Documentation and analysis for arcplan Enterprise® quick and easy

TRACE MINER

What is *SYNAXUS TraceMiner*?

SYNAXUS TraceMiner is a unique tool that is specifically conceived for the development of arcplan Enterprise – applications and it supports the user optimally in the analysis and documentation of arcplan. Complex application structures and their connections can be made and documented easily and purposefully giving fast transparency through graphic and tabular display options by means of *TraceMiner*.

Performance

SYNAXUS TraceMiner contains a set of carefully thought-out functions, which make it possible to find and document object-specific references, co-ordinated with the arcplan development, to analyse and document. *TraceMiner* offers three programme modules, which consist of the project management, the *TraceMap* and the search function. Access to fast and accurate analysis is guaranteed by the clear project management and interactive reference charts. Furthermore *SYNAXUS TraceMiner* enables you to drilldown to the formula level of individual objects. A further feature exists in the high performance search function, which permits the user with logical AND-/OR-operations to scan a project according to alphanumeric terms, object contents types and database objects.

The key characteristics in a nutshell

- easy and structured analysis of arcplan Enterprise applications
- clear display of the document and object references in a diagram
- drilldown to the formula level
- emphasis of reference-relevant formula syntax
- combined search over logical AND-/OR-links
- creating and storing of individual images and text contents for documentation
- supports various methodological approaches and standard e.g. programming and architecture
- display of the *TraceMaps* in accordance with individual colour profiles
- arbitrary categorization of the arcplan documents
- semiautomated documentation platform
- exports as a single PDF resp. editing Word document possible
- provided as HTML files for other team members

