
Metrics (cs.metrics): 15.2.0

Release 15.4.0.2

CONTACT Software

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cs.metrics 10.1.1 Service Levels

1.1 Service Level 14

1.1.1 Aggregation Service as Message Queue

The asynchronous service calculating aggregated values for Quality Characteristics is now implemented as a Message Queue.

This reduces waiting times, as jobs are not executed once a day, but at any time the Message Queue is idle.

1.2 Service Level 15

1.2.1 New Export Format

The format of `metrics.json` files has been changed slightly.

When using `cdpkg build` on your custom module, you will see differences like the following in your `metrics.json` files:

```
--- metrics.json      (revision 117151)
+++ metrics.json      (revision 117152)
@@ -16,7 +16,7 @@
     }
   }
-  ],
+  "CONTENT_DOMAIN": "Metrics",
+  "CONTENT_DOMAIN": "",
+  "UPDATE_POLICY": "NEVER UPDATED"
+},
```

These changes are by design.

1.3 Service Level 17

1.3.1 Additional parameter in method `QualityCharacteristic.getWhereCondition`

This service level adds a second parameter `relation` to `QualityCharacteristic.getWhereCondition`. In all customer classes inherited from `QualityCharacteristic` the method signature must be adjusted.

old:

```
def getWhereCondition(self):
```

new:

```
def getWhereCondition(self, relation):
```

1.4 Service Level 18

1.4.1 Additional parameter in method `QualityCharacteristic.getWhereCondition`

This service level adds a third parameter `root_alias` to `QualityCharacteristic.getWhereCondition`. In all customer classes inherited from `QualityCharacteristic` the method signature must be adjusted.

old:

```
def getWhereCondition(self, relation):
```

new:

```
def getWhereCondition(self, relation, root_alias):
```

What's New in cs.metrics 15.2.0?

2.1 Internationalization

CONTACT Elements 15 and its applications contain many newly translated and updated terms. The following paragraphs list all affected elements in this application, while details concerning the actual conversion (called “internationalization” for simplicity) can be found in each product’s release notes.

2.1.1 Translated Relationship Access Profiles

The following Relationship Access Profiles have been renamed:

cdbqc: Delete Kennzahlen Renamed to **cdbqc: Delete KPI**

cdbqc: In Arbeit Kennzahlendefinition Renamed to **cdbqc:New KPIs**

Please rename any usages in custom relationships accordingly.

2.1.2 Translated Catalogs

The following catalogs previously not supporting multiple languages are updated as detailed in the product release notes:

- **Responsible (cdbqc_resp_brows), used in**
 - KPI Definition (cdbqc_definition)
- **KPI Definition <-> Class (cdbqc_def2class), used in**
 - Calculation Frequency (cdbqc_update_clocks)

2.1.3 Translated Status Names

Status names have been internationalized for the classes:

- KPI Definition (cdbqc_definition)

2.1.4 Translated Attributes

The following classes had their name attributes internationalized:

- KPI (cdbqc_quality_character)
- Aggregation Rule (cdbqc_aggr_rule)
- KPI Definition (cdbqc_definition)

- Quality Grade (cdbqc_q_grade)
- KPI Unit (cdbqc_unit)
- Unit Type (cdbqc_unit_type)
- Calculation Frequency (cdbqc_update_clocks)

cs.metrics 15.2.0 Service Levels

3.1 Service Level 15

To avoid some licensing problems this service level adds the system service users `qcaggregationengine` and `qccomputationengine` and changes the service options of the `cs.metrics.qc_engine.QCAggregationEngine` and `cs.metrics.qc_engine.QCComputationEngine` services to use their matching service user if there is no user configured already.

3.2 Service Level 11

3.2.1 Additional parameter in method `QualityCharacteristic.getWhereCondition`

This service level adds a third parameter `root_alias` to `QualityCharacteristic.getWhereCondition`. In all customer classes inherited from `QualityCharacteristic` the method signature must be adjusted.

old:

```
def getWhereCondition(self, relation):
```

new:

```
def getWhereCondition(self, relation, root_alias):
```

3.3 Service Level 10

3.3.1 Additional attributes for `QualityCharacteristic`

The attribute `cdbqc_qgrade_object_id` (a reference the corresponding quality grade) has been added to `QualityCharacteristic` for performance reasons. As `QualityCharacteristic.getGrade` no longer looks up the latest quality grade from history, for not computed quality characteristics you have to execute the update tool `cs.metrics.tools.migration` with the following parameters for all quality characteristics within a module:

```
powerscript -m cs.metrics.tools.migration update-qgrade -im cs.metrics
```

Since this action may take a long time if you have a huge quantity of data, you can also directly update a specific KPI:

```
powerscript -m cs.metrics.tools.migration update-qgrade -ic INSERT_KPI_CODE_HERE
```

Until you have executed the update tool the quality grade will not be shown correctly within the KPI Cockpit. But all future changes of KPI values using `QualityCharacteristic.set_actual_value` will automatically set the quality grade value given.

3.4 Service Level 9

3.4.1 Additional parameter in method `QualityCharacteristic.getWhereCondition`

This service level adds a second parameter `relation` to `QualityCharacteristic.getWhereCondition`. In all customer classes inherited from `QualityCharacteristic` the method signature must be adjusted.

old:

```
def getWhereCondition(self):
```

new:

```
def getWhereCondition(self, relation):
```

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