🡪 Block Name = GENERIC\_GRAPH

A Graph component is built based on a table structure. The idea is to fill data into the table of the graph to populate it automatically. The table structure is the same as of the Generic table component:

**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

CRITICAL\_QUALITY\_RULES

FUNCTIONAL\_WEIGHT

TECHNICAL\_SIZING

<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

OMG\_TECHNICAL\_DEBT\*\*\*

TOTAL

ALL

ADDED

REMOVED

\* To get results on violations or critical violations on a specific metrics, add the axis “METRICS=M” where M is a metric id from quality model (eg page 4)

\*\* 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 graph 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)

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

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

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

**Clustered column graph**

GRAPH;GENERIC\_GRAPH;COL1=SNAPSHOTS,ROW1=METRICS,METRICS=HEALTH\_FACTOR,SNAPSHOTS=CURRENT|PREVIOUS

**Clustered column graph**

GRAPH;GENERIC\_GRAPH;COL1=METRICS,ROW1=MODULES,METRICS=HEALTH\_FACTOR

**Stacked Bar**

GRAPH;GENERIC\_GRAPH;COL1=CRITICAL\_VIOLATIONS,ROW1=MODULES,MODULES=ALL,CRITICAL\_VIOLATIONS=ALL,METRICS=60017;

**Stacked Bar sample with Standard Quality Rules**

GRAPH;GENERIC\_GRAPH;COL1=VIOLATIONS,ROW1=METRICS,VIOLATIONS=ALL,METRICS=CWE;

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 graph will be empty.

**Stacked Bar**

GRAPH;GENERIC\_GRAPH;COL1=CRITICAL\_VIOLATIONS,ROW1=METRICS,METRICS=HEALTH\_FACTOR,CRITICAL\_VIOLATIONS=ADDED|REMOVED

**Radar chart**

GRAPH;GENERIC\_GRAPH;COL1=SNAPSHOTS,ROW1=METRICS,METRICS=60013|60014|60016,SNAPSHOTS=CURRENT|PREVIOUS

GRAPH;GENERIC\_GRAPH;COL1=SNAPSHOTS,ROW1=METRICS,METRICS=66033|66031|66032,SNAPSHOTS=CURRENT|PREVIOUS

**Pie chart**

GRAPH;GENERIC\_GRAPH;ROW1=TECHNOLOGIES,COL1=METRICS,TECHNOLOGIES=ALL,METRICS=10151

GRAPH;GENERIC\_GRAPH;ROW1=MODULES,COL1=METRICS,MODULES=ALL,METRICS=10151

**Stacked Bar**

GRAPH;GENERIC\_GRAPH;COL1=OMG\_TECHNICAL\_DEBT,ROW1=MODULES,MODULES=ALL,OMG\_TECHNICAL\_DEBT=ALL,METRICS=ISO;

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