2022.03 Sulfur Platform Overview

LF NETWORKING

LFN Developer & Testing Forum

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Agenda

- High-level release overview
- Per-project updates
- Upgrade resources

Release overview

- Final release to support Java 11

  - both Java 11 and Java 17 are fully supported

- Final release to support old RESTCONF interface

  - not installed by default, needs to be explicitly requested

- Major improvements in YANG parser scalability

- Improvements to default datastore reliability

Release overview (contd.)

- Major improvements in YANG parser scalability

  - Up to 5.3x memory footprint reduction

- Improvements to default datastore reliability

  - Tell-based protocol + Akka Artery used by default

Updates: odlparent

- Minimum maven version is 3.8.3
- JUnit 5 is supported out of the box
- Karaf features tested when building with Java 17
- All-around upgrades:

    - karaf-4.3.7, jetty-9.4.46, jackson-2.13.2, etc.

- Removed declarations

    - Powermock, Xtend, H2Database

- CycloneDX SBOM by default
- Full release notes

Updates: yangtools

- SchemaNode.getPath() removed
- 'unique' statement validity is enforced
- Cross-version imports/includes validated
- 'type decimal64' uses a dedicated type
- [Full release notes](#)

Updates: infrautils

- Caches removed
- Metrics moved to serviceutils
- Guice 5.1.0
- [Full release notes](#)

Updates: mdsal

- No longer use yangtools.concepts.Builder
- Removed duplicate versions of models
- 'leaf-list' Binding mapping updated

    - List or Set based on 'ordered-by'
- Full release notes

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- [Full release notes](#)

Updates: controller

- Datastore uses Tell-Based Protocol
- Akka Artery uses less memory
- [Full release notes](#)

Updates: netconf

- Old RESTCONF not installed by default
- RFC8040 rejects consecutive slashes
- NETCONF call-home uses port 4334
- Improved RESTCONF performance
- [Full release notes](#)

Upgrade resources

- [Platform upgrade guide](#)

    - common problems and solutions

- [Platform versions](#)

    - Versions of platform artifacts

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Questions?

Thank you for attending!

- **Useful links**
  - pantheon.tech
  - opendaylight.org
  - wiki.opendaylight.org

- ODL @ PANTHEON.tech

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