

Control & Configuration UI

Overview

The TOSCA-MP Control & Configuration GUI is a web-based user interface that enables the user to check the status of DRF modules, to select content and a configuration for an analysis process, to start analysis processes and monitor them.

The GUI is structured by a tabbed view. Each tab is dedicated to one main use case. The TOSCA-MP Control & Configuration GUI is a web-application, thus only a web browser is needed on the client side. Deployment to a server is realised by means of a WAR file.

In depth description

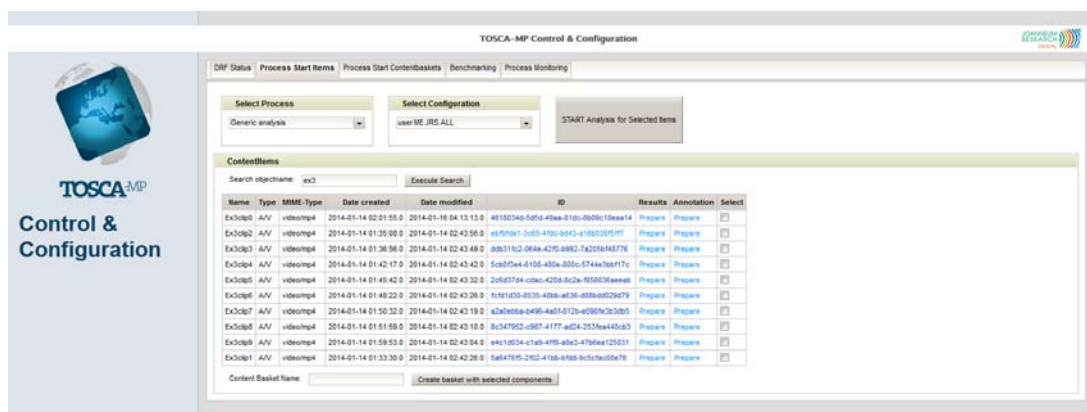
DRF status

A table shows the name, the type, the URL and the status of the DRF main module and all connected local modules.

Processing items

The processing tab, shown in Figure 9, provides functionality for selecting workflows, their parameters and for selecting the content objects to be processed. Selected objects can also be grouped to content baskets..

- Select one available analysis process
- Select one configuration. Only those configurations which belong to the selected process will be suggested to the user.
- Find content objects by name on all accessible DRF modules
- Present the search result within a table
- Allow selecting several content objects at once and start the selected analysis process with them
- Download, prepare and present results of one content object within the AVDP viewer (see Section 0)
- Invoke the interactive manual annotation tool for one content object
- Allow to define the name of a new content basket and select several content objects to assign them to the new content basket.



The screenshot displays the 'TOSCA-MP Control & Configuration' web application. The 'Process Start Items' tab is active, showing a search interface for content items. The search criteria are 'Generic analysis' and 'user:RE_IRS.ALL'. A 'START Analysis for Selected Items' button is visible. Below the search bar is a table of content items with columns for Name, Type, MIME-Type, Date created, Date modified, ID, Results, Annotation, and Select. The table contains 11 rows of data, each representing a content item with its respective details and a checkbox for selection.

Name	Type	MIME-Type	Date created	Date modified	ID	Results	Annotation	Select
Ex30b0	AVV	video/mp4	2014-01-14 02:01:55.0	2014-01-14 02:43:13.0	4f180340-5d5d-4f8a-81d0-b209c10ea14	Prepare	Prepare	<input type="checkbox"/>
Ex30b1	AVV	video/mp4	2014-01-14 01:38:58.0	2014-01-14 02:43:56.0	e8f9f8e-3d82-4c9c-9a4d-c1f8c2050f7f	Prepare	Prepare	<input type="checkbox"/>
Ex30b2	AVV	video/mp4	2014-01-14 01:38:58.0	2014-01-14 02:43:48.0	88b31d2-864a-4376-b892-7a20594e2778	Prepare	Prepare	<input type="checkbox"/>
Ex30b4	AVV	video/mp4	2014-01-14 01:42:17.0	2014-01-14 02:43:42.0	5a075ae-d168-485a-805c-8744c3a8f71c	Prepare	Prepare	<input type="checkbox"/>
Ex30b5	AVV	video/mp4	2014-01-14 01:45:42.0	2014-01-14 02:43:32.0	2a027594-c0ac-4259-8c2a-953036ee66	Prepare	Prepare	<input type="checkbox"/>
Ex30b6	AVV	video/mp4	2014-01-14 01:48:22.0	2014-01-14 02:43:28.0	1e16103-8038-486a-a036-889a0029679	Prepare	Prepare	<input type="checkbox"/>
Ex30b7	AVV	video/mp4	2014-01-14 01:50:32.0	2014-01-14 02:43:19.0	8c2a06ba-8496-4a01-812a-e0959c7e3b85	Prepare	Prepare	<input type="checkbox"/>
Ex30b8	AVV	video/mp4	2014-01-14 01:51:58.0	2014-01-14 02:43:18.0	8c247993-e987-4177-ad24-2531ea445b83	Prepare	Prepare	<input type="checkbox"/>
Ex30b8	AVV	video/mp4	2014-01-14 01:58:53.0	2014-01-14 02:43:84.0	44c18034-c1a8-49f6-a86c-476faa125031	Prepare	Prepare	<input type="checkbox"/>
Ex30b1	AVV	video/mp4	2014-01-14 01:33:30.0	2014-01-14 02:42:28.0	5a047816-2002-4188-8168-8d8c8e8d5676	Prepare	Prepare	<input type="checkbox"/>

