arKItect ④

Model Driven Engineering

Bojan Arnaudovski December 2013

Introduction



- Representation and Design of complex, hierarchical systems
- First version in 2007 by Knowledge Inside (Samuel Boutin, Joe Matta and Konstantin Smolin)
- Renault, Cheuvreux, Bouygues, PSA, Ansaldo STS, EADS, Thalès (satellites), EDF and Schneider Electric





- Graphical representation
- Generation of documents/reports (XML, Word, Excel and HTML)
- Two user types:
 - Developer (hierarchical and graphical system representation, multiview visualization, variants management and additional functionalities along Python scripting)
 - Designer (defining your own modeling language and multiple views on the system)



arKltect Designer

- Rules and Filters panel, Internal Block Diagram/Relation Block Diagram/Tabular view and palette of the object representation
- Define Rules (Objects, Flows)
- Define Filters (Projections)

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Designer Environment

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- two ways for collaboration between users
 - share a project (saved on a server (HTTPS connection) not locally)
 - alert and notifications by email
 - within arKItect
 - Python Script
- Versioning in arKItect (History, Comparison and rging)



- Import/Export data (XML, Word, Excel and HTML)
- Python Scripts
- Performance (cleaning ports and charging the diagrams)



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[18:37:40] Hello, World! [18:37:40] ===={ Script Execution Terminated }====================================	*					
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References

- arKItect documentation, <u>https://support.k-inside.</u> <u>com/display/ARKI22/arKItect+2.2.x+documentation+home</u>
- arKItect page, <u>http://www.k-inside.com/web/</u>

