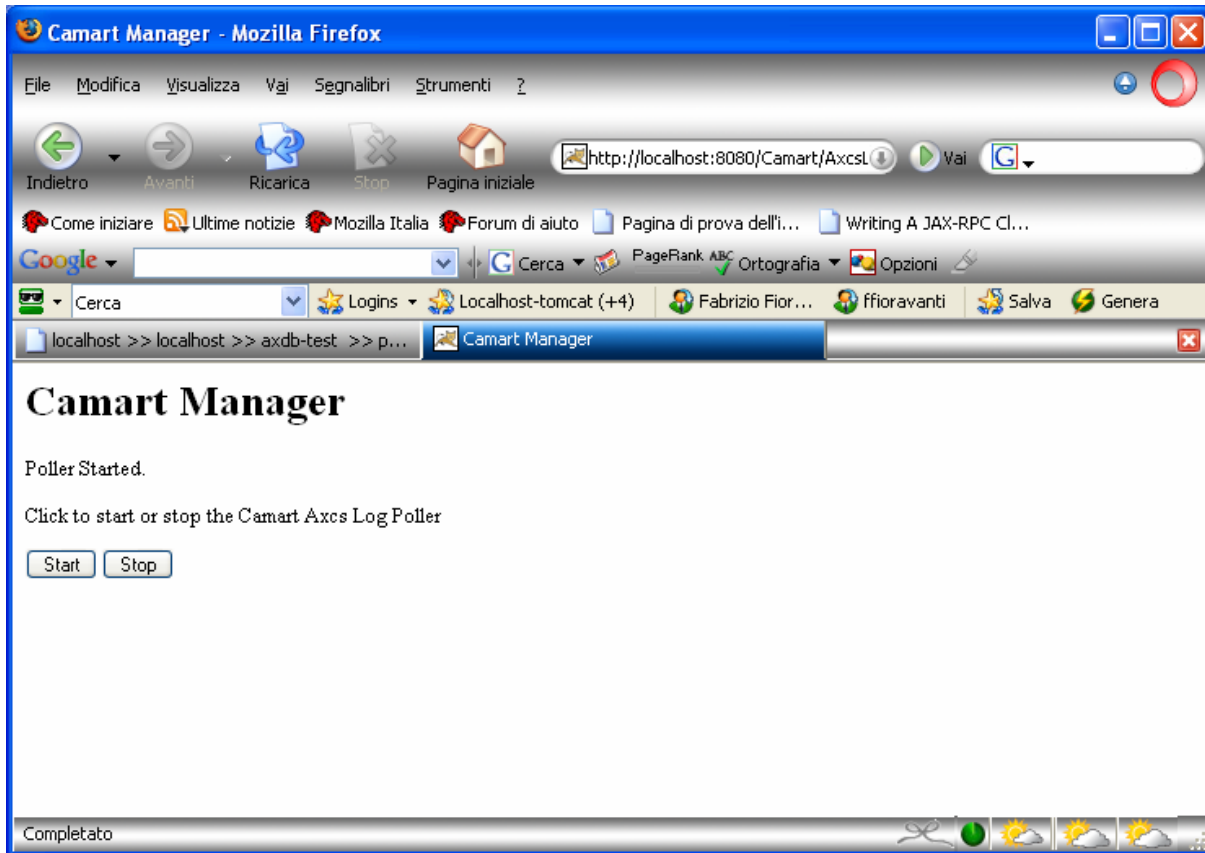
Regarding the Administrative Information Integrator, the interface is quite raw, but the functionalities offered are quite stable apart some minor refinement already specified above.

