

STC BULK PROCESSING

Nearly all applications have some aspect of their operation that requires fast execution of repetitive tasks across a lot of data. Whether this be Data Migration, Extraction to a Data Warehouse, Indexing of content, or simply resaving Cases to reflect changes to the application's data model that enable new features, being able to configure these arbitrary tasks reliably and - most importantly - so they run FAST is key to minimizing downtime and ensuring reliability.

ENTER STC BULK PROCESSING

STC Bulk Processing provides an easy-to-use interface to set up, run, and monitor your long-running tasks. It uses out-of-the-box Pega features to efficiently scale your processes across your infrastructure:

Edit Bulk Processing Request

Request Label: Revalidate Rules 1

Process Records of Type: Rule-Obj-Activity

Primary Key Fields for Record Type: pkid

Action Details: Activity, STCBulkValidateSave

Record Selection Details: Select All Records of Type

Processing Details: Run this request on all nodes in the environment

Node IP Address: 172.31.7.107

Number of threads per Node: 200

Number of Records per thread: 250

Schedule request for execution at a specific time (otherwise, request will execute immediately)

Buttons: Cancel, Submit

Open Requests

Label	Record Type	Action Type	Action Name	Created On
Reindex pr4_rule Pending	Rule-Obj-Activity	Activity	HandleSTCElasticsearchOnCommit+	05/10/2021 01:38 PM
Approximately 65,673 record(s) will be processed.				



Open Requests

Label	Record Type	Action Type	Action Name	Created On
Reindex All Rules Running	Rule-Obj-Activity	Activity	HandleSTCElasticsearchOnCommit+	05/10/2021 04:13 PM
24,500 of 65,673 record(s) have been processed.				



Completed Requests

Label	Record Type	Action	Created On	Execution Summary
Test Base Throughput 1 Completed	Rule-Obj-Activity	Activity DoNothing	05/10/2021 04:00 PM	107573.0 ms total execution time (1.64 ms per record; 610.5 records per second)
65,673 of 65,673 records; 65,673 were successful, and 0 had errors.				

WITH STC BULK PROCESSING, YOU CAN

- Configure a bulk processing operation across all records of a particular type (or a customized sub-set of them)
- Run a specified Activity or Data Transform across the entire collection of records
- Specify whether you want to run the process immediately or schedule it for execution at a later date and time
- Identify how many Pega servers in your cluster you want to use for this processing, and how many records per server you want to process at one time
- Get real-time updates about the status of your bulk process as it runs
- Cancel an in-flight process at any time
- Maintain a historical log of all bulk processing requests that have been executed
- Re-queue a historical request for re-execution