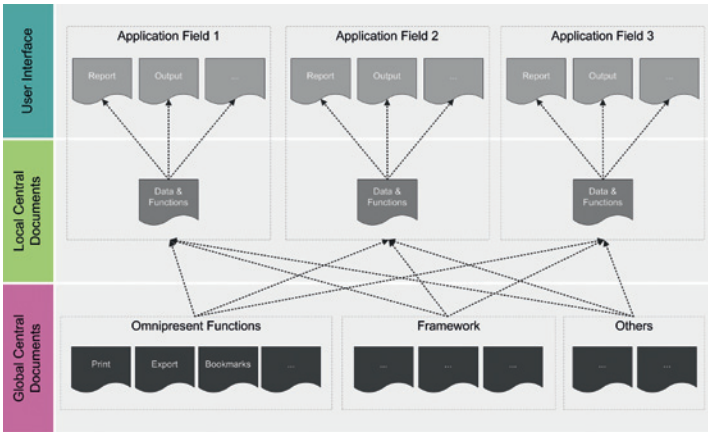

Figure 1

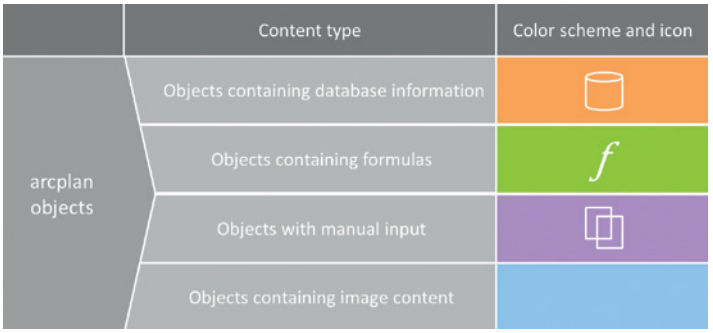

Figure 2

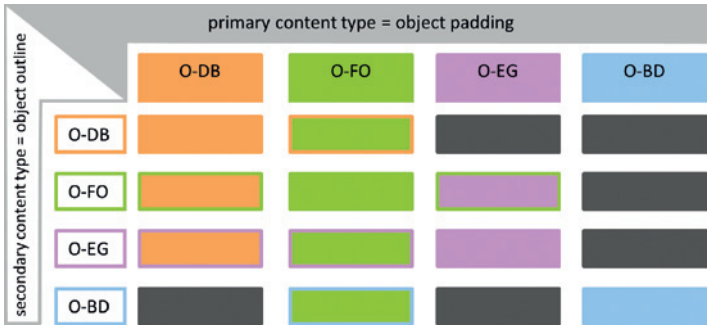

Figure 3

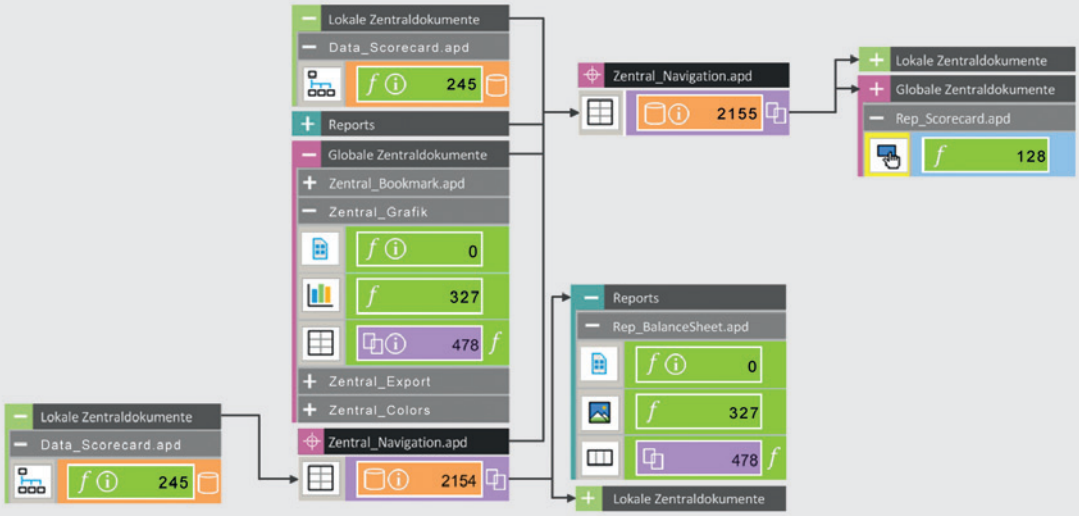

Figure 4

Experienced arcplan developers usually prefer a central architecture, which is based on three logical layers or function levels *(fig. 1)*. The highest layer forms thereby the user interface. It consists of all visible reports resp. arcplan documents. The middle layer contains local central documents, which are intended for the packaging of data and functions of individual ranges of application. Global central documents finally form the lowest function level, whereby data and functions, which are used in the global context are outsourced. The *TraceMiner* offers in this connection a categorization function whereby documents can be assigned to the appropriate application layer. This can be managed by the given categories. Alternatively own categories can be created completely individually and so the documents and with their accompanying respective objects can be visualised in the *TraceMap*.

When using *SYNAXUS TraceMiner* questions and problems around the application design can be answered quickly, easily and effectively by proven methods.

In order to guarantee good legibility of the arcplan report design for all involved developers, it is indispensable to lay down global programming standards. Beside functional and architecture-referred standards, it is just as important to specify a dedicated colour semantics which gives the developer information on how the document is set up, without considering the formula level of individual objects. In addition the usual objects in arcplan receive corresponding formatting characteristics in accordance with a fixed colour scheme *(fig. 2)*. Here it becomes clear which of the four possible contents types (database, formula, input or image) an object is to be assigned to.
In this connection the filled out colour of an object stands for its primary and the framework colour for its secondary affiliation of type of contents. On the basis of a matrix all meaningful combinations can be seen *(fig. 3)*. To a large extent these specifications are sufficient, to achieve more transparency with the report design. Therefore this methodology is cross module manifested in the *TraceMiner* and the colouring of the objects according to type of contents can through individual adjustable colour-semantic profiles be project-specifically steered.

The *SYNAXUS TraceMiner* helps to save valuable time with the development and documentation and therefore it helps to increase cost-efficiency sustainably.

The *TraceMap* depicts a dedicated interaction diagram, which illustrates in and outgoing relations of one resp. and/or several objects. Here the reference paths are in the form of arrows and the objects are coloured according to their type of contents. Hereby the possibility exists to focus the dependent objects throughout the document *(fig. 4)*. Furthermore the *TraceMap* is not exclusively meant to display the diagram of object interactions, it can also show the formulas as well as database contents and/or – connections in the areas underneath. In addition, as many *TraceMaps* as desired can be set up, opened and stored within the framework of an interactive documentation.

