Integration Framework

Version 1.22.0, SAP Business One 9.1 PL08

Annemarie Kiefer 08, 2015

Public



Agenda

- Cockpits
- Performance: Step instances in processing and outbound
- Certificate tool
- Call Scenario Step Atom
- Configuration options for process control
- Further functions
 - Usability: New HTTP outbound channel
 - Performance improvement option for message log
 - User roles for integration framework and control center

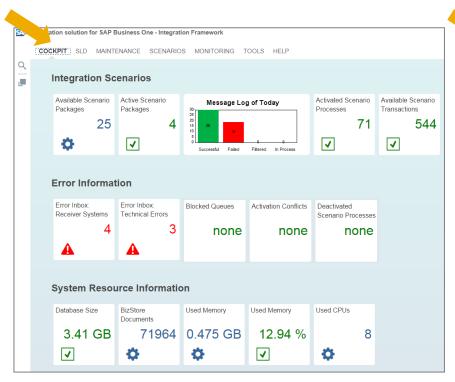


Cockpits



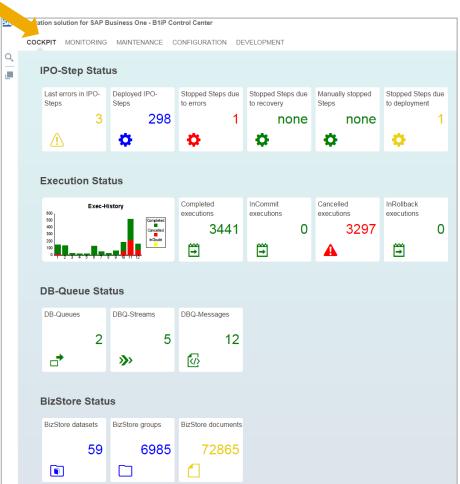
Cockpits

Integration Framework:



To display details and zoom in, click tile...

Control Center:





Step Instances in Processing and Outbound



Performance: Additional Parallel Processing Option

What for?

Additional parallel processing in processing and outbound

- For example: Initial load of messages of one B1 object type to one or several receiver systems
- For example: Daily new price list
- Use the option, when in order processing is not required
- Available for all inbound types

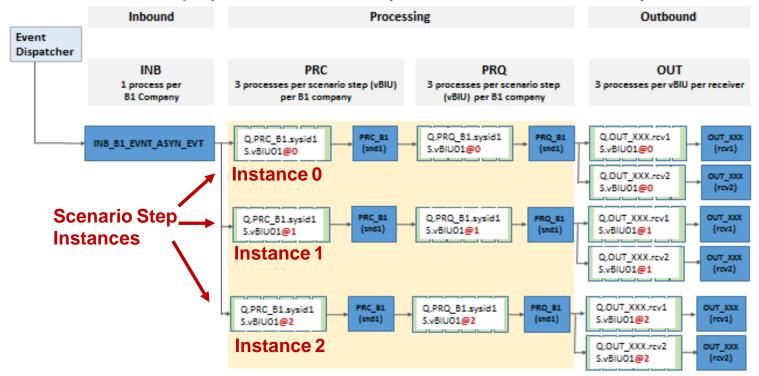
Performance: Additional Parallel Processing Option

Default Parallel Processing

All step and, more specifically, steps with different sender and receiver system combinations run in parallel

Additional Parallel Processing: In processing and outbound

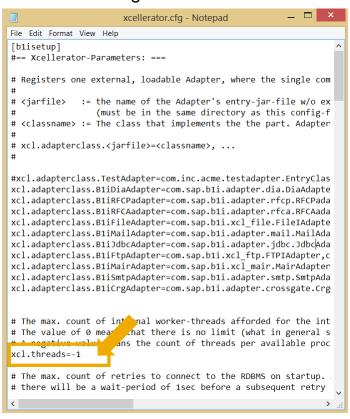
SAP Business One (B1) Inbound with 3 Step Instances and 2 Receiver Systems



Additional Parallel Processing

Prerequisites: Provide consistent settings

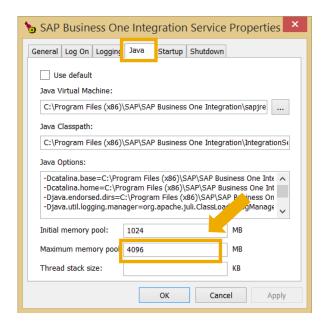
Number of threads per processor in xcellerator.cfg



Check number of processors in cockpit:



