🡪 Block Name = GENERIC\_TABLE

**Axis & values**

List of AXIS List of TAGS per Axis

SNAPSHOTS

EVOL

EVOL\_PERCENT

ALL

PREVIOUS

CURRENT

METRICS

<STANDARD TAG NAME>\*\*

RUN\_TIME

~~TECHNICAL~~\_~~DEBT~~

CRITICAL\_VIOLATION

VIOLATION

TECHNICAL\_SIZING

FUNCTIONAL\_WEIGHT

CRITICAL\_QUALITY\_RULES

<ID>

HEALTH\_FACTOR

BUSINESS\_CRITERIA

TECHNICAL\_CRITERIA

QUALITY\_RULES

MODULES

ALL

<NAME>

TECHNOLOGIES

ALL

<NAME>

VIOLATIONS

ALL

REMOVED

ADDED

TOTAL

CRITICAL\_VIOLATIONS

TOTAL

ALL

ADDED

REMOVED

CUSTOM\_EXPRESSIONS

<EXPRESSIONS>

OMG\_TECHNICAL\_DEBT

TOTAL

ALL

ADDED

REMOVED

\*\* The selection of metrics by standard quality tag name should only be used for an application where the extension “Quality Standards Support” is installed. If not, no metrics will be selected and table will be empty.

\*\*\* Requires installation of OMG Technical Debt Measure (>2.0.0 funcrel) (and ISO-5055 Index extensions and/or CISQ Index extensions).  
To get results on Omg Technical Debt on a specific metric, add the axis "METRICS=M" where M is the index id (ISO, CISQ or AIP)

**Table Structure**

COL 1: (1st axis of information, mandatory)

COL 11: (2nd axis of information, optional)

ROW 1: (1st axis of information, mandatory)

ROW 11: (2nd axis of information, optional)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | COL1 – COL11 | COL1 – COL12 | COL2 - COL21 | COL2 - COL22 |
| ROW1 |  |  |  |  |
| ROW11 |  |  |  |  |
| ROW12 |  |  |  |  |
| ROW2 |  |  |  |  |
| ROW21 |  |  |  |  |
| ROW22 |  |  |  |  |

**“Alt” Structure (without space or return)**

TABLE;GENERIC\_TABLE;COL1=A,COL11=B,ROW1=C,ROW11=D,A=a,B=b,C=c|d,D=e|f|g

* where A,B,C and D are one of the axis above
* and a, b, c, d, e, f, g is one or multiple tags of the axis

For Custom expressions axis, the CUSTOM\_EXPRESSIONS parameter can contains a list of custom expressions separated by ‘|’, and supplementary options are needed : PARAMS (mandatory) contains the list of parameters of the custom expression, FORMAT (optional) contains the format of the result, and of course, the parameters definition (see sample 12).

SAMPLE 1.

Simple table to get Efficiency, TQI, Robustness scores for current snapshot only

TABLE;GENERIC\_TABLE;COL1=METRICS,ROW1=SNAPSHOTS,METRICS=60014|60017|60013,SNAPSHOTS=CURRENT

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Snapshot | 60014 | | 60017 | 60013 |
| Current | | score | score | score |

SAMPLE 2

Simple table to get Efficiency, TQI, Robustness scores for current and previous snapshot

TABLE;GENERIC\_TABLE;COL1=METRICS,ROW1=SNAPSHOTS,METRICS=60014|60017|60013,SNAPSHOTS=CURRENT|PREVIOUS

|  |  |  |  |
| --- | --- | --- | --- |
| Snapshots | 60014 | 60017 | 60013 |
| Current | score | score | score |
| Previous | score | score | score |

SAMPLE 3

Simple table to get all Health Factors scores for current and previous snapshot and their evolution

TABLE;GENERIC\_TABLE;COL1=METRICS,ROW1=SNAPSHOTS,METRICS=HEALTH\_FACTOR,SNAPSHOTS=ALL

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Snapshots | HF1 | HF2 | HF3 | HF4 | HF5 |
| Current | score | score | score | score | score |
| Previous | score | score | score | score | score |
| Evolution | Number | Number | Number | Number | Number |
| % Evolution | Percentage | Percentage | Percentage | Percentage | Percentage |

