



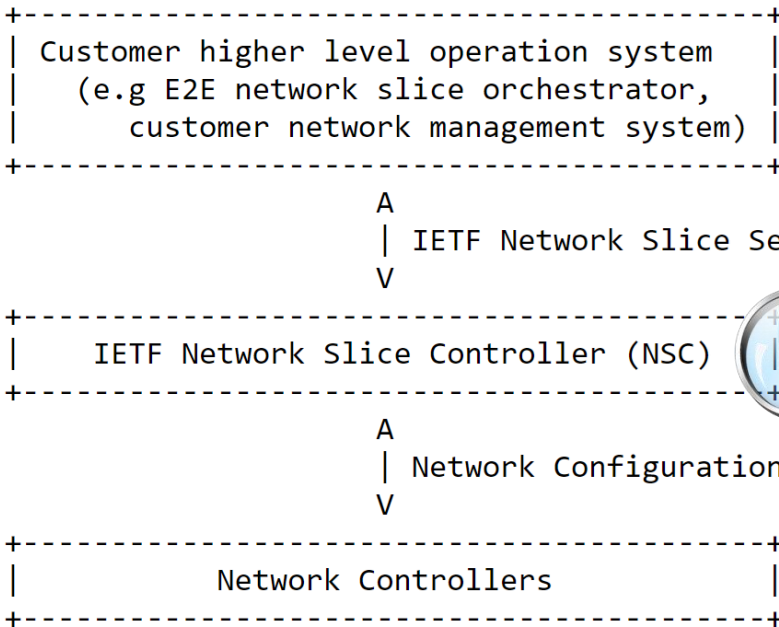
IETF Network Slice Controller and its associated data models

draft-ietf-teas-ns-controller-models-03

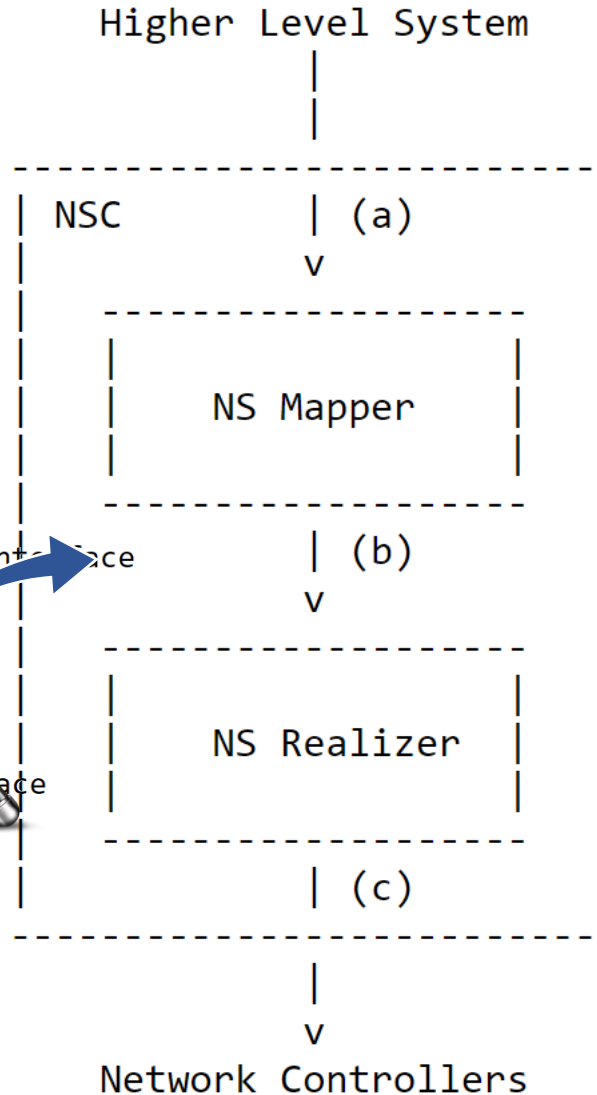
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Refresh on the draft proposal

From [I-D.ietf-teas-ietf-network-slice-definition]



Goal: identify major NSC components and how associated data models that apply



Structure

- **Mapper** - processes the customer request, putting it into the context of the overall IETF Network Slices in the network
- **Realizer** - processes the complete view of all the slices in the network, decides the proper technologies for realizing the IETF Network Slice and triggers its realization

Models

- **(a)** -> customer's view, e.g. [I-D.ietf-teas-ietf-network-slice-nbi-yang]
- **(b)** -> provider's view, including more detailed but yet technology-agnostic resource view as e.g. [I-D.liu-teas-transport-network-slice-yang], and/or alternative technology-specific augmentations as e.g. [I-D.ietf-ccamp-yang-otn-slicing], or for IP/MPLS NRP [I-D.ietf-teas-nrp-yang]
- **(c)** -> models per network controller, out of scope. An example of applicability of existing models is in [I-D.barguil-teas-network-slices-instantiation]

It is not the purpose of this document to standardize or constrain the implementation of the IETF Network Slice Controller.

History of the document and status

(*) [I-D.wd-teas-ietf-network-slice-nbi-yang] and [I-D.liu-teas-transport-network-slice-yang]

- Authors of alternative slicing YANG models (*) agreed on creating a document for better understanding the interplay between models and the functional behavior of the IETF NSC.
- Document presented at
 - (before adoption) IETF 109, 110, 115, 116
 - (after adoption) IETF 120
- Status
 - All the comments received during adoption already covered

What's missing for progressing the document?

- Question for the WG:
 - Any additional issue we should take care of?
 - Would it be beneficial the addition of some example in the draft on how different models interplay?
- Assess the proposed structure with the progress of aspects of slicing (e.g., NRP, customer topology intent, etc)
 - Can we consider any dependency with other documents?
- Request directorate reviews
- Create v -03 with the received feedback
- Consider WGLC process