Allocating memory to integration framework



Default: 2048 MB

...\Tomcat\bin

Default: -1

...\Tomcat\webapps\BliXcellerator

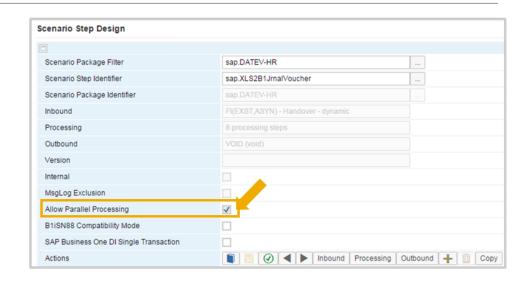
Additional Parallel Processing

Design and Configuration

At Design Time

Steps enabled for parallel processing

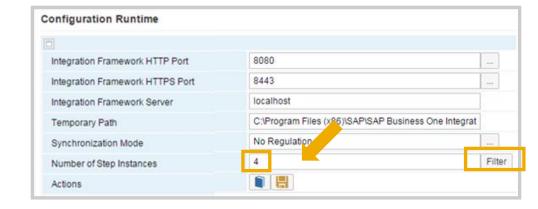
- Disable, when in-order processing is required
- Disable, when step locks one resource



At Runtime

Enter number of instances

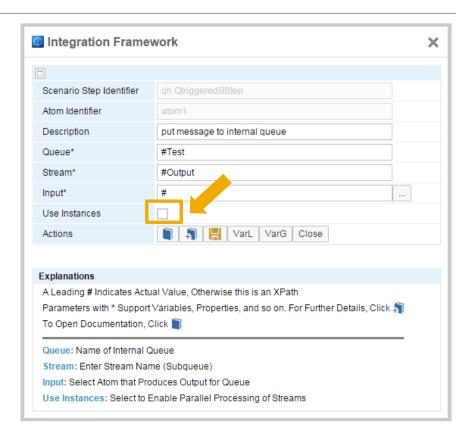
To exclude steps from parallel processing, click [Filter] and select steps, for example, to simplify debugging



Performance: Additional Parallel Processing Option

Put to internal queue atom

Option to let *Put to internal queue* atom take part in parallel processing





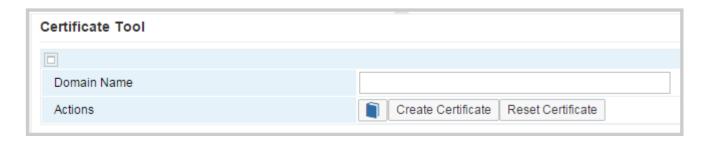
Certificate Tool



Certificate Tool

- Creates root certificate
- Creates self-signed server certificate
- Deploys server certificate to integration framework keystore
- Creates certificate for the mobile device, based on server certificate
- Replaces manual steps provided in SAP Note <u>2019275</u>

Tools → Certificate Tool





New Atom: Call Scenario Step



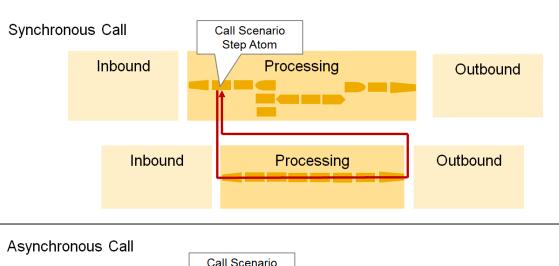
New Atom: Call Scenario Step

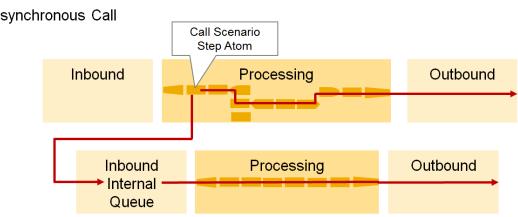
Synchronous Call

- Runs processing phase of step and returns result to atom
- Inbound and outbound not relevant

Asynchronous Call

- Step must have internal queue inbound type
- Atom hands over message to internal queue
- Both steps continue processing





New Atom: Call Scenario Step

Use Case

- Replaces Put to internal queue and Include B1iP BizFlow atoms that are atoms on B1iP level
- Atom automatically considers scenario step instance concept (for asynchronous calls)
- Well-formed message available in scenario step atom outbound (for synchronous calls)



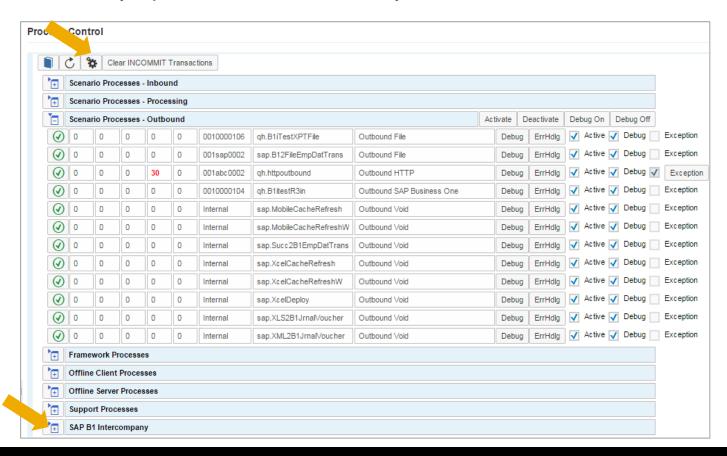
Configuration Options for Process Control