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:



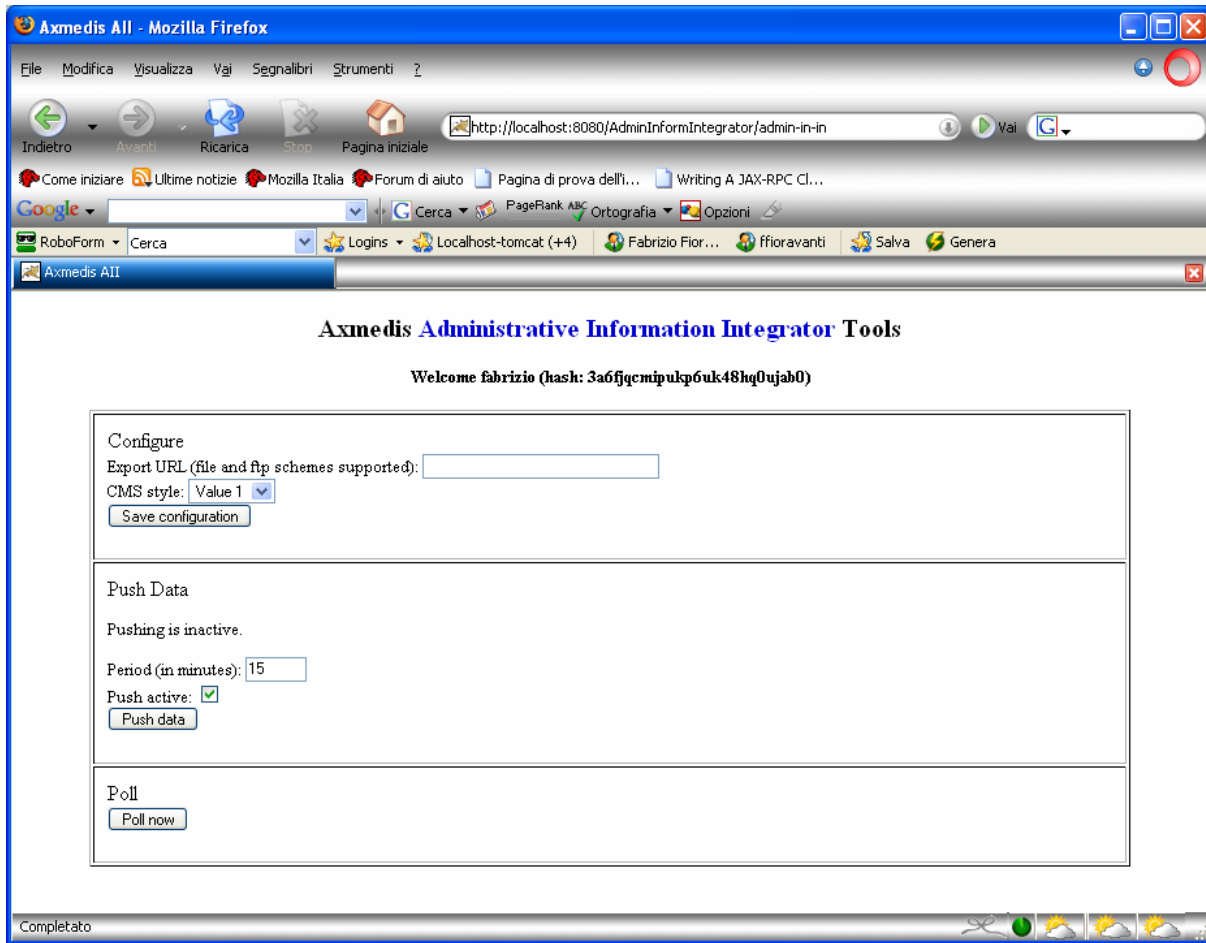
Once started the interface changes, showing the new status:



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

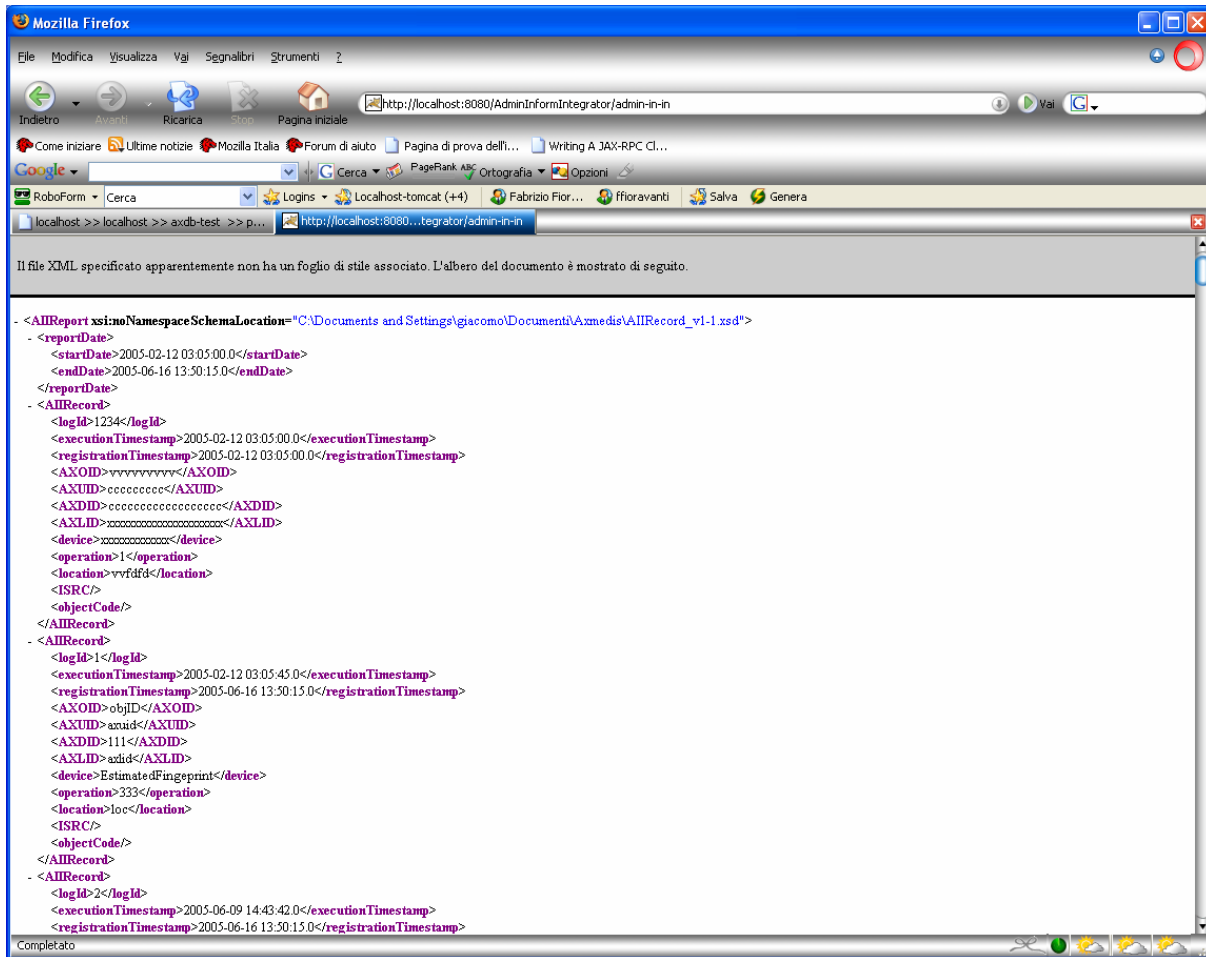
Regarding the Administrative Information Integrator seen from the user perspective, the User after a login with authentication and authorization phase is bring to the following User Interface that allows to:

