

Available Releases

Following are the currently available Resource Aggregator for Open Distributed Infrastructure Management (ODIM RA) releases via GitHub:

[ODIM RA 22.08 Release](#)

New Features

- Added the following new properties in ODIM RA managers:
 - ManagerForChassis
 - ManagerForServers
 - ManagerForManagers
- Added task support for System reset
- Added task support for UpdateService
- Support for IPv6 address to send API service requests for the northbound access of ODIM RA
- Support for adding servers with IPv6 address as an aggregation source
- Support for managing BMC accounts and roles
- Support for specifying rate limits to limit:
 - Resources for the same requests multiple times
 - Number of concurrent API requests sent per session
 - Number of active sessions a user can have
- Support for the following operations on LicenseService APIs:
 - GET on /redfish/v1/LicenseService
 - GET and POST on /redfish/v1/LicenseService/Licenses
 - GET on /redfish/v1/LicenseService/Licenses/{Licenseld}
- Support for configuring the number of reposting instances and specific time interval for undelivered events
- Support for updated DMTF Redfish Specification version 1.15.1 and Schema version 2022.1
- Support for updated Redis database version to 6.2.6
- Support for updated Kafka version to 3.1.0 and Zookeeper version to 3.7.0
- Support for updated Kubernetes version to 1.23.5 and Kubespray version to 2.17.0
- Support for event subscription with aggregates as OriginResources
- Support for event subscription for destinations with IPv6 address
- Support for Redis authentication for ODIM RA in Kubernetes environment
- Support for GET operation on Volume capabilities
- Enabled TLS based communication for Redis
- Updated the volume creation payload as per Redfish specifications
- Updated UT coverage for ODIM RA services
- Updated sample responses for all services based on the latest DMTF Redfish Specification 1.15.1 and Schema 2022.1 versions
- Updated Docker image versions for Kubernetes and ODIM RA services and plugins
- Updated documentation - Instructions for time synchronization between the deployment node and the cluster nodes
- Updated documentation - Sample response for the GET operation on the collection of message registries
- Updated documentation - Support for generating and importing certificate for the server before adding the server
- Updated documentation - Content for all services and plugins in their respective directories in the ODIM-Project repository
- Updated documentation - List of supported APIs and supported Redfish services in the API documentation
- Updated documentation - For protoc compiler installation and usage

[ODIM RA 22.04 Release](#)

New Features

- Support for Redfish CompositionService 1.2.0
- Support for Redfish ResourceBlock 1.4.0
- Support for Redfish Zone of type ResourceZone
- Support for Compose and Decompose actions

Known Issues/Limitations

- CompositionService does not produce any events. Composability related events are not part of this release.
- ResourceZone instance does not have Collection capabilities represented.
- Composed system does not support Add or Remove ResourceBlocks actions.
- CompositionReservations are not supported for the current ODIM RA infrastructure.

[ODIM RA 22.02 Release](#)

New Features

- Support for Lenovo Plugin
- Supported OS version is Ubuntu 20.04
- Support for RedisStreams message bus
- Support for StoragePools and its subordinate URLs
- Support for audit logs and security logs (authentication/authorization logs in syslog format)
- Updated ODIM RA for initial OCP compliance
- Removed weak ciphers and added secure ciphers
- Updated DMTF Redfish schema version to 2021.2

- Updated Kubespray version to 2.14.0
- Updated Kubernetes version to v1.21.5
- Updated Golang version to 1.17.2
- Cache-control header value is updated with no-cache, no-store, and must-revalidate values
- Updated common headers for all resources
- Added new error message in lib utilities
- Increased the channel buffer size used for processing events
- Removed hard coding of the queue name and reusing internal queue for resource and task events
- Replaced colon (":") with period (".") character in resource identifier URIs
- Removed compiled proto files from the GIT repository
- Deployment of Kafka is skipped if message bus is RedisStreams
- ODIM RA services and plugins versions are updated
- Added ManagerForChassis and ManagerForServer properties for plugin managers
- ODIM RA internal events are updated with EventTimestamp, Message and Severity properties
- ODIM RA services and plugin images are updated to Ubuntu 20.04
- Additional troubleshooting information

Known Issues/Limitations

- Session creation captures a warning message under audit logs.
- Deletion of the default roles 'ReadOnly' and 'Operator' must not be allowed.
- @odata.type of SubTasks is #SubTasks.SubTasks instead of #TaskCollection.TaskCollection.
- "SerialInterfacs" under BMC manager has an extra 's' character.
- "DateTime" property under ODIM RA and plugin manager must be in UTC format.
- "Certificates" property value under Drives resource is empty.
- New role creation must not be allowed.

[ODIM RA 21.08 Release](#)

New Features

- Support for Redfish TelemetryService
- Migrated go-micro to gRPC framework
- Kubernetes based deployment. Supported configurations are:
 - One-node deployment
 - Three-node deployment
- Redis, Kafka, Zookeeper and etcd in High Availability mode (deployed only on master nodes)
- Customized "odim-controller" deployment tool for Kubernetes and ODIM deployment and operations
- Support for encoded URLs
- VirtualMedia Insert and Eject operations
- Enhancements in lib-persistence-manage package
- Updated Redis database from 5.0.8 to 6.2.5
- Updated DMTF Redfish schema version to 2021.1
- Basic implementation of a plugin to support Dell servers
- Basic implementation of a plugin to support [Cisco ACI](#)
- Added ODIM RA profiles
- Updated GitHub CI/CD actions to build and deploy ODIM RA and Kubernetes, and do a basic check before any PR is merged

[ODIM RA 21.01 Release](#)

To get access to this release, clone from the repository (<https://github.com/ODIM-Project/ODIM>). All the releases are on the main branch. If you don't want the latest release you can checkout an earlier release by using its tag. To see tags: git tags.

The build instructions are in the [README.md](#) file

ODIM 21.01 presentation from LFN Developer and Testing Forum

The cover features a background image of Earth from space, showing the blue atmosphere and green landmasses against the black void of space. In the top left corner, the OLF logo is displayed in white, with the word 'NETWORKING' below it. A white rectangular box in the center contains the main title 'ODIM Release 21.01'. Below this box, a black rectangular box contains the names of the Release Manager and TSC Member in white text.

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LTN Developer & Testing Forum

ODIM Release 21.01

Release Manager - Susan Bowen

TSC Member - Jonas Arndt