

09/01/2018 Simple Profile in YAML meeting notes

Attendees:

Chris, Arturo, Thin, Luc, Steve

Chris present NFV Deployment flavour issue based on slides.

- NFV profile has a single VNF node type with attributes (like id)
- In topology you have NFV and use substitution that is matched thanks to flavour id
- If you had some sub-types of VNF (FirewallVNF etc) and implementors extensions (VendorFirewallVNF)
- So you will have a template that defines the generic node type, Others to define multiple templates with

To map substitution mapping, 1.2 is needed to specify properties in order to have a selection based on property values. If you have multiple deployment flavours you need this new features.

On ONAP you have only one deployment flavour. They decided to keep that idea as not everyone has moved to 1.2 grammar. This simplification in addition to type system allows to avoid using substitution mappings properties for deployment flavour selection.

Arturo: Works also with 1.0 ?

Chris/Luc: No changes on substitution mapping from 1.0 to 1.1 so yes.

Thin: There is no industry agreement of VNF types. When tried to move to TOSCA people feared that going to creating types can be complicated as vendors have different opinion on that.

Single deployment vs Multiple deployment flavour (ONAP single due to timeframe, on etsi we should a solution to support multiple deployment flavour). Even if ONAP support single deployment flavours, vendors will need to support multiple flavour to move from test flavour to production flavour.

Descriptor ID

We also indicate to operator that when we change from one flavour to other the service may be disrupted. But id is maintained. in etsi when deployed the instance ID is maintained during the test to prod => consistent VNF deployment id needed.

Descriptor id is the same but flavour id change

In nokia proposal 2 level of substitution mapping:

=> first level to help network descriptor level

Chris:

There is a need for defining something, same VNF descriptor id or same type name. you need something that is unique.

Thin:

On the slide what happens to other properties.

Luc:

You can get them from the parent type or set them if you need to define them.

Thin: I need to assign values to all properties (vendor id, product name, release date, package version etc.).

Chris: You can still put them in the type but why match on all these properties while you can match on type name only.

Thin: How to import a specific version

Luc: Thanks to import and namespace imports you can reference a specific version of types.

Thin: example is misleading as we need more information and properties for the VNF to deploy successfully.

Chris: Update the example to add the required properties and show how to subtype and assign values to the properties. And add import.

Arturo: Like the proposal but have a question:

Fact that every vendor has to define it's type, may it be a problem for interoperability ? Will orchestrators be able to deploy other vendors types ?

Chris: As long as it derives from VNF type it should work right.

Thin: Node type name may not be enough informations to explain what the product actually is. A single field may not be enough to encode information or not explicit enough.

Luc: The fact that you use a node type does not means that other properties are not required for information and understanding.

Chris: tricky part may be with software versions and how to manage the new version of the type (type name or import, yaml file will reflect the type name).

=> Add topic on dealing with handling of different versions and version

updates.

Thin: Want to explain here the Nokia proposal and requirement of two way substitution, planned for next week.