Figure 9: Tab „Process Start Items“ – Select process, configuration and start an analyse process for each selected content item

Processing using content baskets

The processing tab for content baskets provides similar functionality as the processing tab, but works on content baskets.

- Select one available analysis process
- Select one configuration. Only those configurations which belong to the selected process will be suggested to the user.
- Find content baskets by name
- Present the search result within a table
- Allow to select several content baskets at once and start the selected analysis process with them. For each item in a selected content basket one analysis process will be started
- Allow to define the name of a new content basket and select several content objects to assign them to the new content basket.

Process monitoring

- Present all running processes in a tree-view
- Show graph of a selected running process and highlight the service which is currently being processed
- Allow to delete a running process
- Display the last started or deleted process

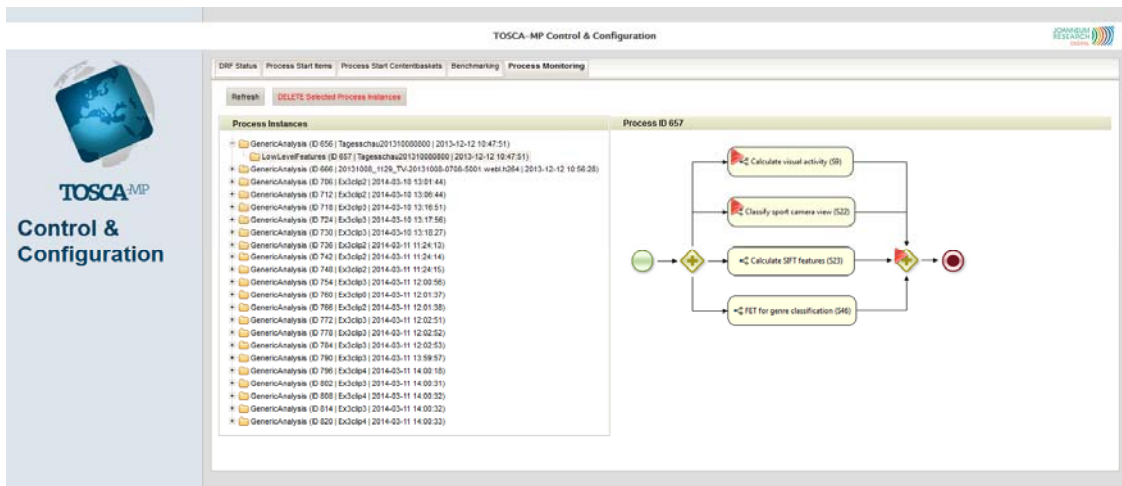


Figure 10: Tab „Process Monitoring“: Shows the status of all running processes

Potential fields of Application

The tool UI serves as a central interface for controlling and monitoring distributed repositories and automatic content analysis. The web application implements currently interfaces to the TOSCA-MP Distributed Repository Framework and Metadata Production and Management Framework. However, it can be adapted to work with other components providing similar functionality.

Possibilities for exploitation

The components can be licensed to on a bilateral basis, either as an add-on to the MPMF, or separately. In the latter case it is expected that this would include contracting JRS to implement the interfaces to the customer's repository and workflow engine components.

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