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Wolfgang Woehrle

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Trouble Shooting for CDS Views

You can define the values of CDS annotations directly in the currently opened CDS view or inherit them from other CDS views, data sources, or data elements.

When editing data models, you therefore might want to check, for example, which dependencies your entity has to other data sources, what the current values of the annotations are, and where the values originated from.

To do this you can now use the following new views:

Active Annotations

The Active Annotations view relates to the CDS entity that is opened in the source code editor. It displays the annonations that are currently used/active for the annotated elements/parameters, their current value, and their origin.

This view is sorted in accordance to the sequence of the used CDS annotations. It lists the current values of the latter, translatable texts, and information about the sources from where the annotations are inherited from.

In case of using view hierarchies, the element annotation values are propagated from the underlying views to the view above.

You can also navigate to the listed entities by double-clicking them.

Dependency Analyzer

The tree and the graph tabs of the Dependency Analyzer view displays the SQL dependencies between ABAP Dictionary objects and CDS entities as follows:

1. SQL Dependency Tree: Tabular structure to skim through the most relevant details quickly
2. SQL Dependency Graph: Hierarchial semantic net to visualize the dependencies and relationships in general

In addition, you can gain aggregated information   about usages such as JOINs, SQL operations, and so on from the Complexity Metrics tab. The tab displays the most relevant statistics for your entity which you can use to optimize your data definition

Complexity Metrics

Used Data Sources

Database tables:	2
Database views:	0
CDS views with parameter:	0
CDS table functions:	0

SQL Operations

Association definitions:	1
JOIN operations:	1
UNION operations:	0
GROUP BY clauses:	1

Performance Related Function Calls and Operations

Function calls:	1
Explicit type CAST operations:	0
CASE expressions:	0

Just skim through the sections and check if there are unusually high numbers.

What's the use case? You might run, for example, into performance issues when creating a data model. Consequently, you want to investigate the cause. Then this view comes in handy!
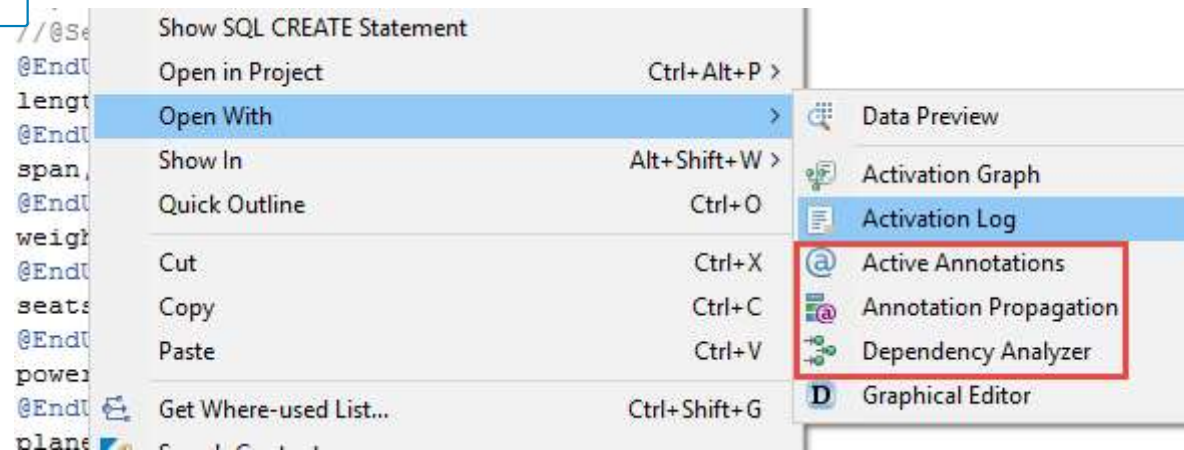
For more information, look here Dependency Analyzer

How to Open these Views?

You open them through the context menu from the source code editor as follows:

Just click then the relevant entry.

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