Syndeia 3.1 Webinar - Jun 14, 2017, 1-2 PM US ET

Questions and Answers

(1) What happens if the schemas of the two tools are not perfectly aligned? Can you still do synchronization?

Current version of Syndeia (3.1) provides a default semantic mapping of concepts between tools. If the mapping exists, then you will be able to generate models, compare, and synchronize. There will be a new mapping capability coming out in the next release (3.2) which will let super users define/extend their own mappings between concepts in two different tools/repos/domains. We need to ensure that the source and target schemas are mapped, either by default or user-defined, before we can transform. Both homogenous and heterogenous transformations are supported.

(2) It seems annoying that the diagram layout gets overwritten each time you synch. Are there plans to maintain the user-updated layout?

Yes, that is also planned for next release (3.2). Syndeia is written independent of a SysML tool and diagram semantics (layout, sizing, etc.) are not part of the standard SysML 1.x. Hence, layout synchronization between SysML - Simulink/Stateflow is not included in 3.1 but will be in the next release.

(3) Does the integration with Jama allow trace links to be created from within the UML/SysML modeling tool?

Yes, Syndeia creates inter-model connections between SysML requirements and Jama requirements, either automatically when you generate/synchronize one from the other, or when you manually create it between pre-existing SysML requirements and Jama requirements.

(4) When is the next release due? Semantic mappings are vey important to my organization.

Syndeia 3.2 is the next major release, and planned for Fall 2017. You should go ahead and try Syndeia 3.1 and check if the pre-defined mappings work for you. For several of our customers, the pre-defined mappings are sufficient to start with. Even if you have extended the base concepts in a PLM system, for example, Syndeia will still be able to work with it. Contact us to learn more.

(5) Will we need bundle licensing for several tools or is everything included in one license?

Syndeia has a base license which includes the basic features, e.g. Excel interface and graph

visualization. Thereafter, you can add licenses to the specific tool interfaces you need, e.g. Windchill, Teamcenter, etc. You can opt for node-locked or floating license.

(6) Is there a list of the model mappings that you have already done?

Yes, Syndeia has integrations to the following. More interfaces and capabilities are being planned for the next release.

- PLM - Teamcenter, Windchill
- CAD - NX, Creo
- Simulation - Simulink, Stateflow
- ALM - JIRA, GitHub
- Requirements - Jama, DOORS-NG
- Databases - MySQL, Cassandra, Neo4j
- Others - MS Excel

Please visit this link for all features in Syndeia 3.1.
http://intercax.com/wp-content/uploads/2015/06/Syndeia-Features.pdf

(7) Are specific versions of the tools (or components) required? For example Teamcenter?

We often establish a baseline release and support all versions after that baseline. For Teamcenter, the base version is 9.1. So, Syndeia 3.1 will work with all versions beyond that.

(8) Do you see Syndeia as the "master model" repository for MBSE?

We are increasingly seeing that organizations are federating engineering data for their systems versus putting everything in a single repository from a single vendor. This allows organizations to use the best-in-class tools from multiple vendors. Syndeia plays a crucial role in making this happen. It helps create, manage, maintain this federation that we call the "Total System Model", without forcing the data to be in a single repository. Other equivalent and popular names of the "Total System Model" are "Integrated System Model", "Digital Twin", "Digital System Model". In that sense, Syndeia is the configuration management (CM) system for multiple CM systems (such as PLM, ALM, Databases, Cloud repos). It manages the configuration of the Total System Model and tracks all the versioned model elements from multiple CM systems that are participating in the Total System Model.

(9) Is there any type of open collaboration to contribute to Syndeia development and support for specific tools ?

Yes. Every major feature in Syndeia has been customer-funded. We engage in both short- and long-term projects with customers to develop new features, interfaces, and extensions. We also do specific extensions of Syndeia for specific customers. We have several of these

projects going on right now for the next set of capabilities in Syndeia. We truly cherish working closely with customers when designing and developing new features in Syndeia.

For any further questions or comments, please feel free to reach us:
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