

SAP BW Process Chain Start Tool

Allow users to start process chains with execution parameters

Challenge

More and more complex and time taking parametrized tasks are triggered by end users. End users want to have a stable web-based environment enabling to execute and monitor their jobs asynchronous and synchronous. Handling these tasks should concern the well-known patterns of SAP BW.

System owners gain a stable environment in order to achieve high performant and stable services to their customers. As a matter of fact provided services should never have a negative impact on ongoing processes and should be controlled and authorized separately.

End user triggered process chains with monitoring option fulfil requirements of system administrators and end users.

Motivation

A framework that enables end users to trigger parametrized process chains within a controlled web-based framework reusing SAP BW objects.

- **Enable triggering process chains by end users**
- **Enable end users to monitor their processes**
- **Enable end users to parametrized their executions**
- **Reuse Variables of SAP BW Bex Queries or Filters to push parameters to process chains and handle authorizations**
- **Control amount of end user triggered process chains by customized setup**
- **Satisfy your customer with a new service**

Provide a controlled service to allow end users to trigger and monitor process chains via web frontend.

Features and functions

The "ZPARTNER SAP BW process chain start tool" allows to start process chains via web frontend. It controls number of executions at one time and queues already running process chains triggered by the same or triggered by other users. The number of parallel runs can be controlled via customizing.

Furthermore it is possible to push parameters down to the triggered process chain instance, which are maintained by users based on value helps of standard SAP BW Bex Query Variables within a SAP BW Bex Query or Filter.

Run ID	STATUS	Benutzer	Datum	Zeit	ENDED_D	ENDED_T
36	CC	MNADEGGER	23.10.2015	14:02:45	23.10.2015	14:02:49
35	CC	MNADEGGER	23.10.2015	14:02:39	23.10.2015	14:02:43
34	CC	MNADEGGER	23.10.2015	14:02:32	23.10.2015	14:02:36
33	CC	MNADEGGER	23.10.2015	14:01:34	23.10.2015	14:01:46

End users are able to monitor their and, in case of extended authorizations, executions of other end users. In addition SAP BW Analysis Authorization can be checked for value help entries and of course before execution will be triggered.

SAP BW Process Chain Start Tool Solution Package Content

Our package consists of a framework with SAP Webdynpro Frontend that allows end users to parametrized, execute and monitor process chains. Multiple executions at the same time will be queued automatically.

A reuse of SAP BW Bex Queries and Filters for end-user parameter input and value help allows you to reuse existing SAP BW objects and analysis authorization for your scenario.

System administrators are able to control the amount of executed end user triggered process chains and keep system stable.

The screenshots illustrate the tool's interface. The main window is titled 'ZPARTNER Process Chain Tool' and is divided into 'Input Parameters' and 'Monitor' sections. The 'Input Parameters' section includes a dropdown for 'Test Chain 1', a search field for 'PBP: Zielversion', and 'Reset' and 'Schedule' buttons. The 'Monitor' section features a 'Refresh' button and a table with columns: Run ID, STATUS, Benutzer, Datum, Zeit, ENDED_D, ENDED_T. A search dialog shows 'Suche: PBP: Zielversion' with 6 results. A 'User input for chosen run' dialog shows a table with columns: Variablenname, Beschreibung lang, Zaehler, Sign, Operator, Low-value, Low-text, High-value, High-text. The table contains one row: 'OP_PBP_TV', 'PBP Zielversion', '1', '|', 'EQ', '000', 'Nicht zugeordnet'.

Features

- Process Chains execution triggered by end user
- Web-based application
- Reuse of Bex variables included in filters or queries
- Use SAP BW analysis authorization for end user parametrization
- Control system stability via customizing
- End User monitoring of scheduled processes

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