

Seamless Integration of Capella with Jira and Confluence

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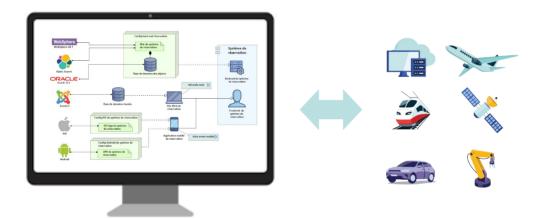
- Short presentation of Obeo & SodiusWillert
- Problem Description
- Solution via Publication for Capella and Atlassian
 OSLC connectors
- Demonstration
- Conclusion





Obeo | Visual Tools for Designing Innovations

We develop cutting-edge **modeling** software to empower teams designing or transforming complex systems





Domain-Specific Modeling



Capella Model-Based Systems Engineering



Continuous Enterprise Architecture





We are a global reference player in the field of open-source



Number of FTE days of open-source contributions in 2023





Obeo Offer



Open-Source Software



Commercial Software



Services

Domain-Specific Modeling



Collaboration add-ons

Cloud Plateform

- Custom Workbenches Development
- Open-Source Core Development
- ✓ Support & Expertise
- ✓ Training

Model-Based Systems Engineering





Collaboration add-ons

System Modeling Workbench

- ✓ Integration
- ✓ Add-ons Development
- Open-Source Core Development
- ✓ Training

Enterprise Architecture

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- ✓ Custom Development (connectors, extensions, ...)
- ✓ Expertise
- ✓ Training



copyright open

Sodius/Willert

About Sodius Willert

SodiusWillert is a Global Software Company specialized in engineering data interoperability.

We develop software tools that facilitate the exchange of engineering data across systems and software development appliications such as IBM ELM, Siemens Polarion, CATIA MagicDraw, PTC Windchill, and more, to:

- · improve collaboration across engineering domains,

· facilitate end-to-end traceability and, accelerate systems and software development projects. What we do: Tool connectors (OSLC Connect for Jira, Confluence and Windchill) Systems model converters (Publisher, M2M) Digital thread platform (SECollab) • Productivity tools (DXL Editor Pro)

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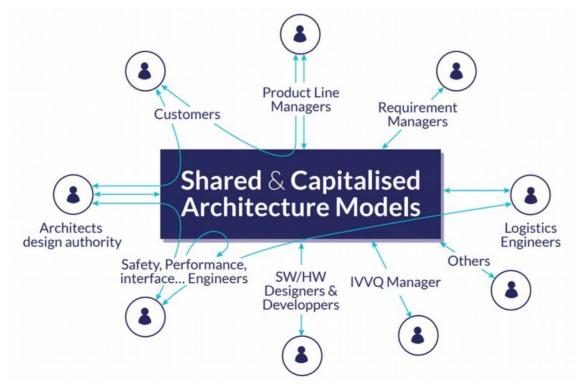
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Architecture becomes the central place of the system

- Therefore, all project artifacts must be able to be connected to architectural elements.
- Different actors should access to the architecture with their own needs.

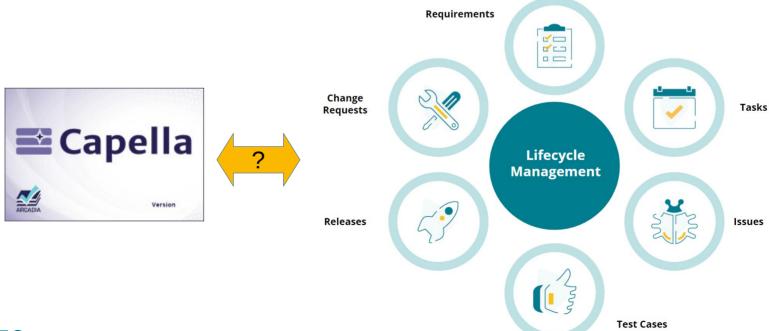






Problem Description

How to integrate architecture in the lifecycle management?



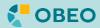




Challenges

How to:

- Integrate Capella elements into the System Engineers toolchain smoothly?
- Easily trace change requests to architecture changes?
- Easily **share** models elements with other stakeholders than system architects?
- Share and make system architecture easy to understand and navigate for other stakeholders?
- **Ensure a consistent** and updated information in the system engineering toolchain?



