

KB 014 – ABAP Configuration Parameters and their function

Symptom: You have PowerConnect for Splunk installed and want to understand the function of each of the global configuration parameters and identify which version of PowerConnect they are available in

The Table below outlines the parameter name, its function and the version of PowerConnect it is available for use.

Global configuration

Available in version	Parameter key	Description	Default value	Min Value	Max Value
4.00					
	ARCHIVE_DAYS_TO_RETAIN	Number of days metrics that have been uploaded is kept	3		
	ARCHIVE_DAYS_TO_RETAIN_UNSENT	Number of days metrics that have NOT been uploaded is kept	14		
	ARCHIVE_DURATION_RUN	Duration (in seconds) of archive	86400 seconds		
	MAX_PARALLEL_PROCESS	Maximum number of extractor running in parallel	3		
	MULTI_SERVER_DISTRIBUTION	Upload distribution method - SENDALL to upload metrics to all active server - ROUNDROBIN to distribute the metrics to all active server	SENDALL		
	RFC_GROUP	Allocate RFC group for parallelizing extractor	DEFAULT		
4.01					
	INTERVAL_BEFORE_ABORT	If the last metric was extracted longer than the interval value, check job will abort extractor job because it assumes that extractor job is not running properly.	3600 seconds		
	RFC_VERIFY_INTERVAL	the interval after last RFC error and before making another RFC call to an application server.	300 seconds		
	RFC_VERIFY_TIMEOUT	the timeout for RFC verify. If the server doesn't return value within the timeout period, the server will be flagged with error. The RFC verify is the same implementation as FM RFC_VERIFY_DESTINATION	5 seconds		
4.03					
	RESTART_EXTRACTOR_DURATION	To restart extractor job periodically	82800 seconds	600 seconds	

Extractor configuration

Available in version	Extractor	Parameter Key	Parameter Value	Description
4.01				
	STAD	MAX_NO_OF_RECORDS	500	Maximum number of records per metric to avoid memory overflow
4.03				
	BD87	NO_OF_DAYS_FOR_INITIAL_UP	1	

	MSS_DB02_BCKP	NO_OF_DAYS_FOR_INITIAL_UP	1	
	MSS_DB02_RSTR	NO_OF_DAYS_FOR_INITIAL_UP	1	
	SMQ1	CLIENT	*	
	SMQ2	CLIENT	*	
	SMQR	ALLTYPE	S	
	SMQR	CLIENT	*	
	WE02	LANGU	E	
4.04				
	SM50_TRACE	MAX_LENGTH	5000	Maximum length trace file content in one record (bytes)
	SQVI	MAX_ROWS_COUNT	100000	Number of rows returned
4.06				
	LOGS	MAX_LENGTH	5000	Maximum length trace file content in one record (bytes)
4.08				
	STAD3	INCLUDE_TASK_TYPE		To specify specific task types to extract. Other task types are not extracted. Please populate this parameter with comma separated task types.
	STAD3	EXCLUDE_TASK_TYPE		To specify task types to exclude. Please populate this parameter with comma separated task types.
4.09				
	STAD	ASYNC_TIMEOUT	300 seconds	Asynchronous STAD collector timeout.

Uploader Configuration

Available in version	Uploader	Parameter key	Index	Description	Default value
4.00					
	SPLUNK	SOURCETYPE		Sourcetype name to identify metric uploaded from PowerConnect	sap_abap
	SPLUNK	UPLOAD_COUNT		The number of metrics to upload in one run. Default value is changed to 30 in 4.04.	30
4.02					
	SPLUNK	CONNECTION_TEST_TO_FIX_SOURCETYPE		If set to 'X'. When you perform connection test, it will give an option to update the source type.	<not available>

	SPLUNK	MAX_UPLOAD_ITERATION		<p>If 0, uploader will perform iteration to find backlog of metrics that need to be uploaded.</p> <p>If > 0. The maximum number of iteration.</p> <p>For example, if UPLOAD_COUNT = 300, MAX_UPLOAD_ITERATION 5 300 x 5 = 6000 metrics will be uploaded.</p> <p>Default value is changed to 100 in 4.04</p>	100
4.03					
	SPLUNK	PROMPT_UPDATE		<p>Ask the user whether PowerConnect should check whether the index exists or not and update the sourcetype in Splunk.</p>	X
4.04					
	SPLUNK	BLACKOUT_TIMEOUT		<p>If Splunk system is not available, the system will be put in blackout list for defined number of seconds</p>	5
	SPLUNK	UPLOAD_JOB_COUNT		<p>Number of background job created to upload metrics in parallel.</p>	2
4.06					
	SPLUNK	MTR_REQUEST_MAX_SIZE_HEC		<p>Maximum size of http request for HTTP Event Collector in bytes</p>	900000
	SPLUNK	MTR_REQUEST_MAX_SIZE_REST		<p>Maximum size of http request for REST API in bytes</p>	900000