- 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

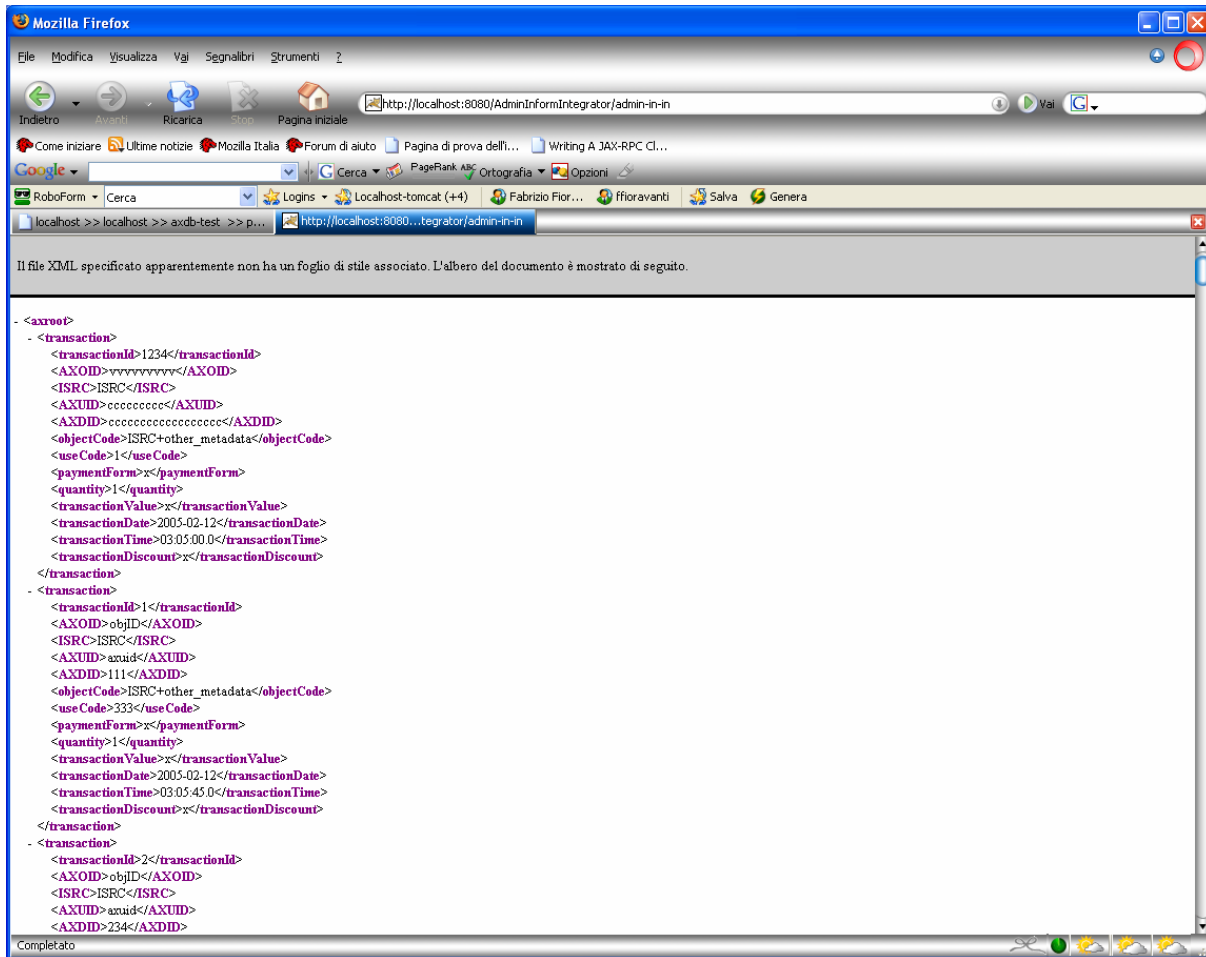


The system will push data in the configured ftp URL at the predefined interval in the format specified in DE 3.1.2.2.15 after getting them from the remote AXCS. In the case of polling the data in XML (formatted or unformatted) will be presented on the screen allowing the user to manually save the file 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:



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