

2021-02-24 5G-xHaul Meeting notes

24 Feb 2021 | 6am PST | 6am EST | **10:00 UTC** | 11:00 CET | 12:00 EET | 15:30 IST | 18:00 CST | 19:00 JST |

Web Conference:

<https://thorsten-heinze-telefonica-de.webex.com/join/andreas.lattoch.external>

Attendees

- Alex Stancu ★
- Andrea Delmonte
- @Andreas Lattoch ★
- Alok Surve
- Daniela Spreafico ★
- Daniel Perez Calvo ★
- Danilo Pala ★
- Eduardo Yusta ★
- Hubing
- Hsudarsa
- Jorge Lopez
- Istvan Vencz
- Jasper Yang
- Leo
- Ma Yong
- Michael Binder
- Nader Zein ★
- Paul Parva
- Pawel Krecicki
- Petr Jurcik
- Prathiba ★
- Roberto Servadio ★
- Shuzhan
- Thomas Seitz
- Thomas Schulze
- Tian Zhu
- Thorsten Heinze
- Yossi ★
- Zhang Dong
- Martin Skorupski ★

Info to:

- Tracy Van Brakle

Goals

- going forward

(please feel free to correct and update your names 😊 Thank you very much!!!)

Discussion items

Time	Item	Who	Notes
00:00	chair topic		no update
00:00	Admin		Next meetings 2020-03-03: Martin Skorupski 2020-03-10: Martin Skorupski 2020-03-17: Martin Skorupski 2020-03-24: Martin Skorupski

00:00	Firmware RPCs	<p>Thorsten Heinze @Eduar do Yusta</p>	<ul style="list-style-type: none"> ▪ abort of download Constrain: only one download per ControlContract (device): <ul style="list-style-type: none"> ▪ as input: https://www.o-ran.org/specifications - please see O-RAN Management Plane Specification - YANG Models 4.0 - July 2020 O-RAN.WG4.MP-YANGs-v04.00 YO-RAN.WG4.MP-YANGs-v04.00_.zip\Common Models\Operations\o-ran-file-management.yang - ▪ as input: https://github.com/OpenROADM/OpenROADM_MSA_Public/blob/master/model/Device/org-openroadm-file-transfer.yang ▪ no destination needed - it ends in the currently not active bank. ▪ force option <ul style="list-style-type: none"> ▪ abort of download ▪ activate firmware <ul style="list-style-type: none"> ▪ activating stand-by is same as deactivating active <p>Notification required</p> <ul style="list-style-type: none"> ▪ alarm vs attribute-value-change (trend: status attributes with AVC) ▪ RPC return value vs notification (trend: notification) ▪ Status values are needed in any case, for cases where notifications are lost ▪ Thorsten to send a proposal for further discussions <p>GlobalClass vs LocalClass</p> <p>Agenda for tomorrow</p> <ul style="list-style-type: none"> ▪ MediatorComponents
	<p>End of the meeting</p> <p>Discussions to be continued:</p>		
00:05	FC VLAN Creation	<p>Thorsten Heinze</p>	<p>RPC for FD:VLAN-FC creation</p> <ul style="list-style-type: none"> ▪ yang RPC- FC creation <ul style="list-style-type: none"> ▪ input <ul style="list-style-type: none"> ▪ FD:uuid to address the FD ▪ vlanId the "real" interesting parameter ▪ output <ul style="list-style-type: none"> ▪ FC:uuid <p>now the FC:uuid is known to all application.</p> <p>The FC has no FCports at this point in time.</p> <ul style="list-style-type: none"> ▪ yang RCP - target: creation for FCPorts <ul style="list-style-type: none"> ▪ input <ul style="list-style-type: none"> ▪ FC:uuid ▪ port role?!?! ▪ associations to LTP(VLAN) <p>Continue the discussion on 2020-10-21</p> <p>YANG provided by email and openBackhaul (link)</p> <p>new: RPC at the end - please check!!! 😊</p> <p>new: "port-and-protocol-based-vlan-is-avail"</p> <p>renamed: "lfc-address" to "lfc-address-list"</p> <p>2020-02-03</p> <ul style="list-style-type: none"> ▪ updates made on the error messages

00:00	Firmware	@Eduardo Yusta	<p>Eduardo explained his proposal about how to describe firmware (https://groups.google.com/a/opennetworking.org/g/wireless-transport/c/3BJHnPa5PRU) and addressed a couple of questions to the vendors.</p> <p>Continuing the discussion about firmware. NEC provided input and it was consolidated in the proposal.</p> <p>How to activate a software package: leaf or RPC?</p> <p>Discussions still needed, RPC is preferred, need to see how to model and how to integrate in our processes (Papyrus, UML2YANG etc.)</p> <p>Alex Stancu to provide example from O-RAN FH model about how it is done in o-ran-software-management; then we can assess how we can adapt it to our needs.</p> <p>SIAE is checking if RPC is feasible; Nokia will also do some checking. maybe RPCs will be useful in other situations as well, we need to see</p> <p>Do we need also a Download RPC? Probably. But this could be considered outside of the package model, does not really influence the inventory part.</p> <p>Is ImageName (string) and ImageVersion (string) combination enough for uniquely identify a software image?</p> <p>ImageSize proposed to be eliminated. No objections.</p> <p>ImageClass - need to see what happens if the case vendors do not support it; same for ImageIdentifier</p> <p>ImageComparison proposed to be eliminated. No objections.</p> <p>Need further discussions.</p> <p>2020-01-13:</p> <p>Package Activation:</p> <ul style="list-style-type: none"> ▪ attribute vs RPC <ul style="list-style-type: none"> ▪ RPC seems to be the way forward <ul style="list-style-type: none"> ▪ impact on UML/UML2YANG/YANG ▪ similar discussion for FC(VLAN) creation via RPC ▪ UML/YANG modeling guideline uses term "operations" (not PRC) ▪ investigation ongoing Package Activation will gain by the VLAN-FC creation <p>Parameter (status report and further discussion)</p> <ul style="list-style-type: none"> ▪ Package ▪ Image <ul style="list-style-type: none"> ▪ regarding "imageIdentifier" - proposal to be discarded - however feedback from vendor will drive final decision <p>Package and Image class should inherit from GlobalClass - same as for Profile</p> <p>2020-01-20</p> <p>UML for Firmware</p> <p>Firmware model as on conditional package for Controlconstruct</p> <p>2020-02-03</p> <p>https://groups.google.com/a/opennetworking.org/g/wireless-transport/c/14-6181JZol</p>
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Action items