



ti&m AG

Triple'A Analyzer (TAAN) Use Cases

Core Components and how to use them

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Triple'A Analyzer (TAAN) Overview

TAAN: Development tool for managing Triple'A GUI scripts and formats in a consistent manner

- comprehensive and efficient script editing
- analyzing existing complex Triple'A installations: redundancies, inconsistencies and dependencies
- optimizing script code
- enhanced searching facilities
- versioning on script level
- document format and script relationships

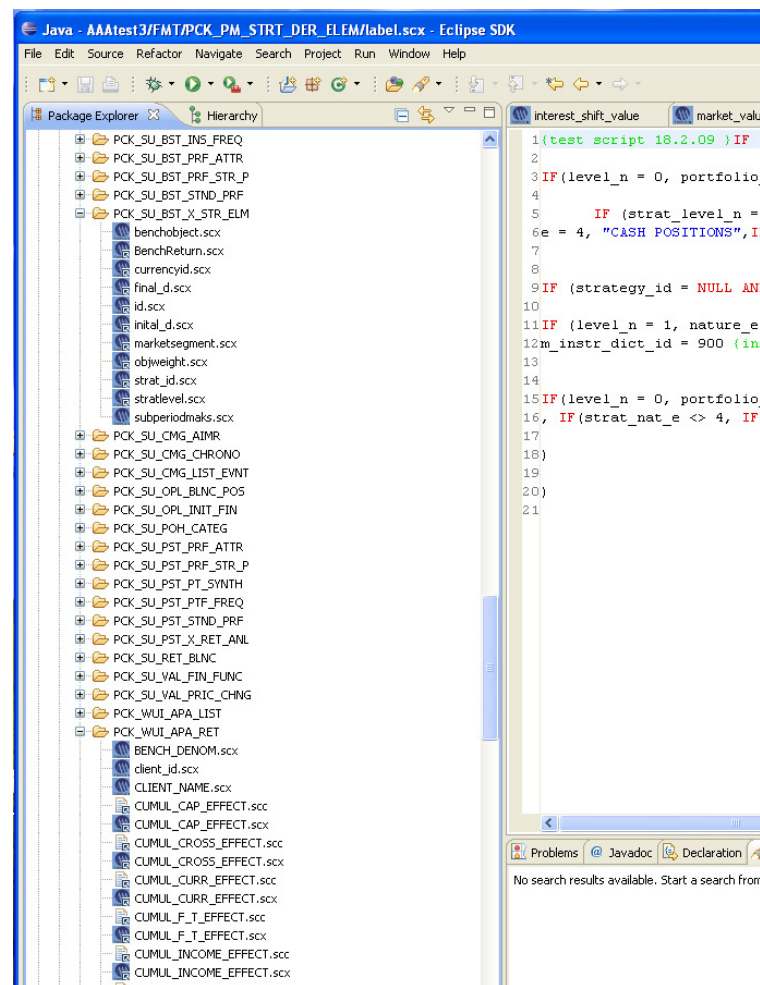
TAAN is adding state-of-the-art software management and engineering capabilities to the Triple'A core functionality.

TAAAN-Repository: Structuring of scripts

Complete Overview of

- Formats and Format Elements
- Lists
- Default values
- Input controls
- Functions
- Screens