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Solution

Publication for Capella

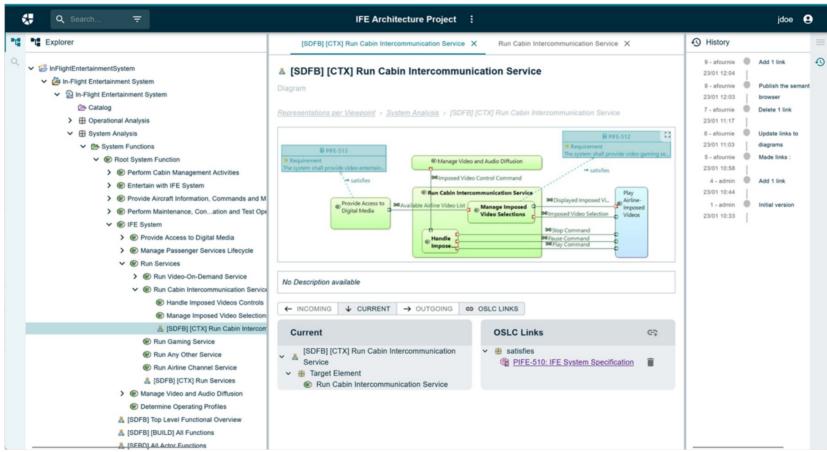
- To share Capella models on a web server
 - So any architecture element can be easily accessed via web browser.
 - Preview, advance search, tabs ... simplify the sharing and dissemination of architectural dat.
- To support traceability
 - Links can be established between any **ALM element** (Requirement, Change Request, Bug, etc.) and any **Capella element**.
 - Links are accessible everywhere: in Capella, online in Publication or in the ALM.





Solution

Publication for Capella





Sharing Capella models and ease dissemination

Confluence

- Share information via live docs and pages.
- Thanks to Sodius/Willert addon and P4C, insert any Capella element or diagram anywhere inside your Confluence pages:
 - Configurable display of Capella element.
 - No development, no scripting, no files to manage, no synchronization strategy: everything is done dynamically.
 - Information in your Confluence pages are always consistent with your architecture.





OSLC Connect for Confluence

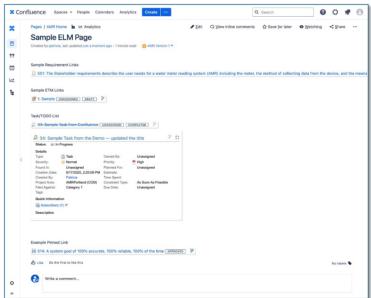
OSLC Connect for Confluence is the solution to blend the ease of creation with Confluence with the rigor and control of engineering assets. Building on the Confluence foundation users can reference and preview engineering resources. Now Confluence can be the hub of communication but eliminates updates and security concerns of sharing engineering content.

Atlassian approved plugin installed directly in Confluence. Try it free on the Atlassian Marketplace!



https://marketplace.atlassian.com/1226986

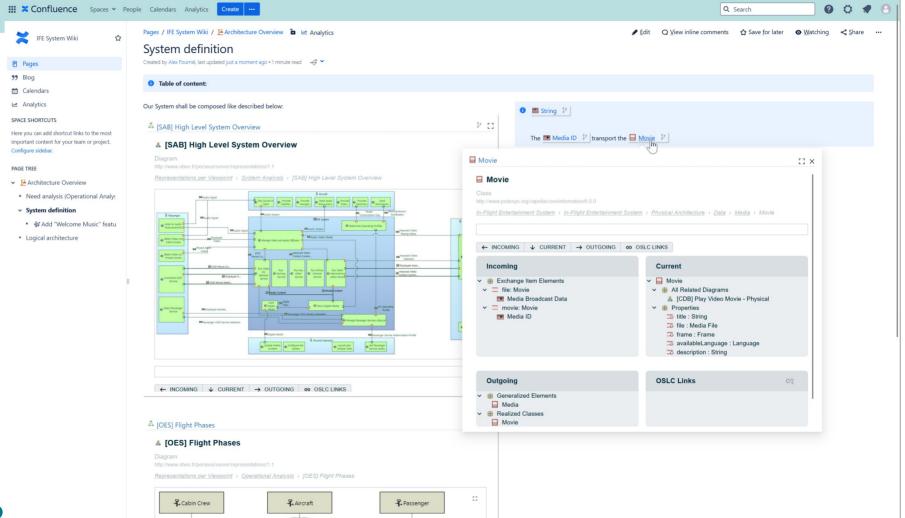








Solution



Boarding

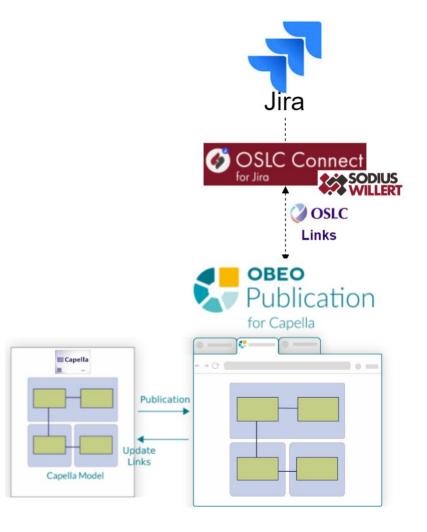




Solution

Link architecture to change management

- With Sodius/Willert addon and P4C, easily create links between Jira issues and architecture elements or diagrams.
- Bidirectional traceability.
- Thoroughly configurable.