Increase your performance and the quality of your arcplan system landscape with the *SYNAXUS TraceMiner* and therefore reach higher satisfaction as well as more acceptance with the users.

For the purpose of the documentation, individual pictures and text contents can be attached to every *TraceMap*. Moreover the current formula contents of the focused object can be indicated and read out. Also an interpretation and a display of the comments deposited in the source code is possible. Apart from storing the *TraceMaps* it is also possible to manifest logical bullet points. Here the respective *TraceMap* with the focused objects are not only stored, but also the individually deposited text and picture contents *(fig. 5)*. Of course all own set up contents can be printed as a single PDF and/or issued as an editable Word document.

SYNAXUS TraceMiner provides a well-founded information basis for transparency and thus more security with expenditure estimations for the project planning.

The Export as HTML-files is also possible, which is suitable for publication and therefore can be made available for other team members *(fig. 6)*. For quality assurance and to show the performance of the document *TraceMiner* provides a KPI, which displays the relationship between the file size of a document and number of containing objects. With this indicator it is easy to determine whether beside meta data there are also data in the document which is not always wanted. With this knowledge, targeted optimizations can be carried out and therefore longer loading times with the import can be avoided. Here the chosen range limitations can be adjusted exactly the same way as the colour semantics over the options.

Advantages

SYNAXUS TraceMiner helps to save valuable time with the analysis and documentation of your arcplan Enterprise applications. Our software supplies a semiautomated documentation function and it also supports you optimally with the trouble shooting. This enables you to improve the quality and the availability of your systems and at the same time it helps to lower development as well as operating costs significantly and sustainably.

Advantages in a nutshell

- overview of complex and extensive projects
- time and cost saving with the production of documentations
- transparency of complex formula connections through a dedicated visualisation via *TraceMaps*
- facilitated error analysis
- fast analysis of arcplan Enterprise applications
- increase the quality and availability of your systems
- decrease the development and operating cost
- supports methodological approaches and standards resp. programming and architecture

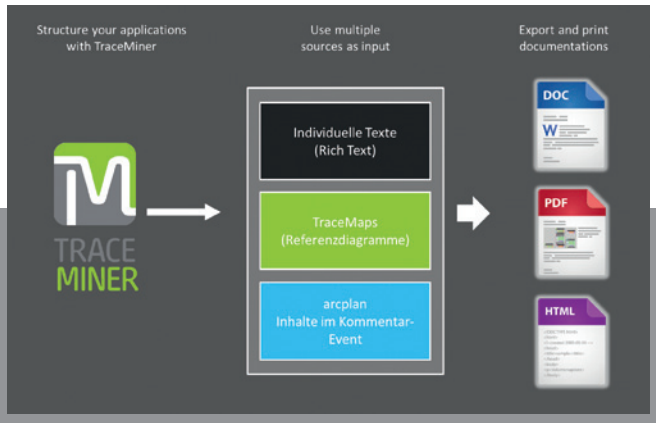

Figure 5

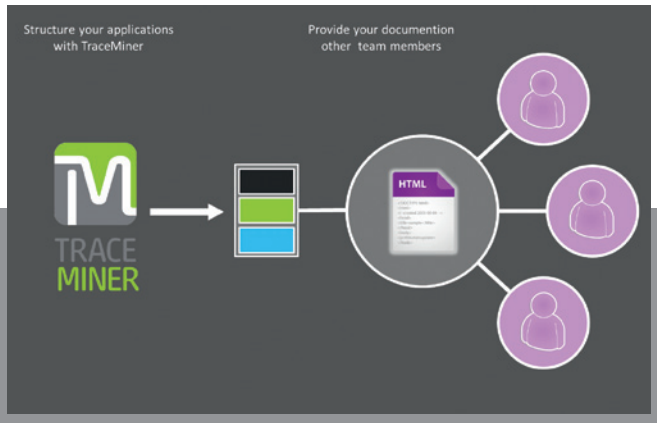

Figure 6

SYNAXUS TraceMiner supports the arcplan user in the context of application development within the following areas:

- Developing and maintaining arcplan applications
- Project planning (e.g. it helps estimating development costs)
- Documentation
- Quality assurance

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SYNAXUS BI Solutions

www.synaxus.de | traceminer@synaxus.de