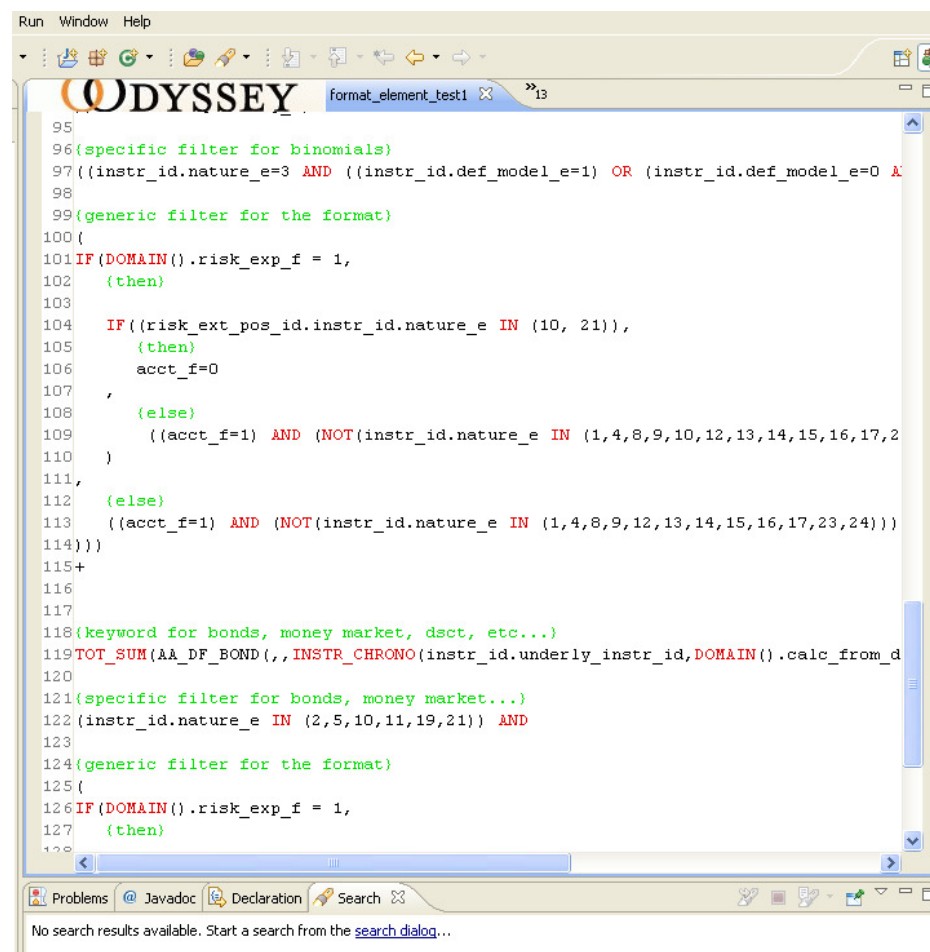
- All the components script definitions are included as human readable text files in a file system
 - Advanced search features
 - Versioning and documentation



TAAN-Editor: Comfortable Programming

Main Features

- Automatic formatting of script code
- Syntax highlighting: easy reading of programs
- Autocompletion of T'A functions
- Following references, e.g. @price

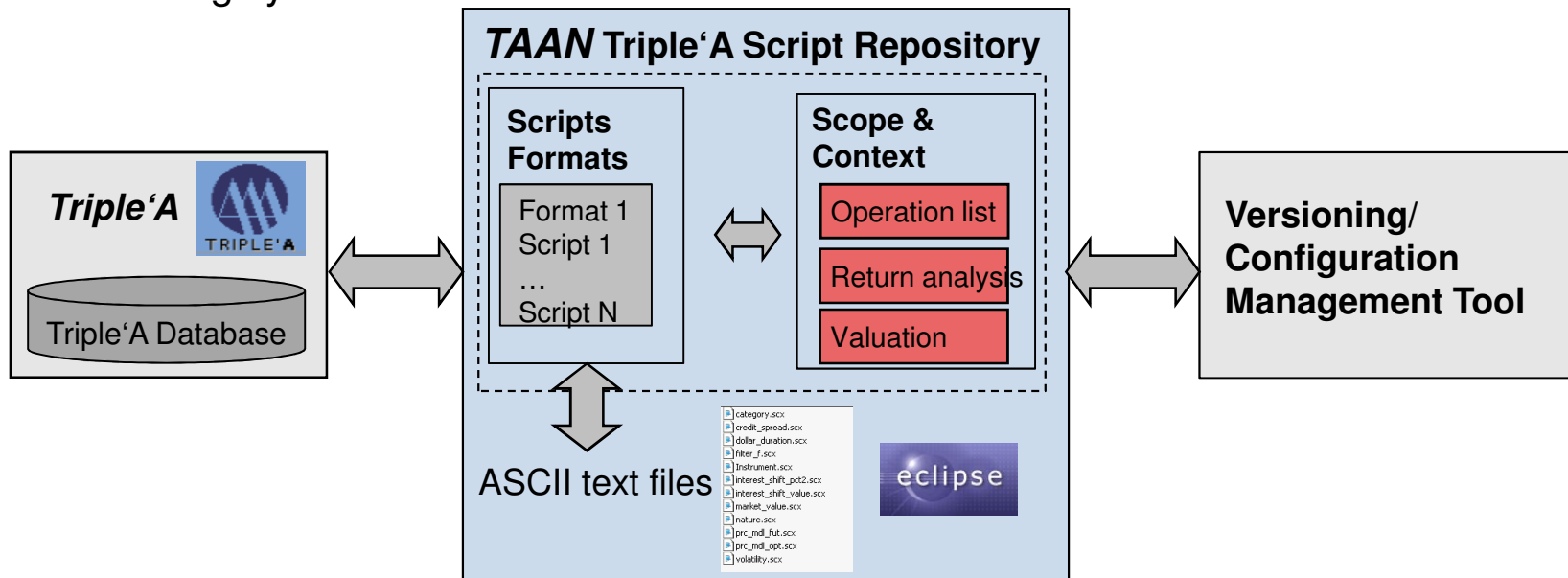


```
95
96(specific filter for binomials)
97((instr_id.nature_e=3 AND ((instr_id.def_model_e=1) OR (instr_id.def_model_e=0 A
98
99(generic filter for the format)
100(
101IF(DOMAIN().risk_exp_f = 1,
102  (then)
103
104  IF((risk_ext_pos_id.instr_id.nature_e IN (10, 21)),
105    (then)
106      acct_f=0
107    ,
108    (else)
109      ((acct_f=1) AND (NOT(instr_id.nature_e IN (1,4,8,9,10,12,13,14,15,16,17,2
110  )
111,
112  (else)
113    ((acct_f=1) AND (NOT(instr_id.nature_e IN (1,4,8,9,12,13,14,15,16,17,23,24)))
114)))
115+
116
117
118(keyword for bonds, money market, dsct, etc...)
119TOT_SUM(AA_DF_BOND(,, INSTR_CHRONO(instr_id.underly_instr_id,DOMAIN().calc_from_d
120
121(specific filter for bonds, money market...)
122(instr_id.nature_e IN (2,5,10,11,19,21)) AND
123
124(generic filter for the format)
125(
126IF(DOMAIN().risk_exp_f = 1,
127  (then)
128
```

