

2022-12-07 Meeting notes - Joint OAM / NONRTRIC / SIM Community meeting

Time & Location:



Meeting Detail: Times & Joining Info

Wednesdays at 16:00 UTC in Summer (DST), 17:00 UTC in Winter !

Zoom Bridge : <https://us02web.zoom.us/j/89069708424?pwd=aGJOZm54eTUxd0FXR0VCU1N0ejBrUT09>

- Ensure you are signed into your Zoom account to join.
- Meeting ID: **890 6970 8424**.
- See the Calendar: (<https://lists.o-ran-sc.org/g/main/calendar>)
- **NOTE:** During the "Daylight Savings Time" changeover periods (US vs Europe vs Asia) the time of the meetings may fluctuate.
 - Summer Daylight Savings time eventually stabilizes to: **9am PDT | 12pm EDT | 16:00 UTC | 17:00 BST | 18:00 CEST | 19:00 EEST | 21:30 IST | 00:00 CST (Thurs) | 01:00 JST (Thurs)**
 - Winter (non-DST) time eventually stabilizes to: **9am PST | 12pm EST | 17:00 UTC | 17:00 GMT | 18:00 CET | 19:00 EET | 22:30 IST | 01:00 CST (Thurs) | 02:00 JST (Thurs)**
 - (During WinterSummer DST changeover follow US time. SummerWinter DST changeover follow Europe time)
- Meeting ID: **890 6970 8424**
- You will need a **Participant ID** so you will need to join the meeting from a Zoom client first to get this.
- Dial in: ([Local numbers](#))
 - +1 646 558 8656 US (New York)
 - +49 30 5679 5800 Germany
 - +49 69 3807 9883 Germany
 - +353 1 240 8941 Ireland
 - +46 8 4468 2488 Sweden
 - +46 8 5016 3827 Sweden
 - +358 3 4109 2129 Finland
 - +358 9 7252 2471 Finland

Please checkout the calendars:

- <https://lists.onap.org/g/onap-meetings/calendar>
- <https://lists.o-ran-sc.org/g/main/calendar>

Anti-Trust Notice

- [Antitrust Policy Notice](#)
- [Antitrust Policy](#)

Date

07 Dec 2022

Attendees

- [John Keeney](#) (Ericsson EST & OSC NONRTRIC)
- [Halil Cakal](#) (Ericsson EST)
- [Aravindhan Ayyanathan](#) (Ericsson EST)
- [Kevin Timoney](#) (Ericsson EST)
- [Sonia Sangari](#) (Ericsson EST)
- [Timo Perala](#) (Nokia & ONAP)
- [Carsten Hösel](#) (TU-Dortmund)
- May not have captured a full attendee list for this meeting ... please add/remove yourself 😊

See also / co-located (ONAP/O-RAN-SC/SMO - Meeting)

- Co-located with [ONAP 2022-12-07 Meeting notes \(ONAP/O-RAN-SC/SMO - Meeting\)](#)

Contents

- [Anti-Trust Notice](#)

- [Date](#)
- [Attendees](#)
- [See also / co-located \(ONAP/O-RAN-SC/SMO - Meeting\)](#)
- [Contents](#)
- [Recording](#)
- [Notes:](#)
 - Housekeeping:
 - [OSC Project roundup:](#)
 - [News from OSC TOC call last week](#)
 - [NONRTRIC \(John Keeney\)](#)
 - [SIM \(Alex Stancu\)](#)
 - [OAM \(Martin Skorupski\)](#)
 - [O-DU \(Hariom Gupta Vidhu Shekhar Pandey\)](#)
 - [OSC Integration / INT \(James Li \)](#)
 - [RSAC/SMO \(David Kinsey\)](#)
 - [AI/ML platform project \(SANDEEP JAISAWAL \)](#)
 - [OSC NONRTRIC Demo: Deployment, Charts, Apps, Integration Tests \(Aravindhan Ayyanathan \)](#)
 - [ONAP Use cases \(N.K. Shankaranarayanan\)](#)
 - [ONAP \(Timo Perala \)](#)
 - [Question:](#)

Recording

- [Recording \(MP4 - lo res\)](#)

Notes:

Housekeeping:

- [Martin Skorupski](#) & several other regular attendees are unavailable this week - so we have a reduced agenda.
- [See Demo below](#)
- **Meetings in coming weeks:**
 - **14 Dec 2022** Meeting to be confirmed with [Martin Skorupski](#). [John Keeney](#) is on vacation
 - **21 Dec 2022** Meeting Cancelled
 - **28 Dec 2022** Meeting Cancelled
 - **04 Jan 2023** Meeting to be confirmed with [Martin Skorupski](#). [John Keeney](#) is on vacation
- **Watch the Calendar:**
 - <https://lists.o-ran-sc.org/g/main/calendar>
 - <https://lists.onap.org/g/onap-meetings/calendar>
 - **09:00 PST | 12:00 EST | 17:00 UTC | 17:00 GMT | 18:00 CET | 22:30 IST | 01:00 (+1d) CST**
- *OSC SMO calls now move to its own time slot - Thursdays*
 - See OSC RSAC Calendar: <https://wiki.o-ran-sc.org/display/RSAC/calendars>
 - See also OSC Meetings calendar: <https://lists.o-ran-sc.org/g/main/calendar>
- *(Note this meeting to open to anyone, including non-ORAN members)*
- *We will maintain this slot for ONAP Alignment, and try flag issues/question to/from SMO meetings.*
- See [OSC SMO Project meeting notes](#)
- See [OSC AIML Project meeting notes](#)

OSC Project roundup:

News from OSC TOC call last week

- [https://wiki.o-ran-sc.org/display/TOC#ORANSTechnicalOversightCommittee\(TOC\)](https://wiki.o-ran-sc.org/display/TOC#ORANSTechnicalOversightCommittee(TOC))
 - Last week's TOC (Thursday):
 - This week's TOC (Tomorrow):.
- No update this week

NONRTRIC ([John Keeney](#))

- No update this week
- Wrapping up G release tasks & continuing as per last week
- [See Demo below](#)

SIM ([Alex Stancu](#))

- No update this week

OAM ([Martin Skorupski](#))

- [Martin Skorupski](#) is away this week.

- No update this week

O-DU ([Hariom Gupta Vidhu Shekhar Pandey](#))

- No Update

OSC Integration / INT ([James Li](#))

- No update this week

RSAC/SMO ([David Kinsey](#))

- Ref: [RSAC Meetings](#)
- No update this week

AI/ML platform project ([SANDEEP JAISAWAL](#))

- Minutes & Meeting: [Meeting notes](#)
- Calendar: <https://lists.o-ran-sc.org/g/main/calendar>
- No update this week

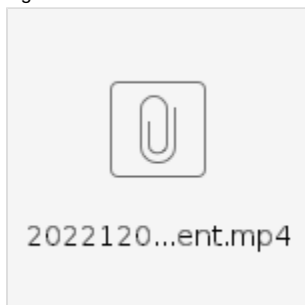
OSC NONRTRIC Demo: Deployment, Charts, Apps, Integration Tests ([Aravindhyan Ayyanathan](#))

- Demonstrate deploy & run NONRTRIC platform (& key SMO platform) functions - based on scripts & charts in it/dep repo
 - Slides:

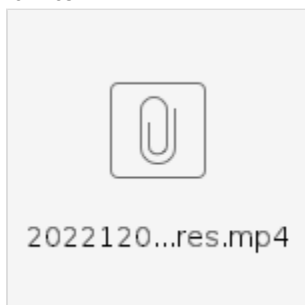


- Video:

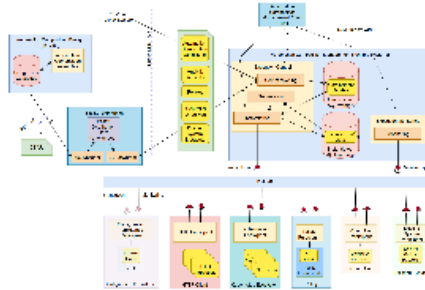
- HighRes:



- LowRes:



- <https://gerrit.o-ran-sc.org/r/gitweb?p=it/dep.git;a=tree>
- See Instructions to select which charts are used (which flavor) for different tests.
 - <https://gerrit.o-ran-sc.org/r/gitweb?p=it/dep.git;a=tree;f=smo-install/README.md>
- Standalone NONRTRIC platform charts available at
 - <https://gerrit.o-ran-sc.org/r/gitweb?p=it/dep.git;a=tree;f=nonrtric>
 - [Release F - Run in Kubernetes](#) (Needs to be updated for G release! See [NONRTRIC - Developer guide - Release G](#))
- "rApps" are modeled as "Automation Compositions" from ONAP
 - <https://wiki.onap.org/display/DW/Automation+Composition+Management%3A+Architecture+and+Design>
 - LCM handled by ONAP ACM ("Automation Composition Manager") (Replaces CLAMP)
 - Ref [ACM Architecture from ONAP](#)



- [Release G: Policy Clamp installation with Microk8s and Socks proxy](#)
- Sample 'rApp' modeled as an Automation Composition
 - [Release G: Automation Composition for O-DU Slice Assurance use case](#)
 - **Copied: commission.yaml** tosca template used to model the App - used by ACM to LCM the App

commission.yaml

```
# Copyright (C) 2022 Nordix Foundation. All rights reserved.
# =====
# Licensed under the Apache License, Version 2.0 (the "License");
# you may not use this file except in compliance with the License.
# You may obtain a copy of the License at
#
#     http://www.apache.org/licenses/LICENSE-2.0
#
# Unless required by applicable law or agreed to in writing, software
# distributed under the License is distributed on an "AS IS" BASIS,
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
# See the License for the specific language governing permissions and
# limitations under the License.
# =====LICENSE_END=====
#
tosca_definitions_version: tosca_simple_yaml_1_3
data_types:
  onap.datatypes.ToscaConceptIdentifier:
    derived_from: tosca.datatypes.Root
    properties:
      name:
        type: string
        required: true
      version:
        type: string
        required: true
node_types:
  org.onap.policy.clamp.acm.Participant:
    version: 1.0.1
    derived_from: tosca.nodetypes.Root
    properties:
      provider:
        type: string
        required: false
  org.onap.policy.clamp.acm.AutomationCompositionElement:
    version: 1.0.1
    derived_from: tosca.nodetypes.Root
    properties:
      provider:
        type: string
        required: false
      metadata:
        common: true
```

```

        description: Specifies the organization that provides the automation
composition element
    participant_id:
        type: onap.datatypes.ToscaConceptIdentifier
        required: true
        metadata:
            common: true
    participantType:
        type: onap.datatypes.ToscaConceptIdentifier
        required: true
        metadata:
            common: true
    description: The identity of the participant type that hosts this type of
Automation Composition Element
    startPhase:
        type: integer
        required: false
        constraints:
            - greater_or_equal: 0
        metadata:
            common: true
    description: A value indicating the start phase in which this automation
composition element will be started, the
        first start phase is zero. Automation Composition Elements are started in
their start_phase order and stopped
        in reverse start phase order. Automation Composition Elements with the
same start phase are started and
        stopped simultaneously
    uninitializedToPassiveTimeout:
        type: integer
        required: false
        constraints:
            - greater_or_equal: 0
        default: 60
        metadata:
            common: true
    description: The maximum time in seconds to wait for a state chage from
uninitialized to passive
    passiveToRunningTimeout:
        type: integer
        required: false
        constraints:
            - greater_or_equal: 0
        default: 60
        metadata:
            common: true
    description: The maximum time in seconds to wait for a state chage from
passive to running
    runningToPassiveTimeout:
        type: integer
        required: false
        constraints:
            - greater_or_equal: 0
        default: 60
        metadata:
            common: true
    description: The maximum time in seconds to wait for a state chage from
running to passive
    passiveToUninitializedTimeout:
        type: integer
        required: false
        constraints:
            - greater_or_equal: 0
        default: 60
        metadata:
            common: true
    description: The maximum time in seconds to wait for a state chage from
passive to uninitialized
    org.onap.policy.clamp.acm.AutomationComposition:
        version: 1.0.1
        derived_from: tosca.nodetypes.Root

