

Recursive Virtualization and Programming for Network and Cloud Resources

draft-irtf-nfvrg-unify-recursive-programming-00

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History and Updates

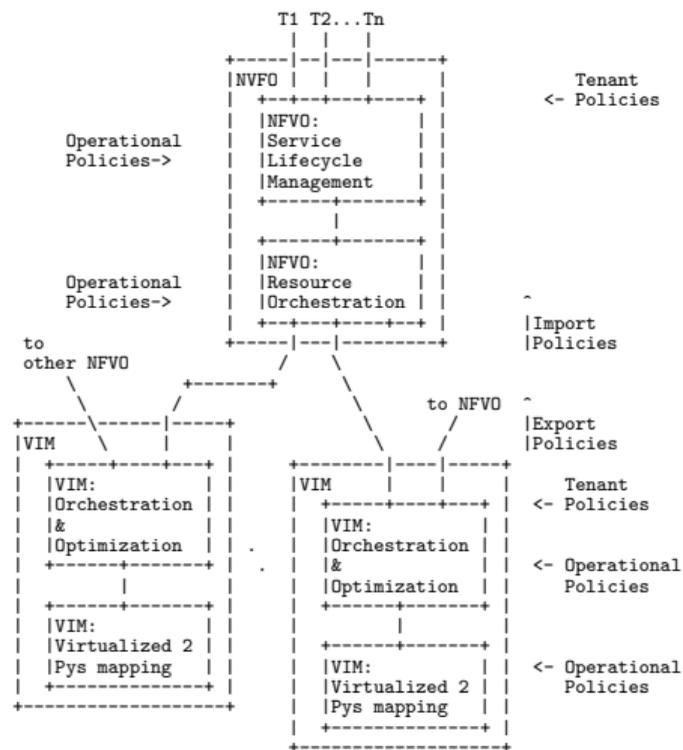
RG adoption call in 2015:



Changes:

- new: policy considerations;
- new: report on experimentations (details in draft-unify-sfc-control-plane-exp-00);
- updated: Yang data model (based on the needs of the experiments);

New: Policy Considerations



Hierarchical resource management architecture, with

- Tenant policies
- Operational policies
- Import and export policies

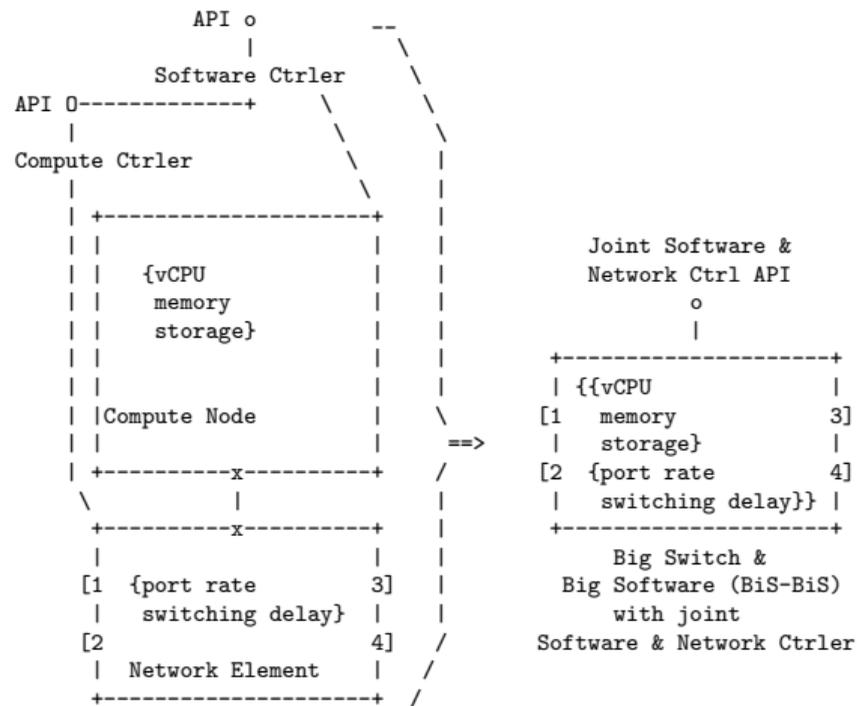
Updates: Yang data model changes

Easier IP layer configuration was needed to help bootstrap different planes, especially the management plane:

- The same control API is used for
 - data plane,
 - control plane
 - management plane

service function chain definitions.

- EM – VNF IP connectivity is configured then an EM may easily handle the rest of the configurations.



Summary

The draft shows one approach to combine

- Network Function Virtualization (NFV) orchestration and
- Service Function Chain (SFC) control

in a recurring (hierarchical) way.

We added policy considerations and pointers to an experimentation report based on a proof of concept prototype.

Next step: We would like to bring our proof of concept demonstration to IETF.

Acknowledgements

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