TAAN-Repository: Versioning

Versioning

Since TAAN allows generating baselines (T'A script sources as text files), TAAN may be employed as an interface between Triple'A and a standard software versioning system:

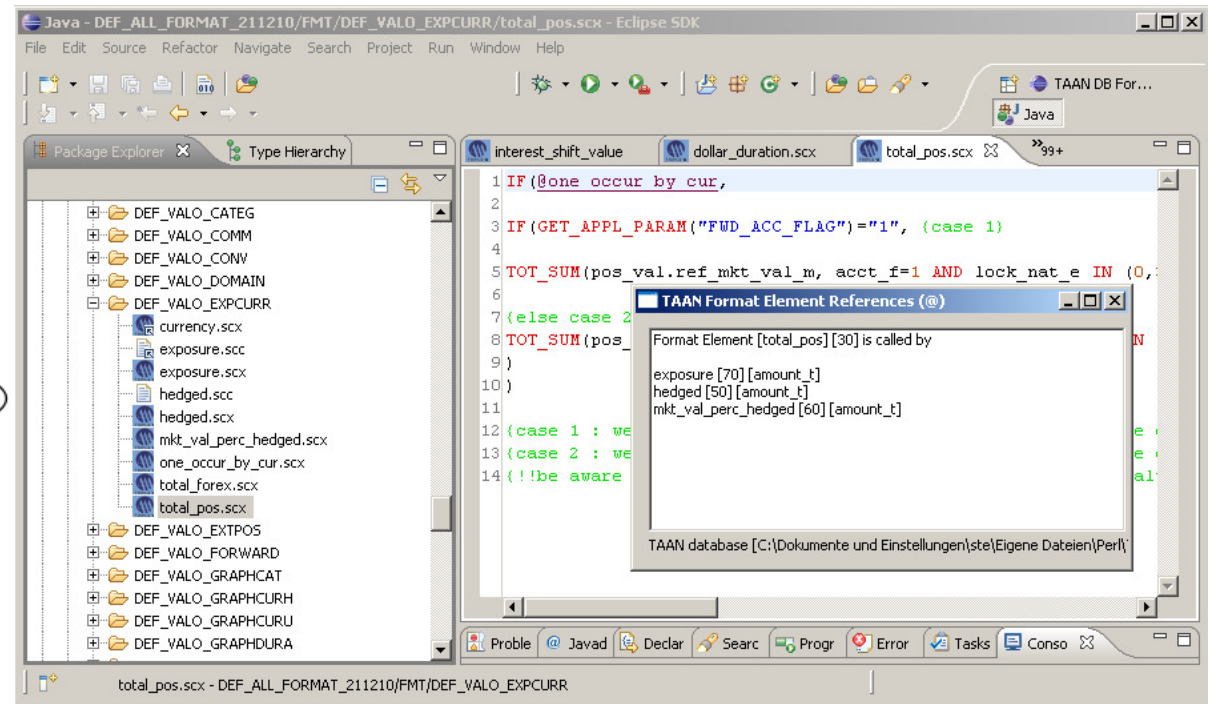
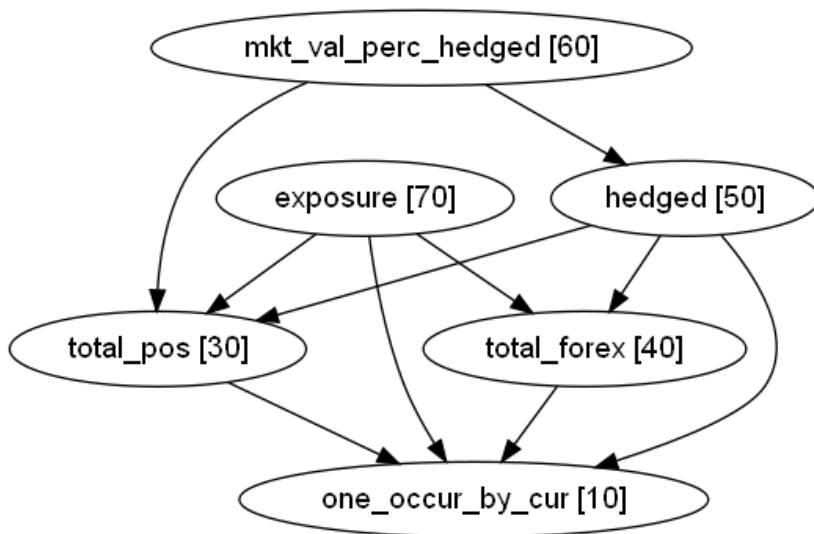