SAMPLE 4

Table to get all Health Factors scores to benchmark modules for current and then previous snapshot

TABLE;GENERIC\_TABLE;COL1=METRICS,ROW1=SNAPSHOTS,ROW11=MODULES,METRICS=HEALTH\_FACTOR,SNAPSHOTS=CURRENT|PREVIOUS,MODULES=ALL

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Snapshots | HF1 | HF2 | HF3 | HF4 | HF5 |
| Current |  |  |  |  |  |
| Module 1 | score | score | score | score | score |
| Module 2 | Score | score | score | score | score |
| Previous |  |  |  |  |  |
| Module 1 | score | score | score | score | score |
| Module 2 | score | score | score | score | score |

SAMPLE 5

Table to get all Health Factors scores to monitor modules regarding current and previous snapshot

TABLE;GENERIC\_TABLE;COL1=METRICS,ROW1=MODULES,ROW11=SNAPSHOTS,METRICS=HEALTH\_FACTOR,SNAPSHOTS=CURRENT|PREVIOUS,MODULES=ALL

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Snapshots | HF1 | HF2 | HF3 | HF4 | … |
| Module 1 |  |  |  |  |  |
| Current snap. | score | score | score | score | score |
| Previous snap. | score | score | score | score | score |
| Module 2 |  |  |  |  |  |
| Current snap. | score | score | score | score | score |
| Previous snap. | score | score | score | score | score |

SAMPLE 6

Table to get all Health Factors critical violations numbers with risk introduced regarding previous snapshot

TABLE;GENERIC\_TABLE;COL1=METRICS,ROW1=CRITICAL\_VIOLATIONS,METRICS=HEALTH\_FACTOR,CRITICAL\_VIOLATIONS =ALL,SNAPSHOTS=CURRENT

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Critical violations | HF1 | HF2 | HF3 | HF4 | HF5 |
| Total Critical Violations | number | number | Number | Number | Number |
| Added Critical Violations | Number | Number | Number | Number | Number |
| Removed Critical Violations | number | Number | number | Number | Number |

SAMPLE 7

Table to benchmark module on Health Factors critical violations numbers with risk introduced regarding previous snapshot

TABLE;GENERIC\_TABLE;COL1=METRICS,ROW1=CRITICAL\_VIOLATIONS,ROW11=MODULES,METRICS=HEALTH\_FACTOR,CRITICAL\_VIOLATIONS =ALL,MODULES=ALL,SNAPSHOTS=CURRENT

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Critical violations | HF1 | HF2 | HF3 | HF4 | HF5 |
| Total Critical Violations |  |  |  |  |  |
| Module 1 | number | number | number | number | Number |
| Module 2 | number | Number | number | Number | Number |
| Module 3 | Number | number | Number | Number | Number |
| Added Critical Violations |  |  |  |  |  |
| Module 1 | Number | number | Number | number | Number |
| Module 2 | Number | Number | Number | Number | Number |
| Module 3 | Number | Number | Number | Number | Number |
| Removed Critical Violations |  |  |  |  |  |
| Module 1 | Number | Number | Number | Number | Number |
| Module 2 | Number | Number | Number | Number | Number |
| Module 3 | Number | Number | number | Number | number |

SAMPLE 8

Table to monitor technologies on added and removed critical violations for Health Factors

TABLE;GENERIC\_TABLE;COL1=METRICS,ROW1=TECHNOLOGIES,ROW11=CRITICAL\_VIOLATIONS,METRICS=HEALTH\_FACTOR,CRITICAL\_VIOLATIONS =ADDED|REMOVED,TECHNOLOGIES=ALL,SNAPSHOTS=CURRENT

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Modules | HF1 | | HF2 | HF3 | HF4 | HF5 |
| Techno 1 | |  |  |  |  |  |
| Added Critical Violations | | Number | number | Number | number | Number |
| Removed Critical Violations | | number | Number | number | Number | Number |
| Techno 2 | |  |  |  |  |  |
| Added Critical Violations | | Number | number | Number | number | Number |
| Removed Critical Violations | | number | Number | Number | Number | Number |
| Techno 3 | |  |  |  |  |  |
| Added Critical Violations | | number | Number | Number | Number | Number |
| Removed Critical Violations | | number | number | number | Number | Number |