Configuration Options for Process Control I

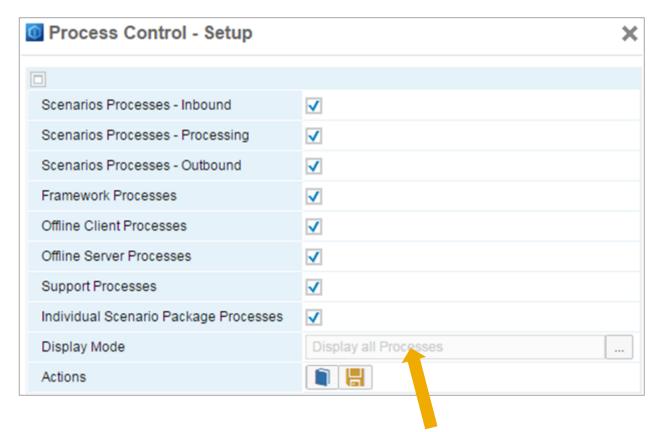
Process Control:

- Provides overview of processes in integration framework
- Provides many options for detailed analysis



Configuration Options for Process Control II

Process Control Configuration:



Display processes with transactions

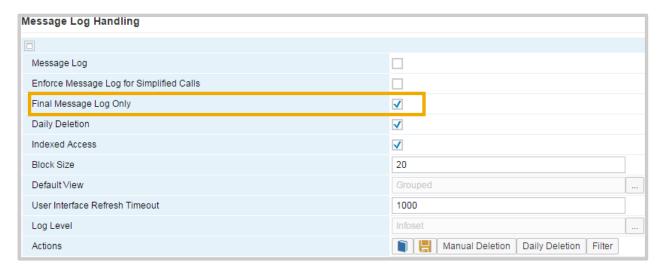


Further Functions



Further Functions

- New HTTP Outbound Channel (Asynchronous HTTP)
 Just hand over message; easier setup, easier for multiple receivers, message log displays receivers
- Performance improvement option for message log



Integration framework updates initial message log entries during message processing

- Selecting the option, integration framework only creates final message log
- No update for log entries during processing
- Has impact on integration framework performance
- If enabled, you cannot display messages with Processing status in message log

SAP Note <u>2192737</u>

User Roles

Administrator m



Technical configuration, administration and content development, provides access to functions provided by default B1iadmin user, allows access to all integration framework functions.

Developer 👗



Can design and set up integration content, has access to monitoring and development-related functions.

Configurator **A**



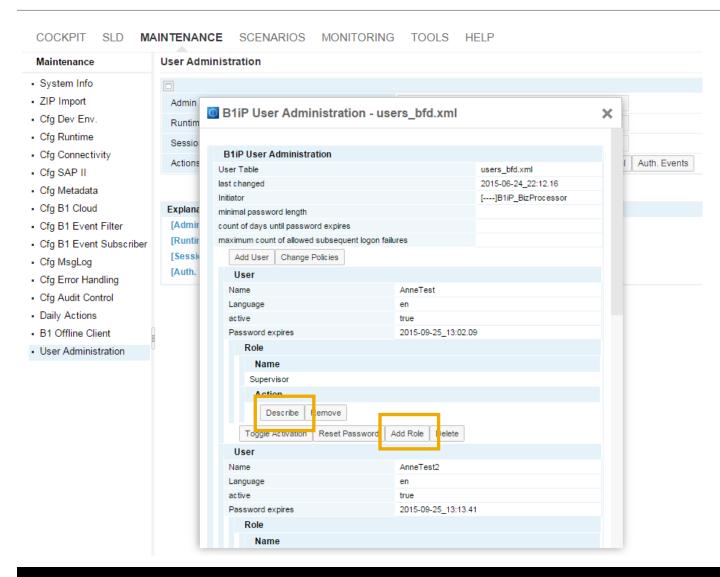
Can perform technical configuration and configuration of integration content, has access to monitoring.

Supervisor A



Can perform monitoring, value mapping, resend messages, and test connection.

User Roles





Availability



Availability

Integration framework version 1.22.0, available with:

SAP Business One 9.1 PL08 (also for version for SAP HANA)



Thank you

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