Benefit: Keep track of changes in Triple'A script sources and document script definition's evolution.

TAAN-Application: Cross references in format elements

Example: format element total_pos

- Which script calls **total_pos** (“@total_pos”)?
- Which scripts are called in **total_pos**?
- Which other format elements have the same or similar code as **total_pos**?
- Cyclic/invalid references
- Invalid rank orders



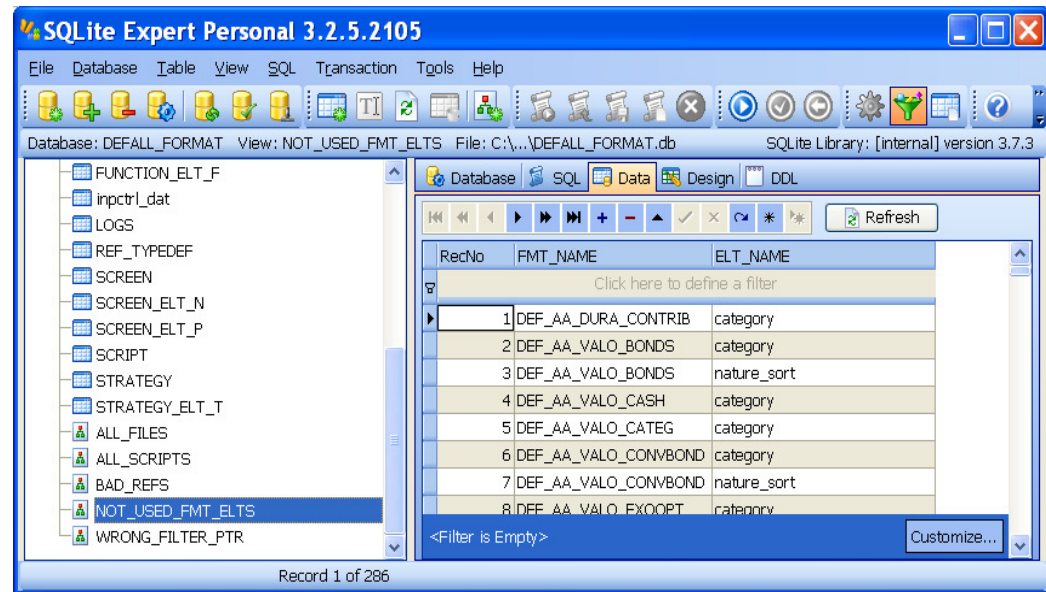
TAAAN-Database: Analyzing scripts

Use existing views to find out:

- Not used format elements
- Not used user defined fields
- Bad filter names in formats

Write your own SQLs

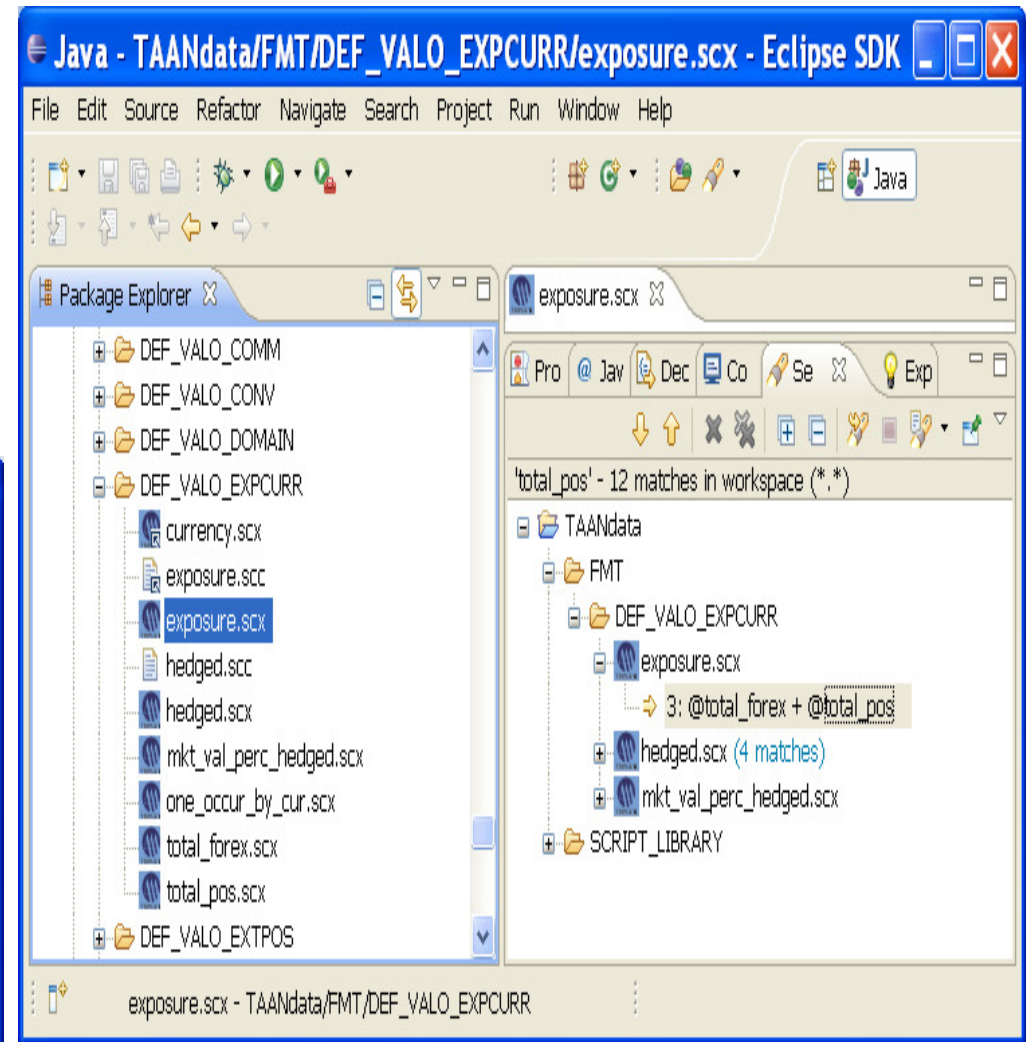
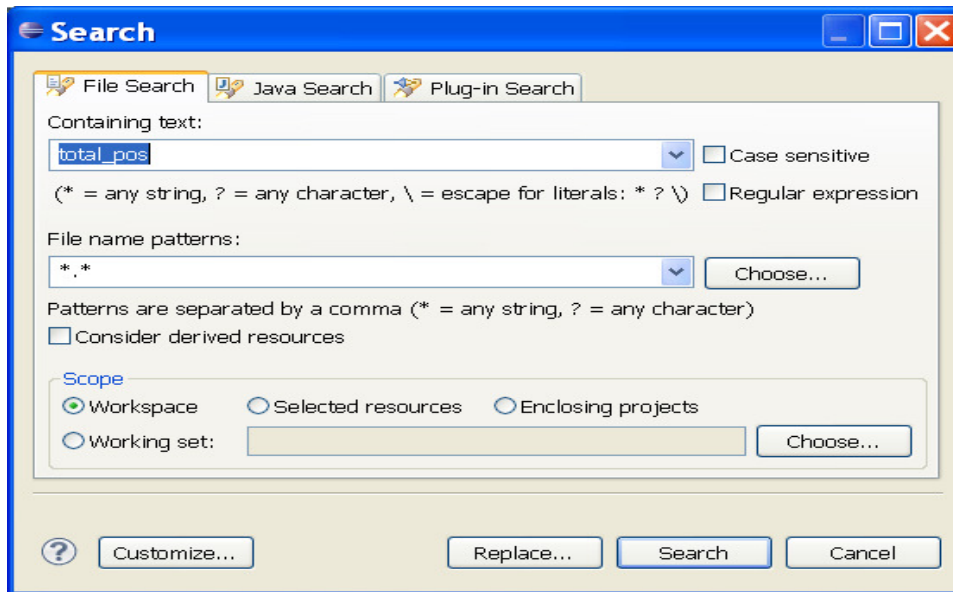
- List of potential ineffective scripts
- Which scripts are (not) documented?
- Who has written which scripts?



