**CTMJRBC — Change Jobs to SMART Tables/Groups**

The CTMJRBC utility can be used tochange the scheduling criteria from jobs to general RBCs/Tags that can be shared by similar jobs.

The utility supports CONTROL-M 6.3.0 and 7.0.0.

The CTMJRBC utility takes as input an XML file containing multiple jobs with independent scheduling criteria, and changes these jobs to use RBC/Tag scheduling criteria. The jobs can be in a regular table or a Smart Table/Group Table.

The utility supports both Distributed and z/OS XMLs.

The following actions are performed by the utility:

* If the jobs are not in a Smart Table/Group Table, a Smart Table/Group Table entity is created for the table. In addition, the format of the regular job scheduling definitions is modified to match the format of job scheduling definitions in Smart Tables/Group Tables.
* A table-level RBC/Tag is created for each job that has a schedule criterion that doesn’t meet any existing RBC/Tag.

***NOTE: for z/OS jobs***

Compress jobs within a table (meaning, job scheduling definitions with the MINIMUM and PDS fields defined) are converted, but these jobs are not assigned SCHEDULE RBC/Tag fields. A warning message is written to the exceptions.out file.

Instead, their only scheduling criteria after the conversion are the MINIMUM and PDS criteria.

**Parameters**

**DIRECTORY** (Optional)

The directory where the XML input file is present, and where the output files will be written.

Default: current directory.

**INPXML** (Optional)

The name of the XML input file.

The default file name is input.xml

**OUTXML** (Optional)

The name of the XML output file, or **##PREFIX##** or **##SUFFIX##**

The default file name is output.xml

If **##PREFIX##** is specified, the name of the output XML file is the same as the name of the XML input file, but the name is preceded by “OUT”. For example, if the input file is called UTIL.XML, the output file is OUT.UTIL.XML

If **##SUFFIX##** is specified, the name of the output XML file is the same as the name of the XML input file, but the name is followed by “OUT”. For example, if the input file is called UTIL.XML, the output file is UTIL.XML.OUT

**ADJUST\_COND** (Optional)

Whether to set the XML ADJUST CONDITION parameter in the Smart Table/Group Table Entity to Yes, No or Dummy.

Please note: If a Smart Table/Group Table is being processed, the XML AJUST CONDITION parameter is already present in the Smart Table/Group Table, and the ADJUST\_COND parameter is ignored.

Valid values are:

* Y
* N (Default)
* Dummy

**RBC\_TAG\_PREFIX** (Optional)

Whether to use the group name or table name as the prefix for the RBC/Tag names created in the Smart Table/Group Table Entity.

Valid values are:

* #GROUP# Use the group name as the prefix
* #TABLE# Use the table name as the prefix
* *Prefix* User-specified prefix

Default: GEN\_RBC (7.0.0 and higher), GEN\_TAG (6.3.0)

Note that, under some limited conditions, the RBC\_TAG\_PREFIX parameter will be ignored and the RBC/Tag name will be related to the scheduling parameters. For example, if the job is run every Tuesday, the RBC/Tag name will be EVERY\_TUESDAY.

If calendars are being used, or the job will be run only on some months, etc – the RBC\_TAG\_PREFIX parameter will be used.

**Owner** (Optional)

Owner (user ID) associated with the job. This parameter is used by the Control-M security mechanism.

Default: CTM\_OWNER

**Output Files**

Besides creating an XML output file, the utility also creates the following output files:

* exceptions.out

This file contains a list of exceptions. Example messages:

The ADJUST\_COND parameter value <value> is not valid. Valid values are Y, N, and Dummy. The parameter was set to the default value of N

job <job name> contains a MINIMUM/PDS parameter. An RBC/Tag will not be added to this job.

* change\_list.out

This file contains a list of all the changes that were made by the utility.

An example message:

table=<table name> job=<job name> Removed attribute DAYS\_AND\_OR from the job, will be moved to an RBC/Tag

* progress.out

This file shows which tables/jobs were processed by the utility.

An example message:

Processing job: <job name>. Job number: <job number> in table: <table name>. Time: <date and time>

**Example - Activating the Utility**

perl ctmjrbc.pl -INPXML INPUT.XML -OUTXML ##PREFIX##

-ADJUST\_COND Y -RBC\_TAG\_PREFIX #TABLE# -OWNER FRANKF

The following messages are displayed by the utility:

Utility CTMJRBC Version <version number>

Starting process at: <date/time>

Input XML file: <name of XML file ( <size of file> )

Processing <630/700> XML file

[============] <percent completed>%[<current>/<total>]

End of utility CTMJRBC at: <date/time>

Note that a progress bar is displayed when the utility is running. The progress bar shows the number of tables that were processed out of the total number of tables that are in the file, and the percent of the tables that were processed.

**Prerequisite Perl packages**

The following Perl packages are required in order to run the utility:

XML-DOM

String-ProgressBar