OSLC Connect for Jira

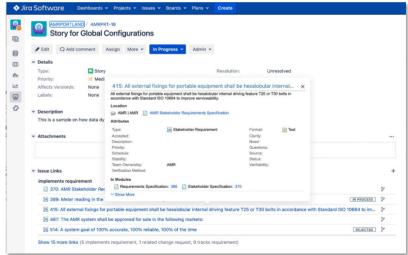
OSLC Connect for Jira is the solution to enhance the engineering capabilities of Jira. It enables Jira to securely and rigorously link to remote engineering assets, creating visibility and flow without the need for copies, data clones, or synchronization. Add Jira to your enterprise digital thread enabling bidirectional navigation and cross-tool reporting with an open standard.

Atlassian approved plugin installed directly in Jira. Try it free on the Atlassian Marketplace!



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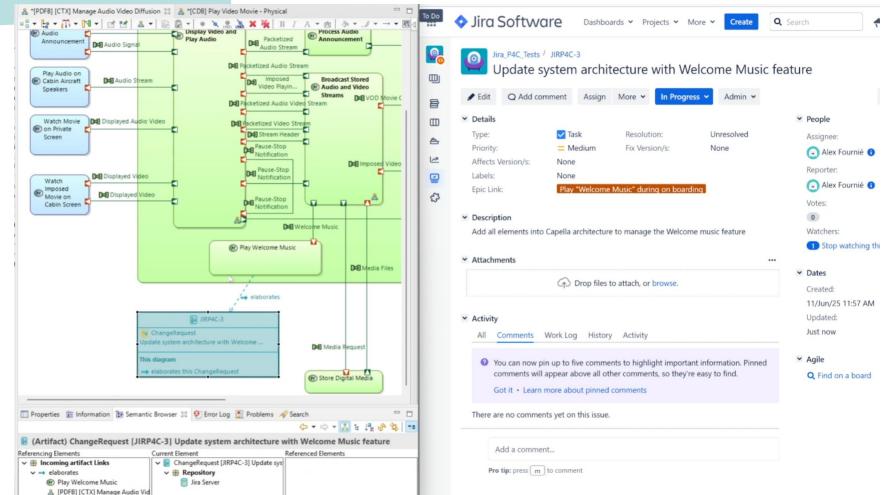






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Demonstration

• Showcase the addition of « Welcome Music » function to IFE project :

- Handle changes with Jira tickets
- Share the new function elements in Confluence
- Update Capella architecture
- Trace architecture updates with Jira requests
- Show the easy navigation and always consistent information across apps

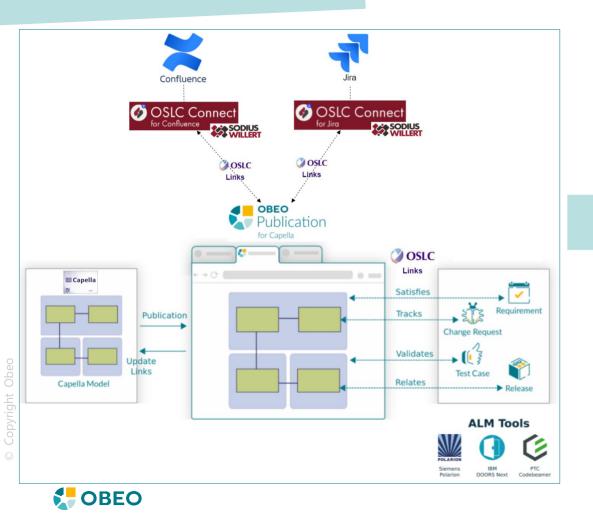


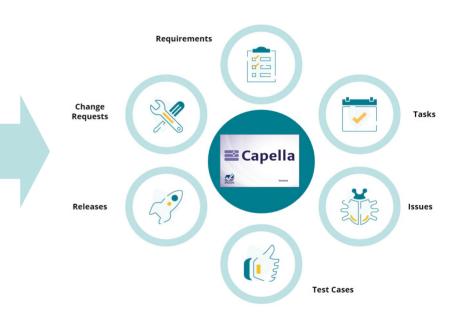
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Conclusion





Roadmap

Publication for Capella:

- Version Control
 - Baselines, branches, load previous architecture version..
 - Comparison of objects or models online
- Global Configuration Management
 - Increase our support of Global Configuration
- Model Review
 - Discuss about models online
 - Implement review workflows

Sodius/Willert Atlassian addons:

- Publication for Capella Drag and Drop Support
- Support for Oauth2 (in addition to existing Oauth1.0 support)
- Resource Attribute updates in Jira (for Automations)



Next



https://obeosoft.com/p4c



https://www.sodiuswillert.com/en/products/oslc-connect-for-jira



https://www.sodiuswillert.com/en/products/oslc-connect-for-confluence