TAAN-Search (1): Simple Search of any Expression in any Script

Use the extensive eclipse search features:

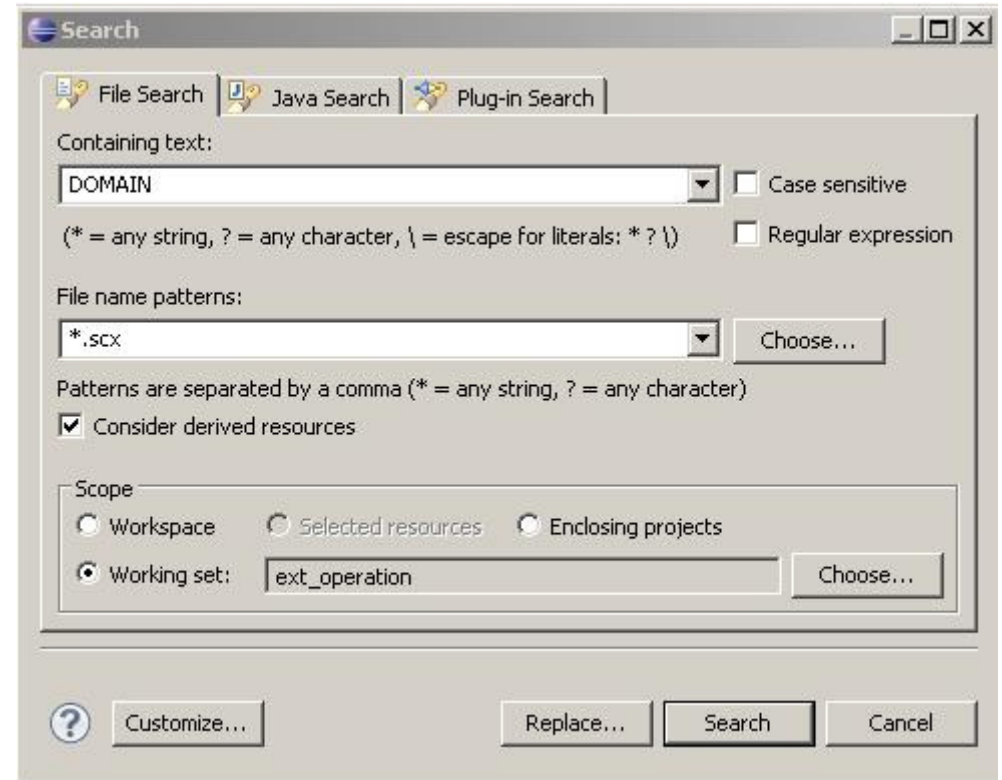
- Normal text search, e.g. for T'A commands or list names
- Regular expression search



TAAN-Search (2): Search Expressions in Entities and Business Functions

Use the extensive eclipse search features:

- Search in Entities: Here in *ext_operation*
- Search in business functions





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