

Controller Core Functionality Tutorials proposal

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Name

Controller Core Functionality Tutorials

Repo Name

coretutorials

Description

The Tutorials project is focused on developers, to facilitate:

- New Project Onboarding: Tutorials for foundational projects, or projects early in the dependency tree; that a new project would need to understand and leverage to get started
- Documenting a standard project structure (i.e. Archetype) from the standpoint of a 'paint-by-numbers' approach in a templated fashion
- This will result in:
 - Re-usable pieces of code/configuration
 - Standardise "best-practices" coding patterns

It is using a wiki-based walk-thru format with a 'chaptered' approach. Checkpoints are downloadable along the way from a single OpenDaylight repository. With this in mind, it is intended to eventually move to the ascii-docs format, so that Tutorials would be embedded in the release they pertain to.

It is intended to cross (sub-)projects/components such as:

- Config Subsystem
- MD-SAL/YANGTOOLS
 - Datastores, Messaging, Notifications
 - Inventory, Topology
- OpenFlowPlugin and OpenFlowJava
- NETCONF / RESTCONF

Projects (and where relevant, specific sub-projects) considered in scope (from <https://wiki.opendaylight.org/images/0/03/ODL-Helium-dependency.png>):

- Controller
 - MD-SAL
 - Clustering (potential)
- Yangtools
- OpenFlowJava
- OpenFlowPlugin

Work to date can be found here:

- [Project Main Page](#)

Related documentation/tutorial activities currently on the wiki but may move to ascii-docs too and possibly this project's repository:

- [Overall Architecture](#)
- [Config Subsystem Sub-Project](#)
- [MD-SAL Sub-Project](#)

Alternatives Considered

The Documentation project succinctly addresses **Usability** i.e. a broader audience's ability to use the OpenDaylight controller (i.e. End-users, Operators, Developers) It also provides a per project format/structure (and hence does not cross project/component boundaries)

While considering if we could merge this activity with the Documentation project, it was felt by members of the MD-SAL Hackers meeting (where this idea originated) that the goals differed significantly enough that it shouldn't be bundled; and due it's cross-project nature, required a separate repository.

It is NOT a replacement for per project documentation, nor a place for specific projects outside of core functionality to store Tutorials. If the format is useful, it maybe helpful for projects to adopt a similar framework for their tutorials.

Scope

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Resources Committed (developers committed to working)

- Keith Burns (alagalah@[gmail.com](mailto:alagalah@gmail.com))
- Jan Medved (jmedved@[cisco.com](mailto:jmedved@cisco.com))
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Initial Committers

- John Burns (johnburn@[cisco.com](mailto:johnburn@cisco.com))
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- Ed Warnicke (eaw@[cisco.com](mailto:eaw@cisco.com))
- Tom Pantelis (tompantelis@[gmail.com](mailto:tompantelis@gmail.com))
- Keith Burns (alagalah@[gmail.com](mailto:alagalah@gmail.com))

Vendor Neutral

- No vendor package names in code
- No vendor branding present in code or output of build

Meets Board Policy (including IPR)

Yes.