```

```

properties:
  provider:
    type: string
    required: false
    metadata:
      common: true
    description: Specifies the organization that provides the automation
composition element
  elements:
    type: list
    required: true
    metadata:
      common: true
    entry_schema:
      type: onap.datatypes.ToscaConceptIdentifier
    description: Specifies a list of automation composition element definitions
that make up this automation composition definition
  org.onap.policy.clamp.acm.PolicyAutomationCompositionElement:
    version: 1.0.1
    derived_from: org.onap.policy.clamp.acm.AutomationCompositionElement
    properties:
      policy_type_id:
        type: onap.datatypes.ToscaConceptIdentifier
        required: true
      policy_id:
        type: onap.datatypes.ToscaConceptIdentifier
        required: false
  org.onap.policy.clamp.acm.CDSAutomationCompositionElement:
    version: 1.0.1
    derived_from: org.onap.policy.clamp.acm.AutomationCompositionElement
    properties:
      cds_blueprint_id:
        type: onap.datatypes.ToscaConceptIdentifier
        required: true
  org.onap.policy.clamp.acm.K8SMicroserviceAutomationCompositionElement:
    version: 1.0.1
    derived_from: org.onap.policy.clamp.acm.AutomationCompositionElement
    properties:
      chart:
        type: string
        required: true
      configs:
        type: list
        required: false
      requirements:
        type: string
        required: false
      templates:
        type: list
        required: false
      entry_schema:
        type: string
        required: true
topology_template:
  node_templates:
    org.onap.policy.clamp.acm.KubernetesParticipant:
      version: 2.3.4
      type: org.onap.policy.clamp.acm.Participant
      type_version: 1.0.1
      description: Participant for K8S
      properties:
        provider: ONAP
    org.onap.domain.sample.
SliceAssurance_K8SMicroserviceAutomationCompositionElement:
  version: 1.2.3
  type: org.onap.policy.clamp.acm.K8SMicroserviceAutomationCompositionElement
  type_version: 1.0.1
  description: Automation composition element for the K8S microservice for O-DU
Slice Assurance
properties:

```

```

    provider: ONAP
    participant_id:
      name: K8sParticipant0
      version: 1.0.0
    participantType:
      name: org.onap.policy.clamp.acm.KubernetesParticipant
      version: 2.3.4
    uninitializedToPassiveTimeout: 180
    podStatusCheckInterval: 10
    chart:
      chartId:
        name: odu-app
        version: 1.0.0
      namespace: nonrtric
      releaseName: odu-app
      repository:
        repoName: chartmuseum
        address: http://10.0.1.1:18080
  org.onap.domain.sample.
SliceAssuranceIcsVersion_K8SMicroserviceAutomationCompositionElement:
  version: 1.2.3
  type: org.onap.policy.clamp.acm.K8SMicroserviceAutomationCompositionElement
  type_version: 1.0.1
  description: Automation composition element for the K8S microservice for O-DU
Slice Assurance Ics Version
properties:
  provider: ONAP
  participant_id:
    name: K8sParticipant0
    version: 1.0.0
  participantType:
    name: org.onap.policy.clamp.acm.KubernetesParticipant
    version: 2.3.4
  uninitializedToPassiveTimeout: 180
  podStatusCheckInterval: 10
  chart:
    chartId:
      name: odu-app-ics-version
      version: 1.0.0
    namespace: nonrtric
    releaseName: odu-app-ics-version
    repository:
      repoName: chartmuseum
      address: http://10.0.1.1:18080
  org.onap.domain.sample.GenericK8s_AutomationCompositionDefinition:
    version: 1.2.3
    type: org.onap.policy.clamp.acm.AutomationComposition
    type_version: 1.0.1
    description: Automation composition for O-DU Slice Assurance
    properties:
      provider: ONAP
      elements:
        - name: org.onap.domain.sample.
SliceAssurance_K8SMicroserviceAutomationCompositionElement
  version: 1.2.3
  - name: org.onap.domain.sample.
SliceAssuranceIcsVersion_K8SMicroserviceAutomationCompositionElement
  version: 1.2.3

```

- Also generated from a [Template \(Jinja\)](#) file `create_instance_k8s.json.j2` using Test `"test_cl_odu_app_smo_deploy"` in script ""

ONAP Use cases (N.K. Shankaranarayanan)

- No update this week

ONAP (Timo Perala)

- ONAP TSC have elected a new chair (Pawel Pawlak - F5) - <https://www.onap.org/about/tsc>

- Will re-ignite efforts to push for O-RAN-SC/ONAP alignment at TSC/TOC level 😊

Question:

- None this week

Meeting ends