CORISTO SAP OBJECT STRUCTURE EXPLORER





Coristo SAP Object Structure Explorer



BUSINESS CONTEXT

- Creation of an easy-to-use solution in which SAP objects such as routings, production orders, functional locations or similar can be displayed and navigated very simply (=> consumer solution).
- Assigned documents, manufacturing instructions, 3D visualised assembly instructions or 3D models can be navigated directly, i.e. all relevant documents can be made easily available.
- In particular, a **bidirectional integration between** the **3D view** and the **structural representation** was created so that it is possible to navigate intuitively.

REALISIERUNG

- \checkmark The solution is available as
 - Web HTML5 solution (SAP UI5), which can be used directly in the browser or on mobile devices (e.g. iPad or Android tablet – responsive design) and can be operated with FingerTouch.
 - ✓ SAP GUI version (with navigation options directly in standard transactions).

FIRST IMPRESSION OF THE EXPLORER

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THE EXPLORER OFFERS:

- a bidirectional display between a structure and visual representations.
- The display of various business objects with freely definable search helps:
 - Production Order,
 - Functional Location,
 - Routing, and more.
- a history of the most recently viewed objects per business object.

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> 웥 0120 L 14944	Tire 130 / 70 12"	
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> 🏖 0270 L 14967	Rear Outer Body ER25 Complete	
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- The Explorer focuses above all on the idea of making the information on SAP business objects accessible from anywhere.
- For this reason, the Explorer was converted into a **web version** in the **SAP Fiori environment**, so that the information is accessible from all devices (PC, smartphone or tablet).
- In this way, the information required in a wide range of business processes can be accessed easily, adapted and updated (redundancy-free) at any time.
- However, an SAP GUI version is still available. Due to the improved integration in standard functions of the SAP system, it is possible, for example, to provide an easy navigation to the maintenance transactions of a business object or to use the full potential of the SAP Visual Enterprise Viewer.



Objective of the solution

- The Coristo Explorer is a way of displaying any SAP documents for a business object.
- The information is provided directly from the SAP backbone.
- Easy navigation and reduced, customized information.
- Display of different document types possible.
- The solution is easily extendable and customizable.



DISPLAY OF ANY SAP BUSINESS OBJECTS

- Any business objects can be represented as so-called contexts, these include:
 - Production Order
 - Routing
 - Maintenance order
 - Material Master
 - Network plan etc.





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REDUNDANCY FREE INFORMATION

- The information displayed in the explorer is redundancy-free.
- This is because the information displayed at each resolution is the current data from the backbone of the underlying ERP system.





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DISPLAY OF ANY SAP BUSINESS OBJECTS

REDUNDANCY FREE INFORMATION

SIMPLE NAVIGATION

- Independent on the business object, the navigation behaves in the same way. This leads to simple and intuitive navigation.
- Likewise, only the information on the business objects that is desired is displayed. This efficiently bundles the information to be displayed.



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DISPLAY OF ANY SAP BUSINESS OBJECTS

REDUNDANCY FREE INFORMATION

SIMPLE NAVIGATION

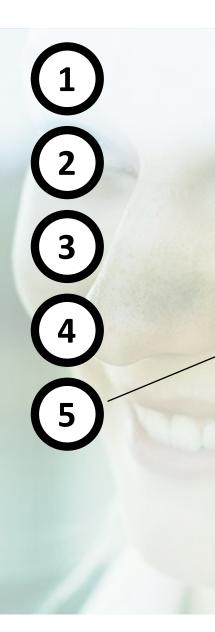
DISPLAY OF VARIOUS DOCUMENT TYPES

- In the browser, information on various business objects can be used inplace by default (without an additional application).
- This includes documents in .pdf, .jpg, .vds... formats.
- This means that 3D viewing is also possible by default.



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DISPLAY OF ANY SAP BUSINESS OBJECTS

REDUNDANCY FREE INFORMATION

SIMPLE NAVIGATION

DISPLAY OF VARIOUS DOCUMENT TYPES

EASY EXTENSIBILITY

- The solution is very easy to expand.
- This is because the solution has its own customizing view via which new contexts (SAP business objects) can be easily added.
- For a new context, only a class has to be implemented that controls the expansion logic (possibility to integrate customer-specific logic via BAdIs / extensions).



CORISTO EXPLORER – EXAMPLES OF THE UI5 / FIORI VERSION

Coristo SAP Object Structure Explorer

EXAMPLE CONTEXTS IN THE CORISTO SAP OBJECT STRUCTURE EXPLORER



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- > The SAP objects listed are only examples.
- These can be freely selected and extended as desired.

- Material Master •
- Document info record •
- Batch
- Routing ۲
- **Production Order** •
- Equipment •
- **Functional location** •

ANY DOCUMENTS (HERE TO THE MATERIAL MASTER)



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5/28/2021

ANY DOCUMENTS (HERE TO THE DOCUMENT INFO RECORD)



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ANY DOCUMENTS (HERE FOR A BATCH)



BATCH

A batch is exploded with the material master assigned to it.

The documents for the material master are displayed.

You can see an original that corresponds to a PDF file for a sample delivery note.

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ANY DOCUMENTS (HERE ON THE ROUTING)



ROUTING

The corresponding routing is displayed for a material master.

The routing operations with the associated assemblies are displayed.

A .VDS file is displayed that is assigned to operation 0010 as a production resource/tool.

The file has a bidirectional link with the assemblies of the eScooter.

Thus, the handlebar is coloured red when it is clicked in the structure.

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ANY DOCUMENTS (HERE FOR PRODUCTION ORDER)



PRODUCTION ORDER

The corresponding production order is displayed for a material master.

The document info record is read for the material master and the production resources/tools (PRT) are read for the routing.

A PRT is assigned to operation 0080 - Steering assembly.

The PRT is a document whose original is in .PDF format and is displayed.

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EQUIPMENT

The relevant documents are read for a equipment.

A graph showing the machine data can be seen. The original file is available as a .JPG file.

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ANY DOCUMENTS (HERE A FUNCTIONAL LOCATION)



FUNCTIONAL LOCATION

The assigned documents and the pieces of equipment that make up the structure are read for a functional location structure.

You can see a .VDS file of the entire functional location structure.

The pieces of equipment 10000028 and 10000029 are assigned to this structure.

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SIMPLEST SEARCH - FROM DIRECT SEARCH TO THE SIMPLE POSSIBILITY OF USING BACKEND SEARCH HELPS

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294 291

Abbrecher



SEARCH HELPS

It is possible to use different and also several search helps.

These can easily be stored as parameters in customising.

In this way, customer-specific search helps can also be realized (backend search helps).

On the right hand some different search helps.

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