SAMPLE 9

Table to monitor sizing information regarding previous snapshot

TABLE;GENERIC\_TABLE;COL1=SNAPSHOTS,ROW1=METRICS,METRICS=TECHNICAL\_SIZING,SNAPSHOTS=CURRENT|PREVIOUS

|  |  |  |  |
| --- | --- | --- | --- |
| Metrics | | Current Snapshot | Previous Snapshot |
| Sizing metrics 1 | Number | | Number |
| Sizing metrics 2 | Number | | number |
| Sizing metrics 3 | number | | Number |
| … | number | | Number |

SAMPLE 10

Table to monitor specific sizing metrics with evolution regarding previous snapshot

TABLE;GENERIC\_TABLE;COL1=SNAPSHOTS,ROW1=METRICS,METRICS=10151|10107|10152|10154|10161,SNAPSHOTS=ALL

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Metrics | | Current Snapshot | Previous Snapshot | Evol. | Evol. % |
| 10151 | Number | | Number | Number | Number |
| 10107 | Number | | number | number | number |
| 10152 | Number | | number | number | number |
| 10154 | number | | Number | Number | Number |
| 10161 | number | | Number | Number | Number |

SAMPLE 11

Table to monitor quality standard violations evolution

TABLE;GENERIC\_TABLE;COL1=VIOLATIONS,ROW1=METRICS,METRICS=CWE,VIOLATIONS=ALL

The selection of metrics by standard quality tag name should only be used for an application where the extension “Quality Standards Support” is installed. If not, no metrics will be selected and table will be empty.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Metrics | | Added Violations | Removed Violations | Total Violations |
| metrics 1 | Number | | Number | Number |
| metrics 2 | Number | | Number | number |
| metrics 3 | number | | Number | Number |
| … | number | | Number | Number |

SAMPLE 12

Table to monitor custom expressions at application level

TABLE;GENERIC\_TABLE;COL1=SNAPSHOTS,ROW1=CUSTOM\_EXPRESSIONS,SNAPSHOTS=ALL,CUSTOM\_EXPRESSIONS=(a+b)/2|c/d,PARAMS=QR a QR b SZ c SZ d,a=60013,b=60014,c=67211,d=10151

This table gives the evolution of 2 customs expressions between current and previous snapshots. The first custom expression is the average of grades for robustness and performance, the second expression is a ratio between the number of violations and the number of code lines.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Custom Expressions | | Current Snapshot | Previous Snapshot | Evol. | Evol. % |
| (a+b)/2 | Number | | Number | Number | Number |
| c+d | Number | | number | number | number |

SAMPLE 13

Table to monitor iso technical debt at application level

TABLE;GENERIC\_TABLE;COL1=OMG\_TECHNICAL\_DEBT,ROW1=MODULES,SNAPSHOTS=CURRENT,OMG\_TECHNICAL\_DEBT=ALL,METRICS=ISO,MODULES=ALL

This table gives for each module the iso technical debt total, added and removed

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Technical Debt (Days) | | Module 1 | Module 2 | Module 3 | Module 4 |
| Technical Debt (Days) | Number | | Number | Number | Number |
| Technical Debt Added (Days) | Number | | number | number | number |
| Technical Debt Removed (Days) | Number | | Number | Number | Number |

ISO option is the recommended technical debt to be used. Requires installation of OMG Technical Debt Measure (>2.0.0 funcrel) and ISO-5055 Index extensions during analysis

CISQ option required installation of OMG Technical Debt Measure and CISQ Index extensions during analysis. Scope of rules is reduced

…It’s up to you to create any table with any type of data and gather it as you wish…

Notes

**No space can be left** on the configuration (except if your module or technology contains it).

**MODULES**: if no information filled, then default value is "ALL"

**TECHNOLOGIES**: if no information filled, then default value is "ALL"

**SNAPSHOTS**: When a snapshot is displayed in a table, we display "Snapshot Name -Snapshot version". if no information filled, then default value is "ALL"

**VIOLATIONS**: if no information filled, then default value is "ALL"

**CRITICAL\_VIOLATIONS**: if no information filled, then default value is "ALL"

**METRICS**: if no information filled, then default value is "HEALTH\_FACTOR"  
**OMG\_TECHNICAL\_DEBT**: if no information filled, then default value is "ALL"