

2020-06-10 5G-xHaul Meeting notes

Date

10 Jun 2020 | 2am PDT | 5am EDT | **9:00 UTC** | 11:00 CEST | 12:00 EEST | 14:30 IST | 17:00 CST | 18:00 JST |

Web Conference:

<https://onf.zoom.us/j/953336915> -Zoom is blocked by more and more ITs.

Please use the following link: <https://thorsten-heinze-telefonica-de.webex.com/join/andreas.lattoch.external>

Attendees

- Alex Stancu★
- @Andreas Lattoch★
- Alok Surve
- Daniela Spreafico★
- Danilo Pala★
- Daniel Perez GCTIO★
- Hubing★
- Hsudarsa
- Jorge Lopez
- Jasper Yang
- Leo
- Ma Yong
- Michael Binder★
- Nader Zein★
- Paul Parva
- Pawel Krecicki★
- Petr Jurcik★
- Prathiba★
- Roberto Servadio★
- Shuzhan★
- Thomas Schulze
- Thorsten Heinze★
- Yossi★
- Martin Skorupski★

Info to:

- Tracy Van Brakle

Goals

- going forward

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

Discussion items

Time	Item	Who	Notes
00:00	chair topic		no update
00:00	Admin		Next meetings 2020-06-10: Martin Skorupski 2020-06-17: Martin Skorupski 2020-06-24: Martin Skorupski 2020-07-01: conflict

00:11	Transmitter Equipment	Pawel Krecick Thorsten Heinze	<p>Proposal to align modeling of AirEquipment with WireEquipment (follow link to see the email)</p> <p>A new document is available: https://github.com/openBackhaul/equipment/tree/tsp under review 2020-05-27</p> <p>At all: please provide feedback in advance in written form using the change tracker. Please send back to Thorsten by email - and cc the group.</p> <p>Feedback from 3 companies - Thanks!!!</p> <p>Updated document will be delivered by Thorsten.</p> <p>Review session on the agenda for 2020-06-10.</p> <p>New Proposal using the "core-model:connector".</p> <ul style="list-style-type: none"> ▪ new question: relation of IP to equipment ip-capability dependency to equipment ▪ physical-port-reference - which is a list - one LTP could reference to more physical ports, which makes sense, because the LTP capabilities may depend on several equipment components.
00:16	VLAN	Thorsten Heinze	<p>VLAN Model with reduced scope.</p> <p>review period for documents from last August will end 2020-06-09</p> <ul style="list-style-type: none"> • https://github.com/openBackhaul/vlanInterface/tree/tsp • https://github.com/openBackhaul/vlanFd/tree/tsp • https://github.com/openBackhaul/vlanFc/tree/tsp
00:25	dropping-behavior	Thorsten Heinze	<p>dropping-behavior-kind on device/switch level - link to issue</p> <p>At: Danilo Pala, Michael Binder, Daniela Spreafico: Please provide options how to solve the issue and a recommendation for discussion next week.</p> <p>At: Martin Skorupski: Work out a proposal to be discussed next week.</p> <p>based on the proposal made in the issue:</p> <p>Proposal: The dropping-behavior-kind shall become part of a Profile,</p> <ul style="list-style-type: none"> • which can be instantiated multiple times, in case the device allows independently adjusting the dropping-behavior-kind per interface, • or just a single time, in case the device allows adjusting the dropping-behavior-kind just on device/switch level. <p>further details should be agreed.</p> <ol style="list-style-type: none"> 1. A new profile type should be created, called "PROFILE_NAME_TYPE_DROPPING_PROFILE" 2. The profile details are just extensible ENUM (yang: identity) similar like "dropping-behavior-kind-type" 3. ethernet-container-capability: available-dropping-behavior-kind-list will be of type "identity-ref" to the PROFILE_NAME_TYPE_DROPPING_PROFILE 4. ethernet-container-configuration: dropping-behavior-kind will be of type "identity-ref" an entry in ethernet-container-capability/available-dropping-behavior-kind-list 5. The pointers from ethernet-container-capability and ethernet-container-configuration allow the following use cases <ol style="list-style-type: none"> a. The EthernetSwitch (FD) allows only one Profile, all capabilities and all configuration are "static" because only one Profile exists. Any dynamic configuration happens in the Profile itself. b. Several Profiles with different configuration/behavior exists - ("static profiles"). Any configuration happens only by switching the profile. c. a combination of a) and b), which is not recommended due to unnecessary complexity. <p>Conclusion during the discussion:</p> <ul style="list-style-type: none"> ▪ investigate in <ul style="list-style-type: none"> ▪ adding another ethernet-container-capability attribute to express, if the LTP <ul style="list-style-type: none"> ▪ can, ▪ must, ▪ must-not follow the configuration on device (forwarding-domain?) level ▪ creating a device (forwarding-domain) PAC to uml:specify (yang:augment) ETH-Switch capabilities and configuration ▪ Further discussion on agenda for 2020-06-10.

00:00	Combo Port	Robert o Servadio	<p>See contributions:</p> <ul style="list-style-type: none"> ▪ https://wiki.opennetworking.org/download/attachments/265093121/ALCp2e_Equipment_Management.pptx?api=v2 ▪ https://wiki.opennetworking.org/download/attachments/265093121/ethernet-combo-port-as-fc-switch.pptx?api=v2 <p>Switching the port by management interface CoreModel solution is ForwardingConstruct with FC-Switch.</p> <p>Al: Martin SkorupskiShow how this works with CoreModel 1.4</p>
END			
Omin	UUID		<p>Status: discussion on-hold</p> <p>core-model allows definition of both Logical Termination Points (interfaces), but also connections</p> <ul style="list-style-type: none"> • Forwarding Domain: <ul style="list-style-type: none"> • either connection inside the same device • connections outside devices • Link: <ul style="list-style-type: none"> • any type of link, not only microwave • Forwarding Construct: <ul style="list-style-type: none"> • concrete forwarding between two or more LTPs / ports <ul style="list-style-type: none"> • unidirectional / bidirectional <p>core-model is also suitable for representing entire Networks, not only a Device</p> <p>this means that Universally Unique IDs are required</p> <p>Devices cannot get the UUIDs from outside, they need to be generated by the device, and cannot be overwritten from outside</p> <p>Devices are unaware by their surroundings (the network), so it cannot know if a UUID is already used by some other interface in other devices</p> <p>IETF defines how to create UUIDs, and the core-model references this RFC</p> <ul style="list-style-type: none"> • we need UUIDs for documenting the network • we cannot write the UUIDs in the device, the device needs to create it • the device does not have a network wide view • this is needed because of the Planning the network <p>Possible solutions:</p> <ul style="list-style-type: none"> • the device generates whatever, the IDs are retrieved and a mapping table is maintained • we prescribe a method/algorithm that is implemented in the device for creating UUIDs (which become predictable): <ul style="list-style-type: none"> • using some prefix which is known during the implementation time of the device - (e.g. MAC address of the Management interface); vendor sends info about Order no. and MAC addr. to the operator and the Planning will be done with these prefixed values less complex than a field technician configuring the prefix on the device with some dongle • fixed UUID with prefix and postfix <p>Suggestions:</p> <ul style="list-style-type: none"> • use the Device name instead of the MAC addr. • clean-up application that handles the changing of MAC addresses <p>Out of time, we need to follow up: proposal, next week Tuesday 09:00 CET</p> <p>--</p> <p>Notes from 08 Apr 2020</p> <p>Discussion about UUID and Links/Assosations/References between object classes</p> <p>ODL MountPoint is and association to a NetConf server - some NetConf servers representing some times the microwave model.</p>

Action items