

DetNet Information Mode I Consideration

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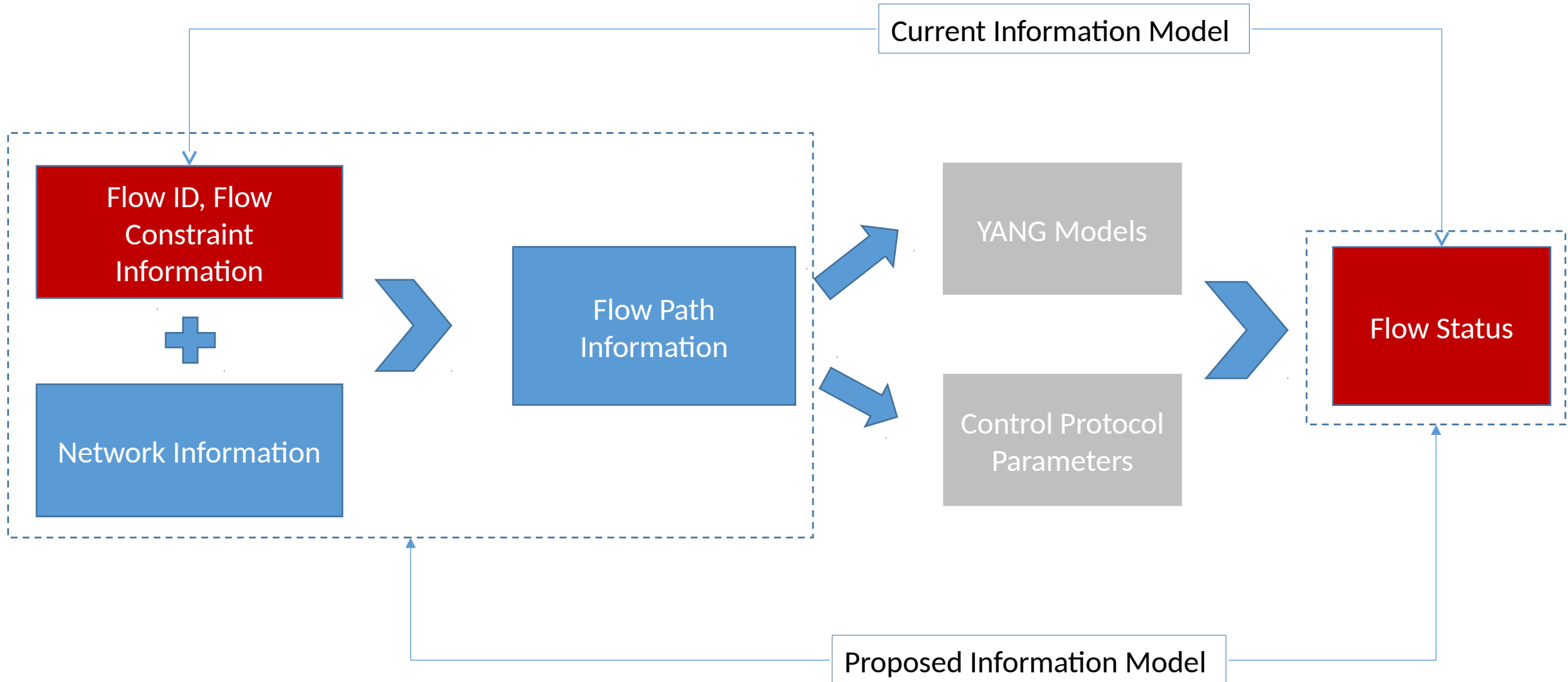
Mach Chen

IETF 99th Prague, DetNet

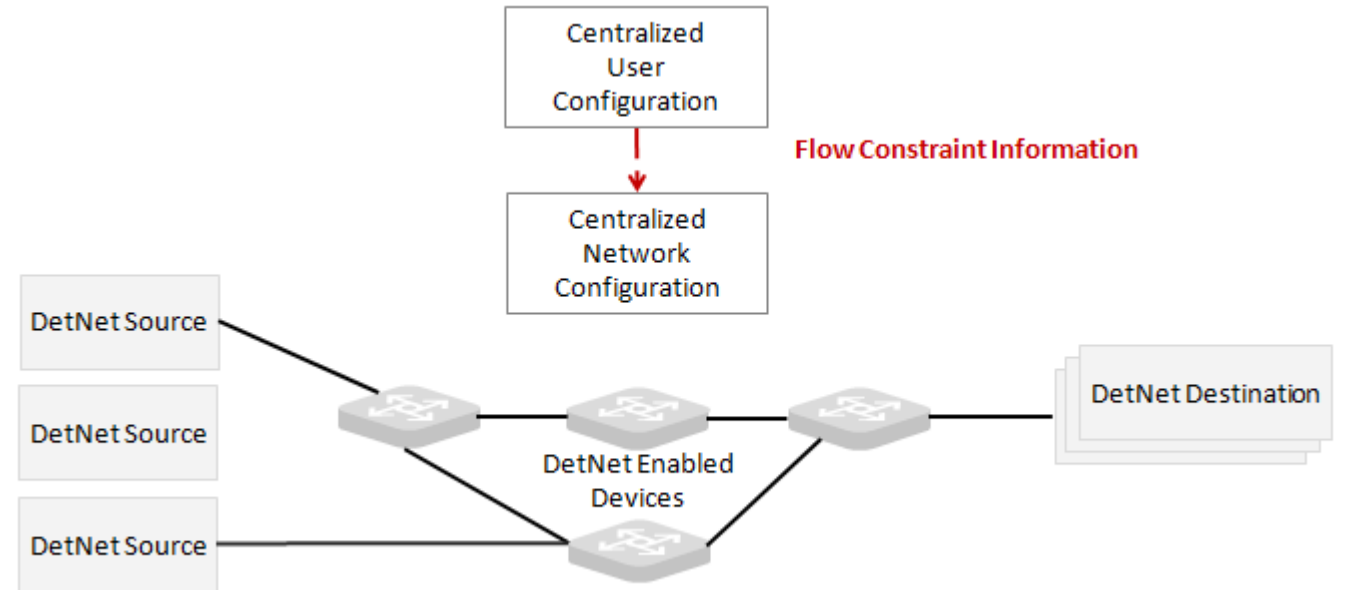
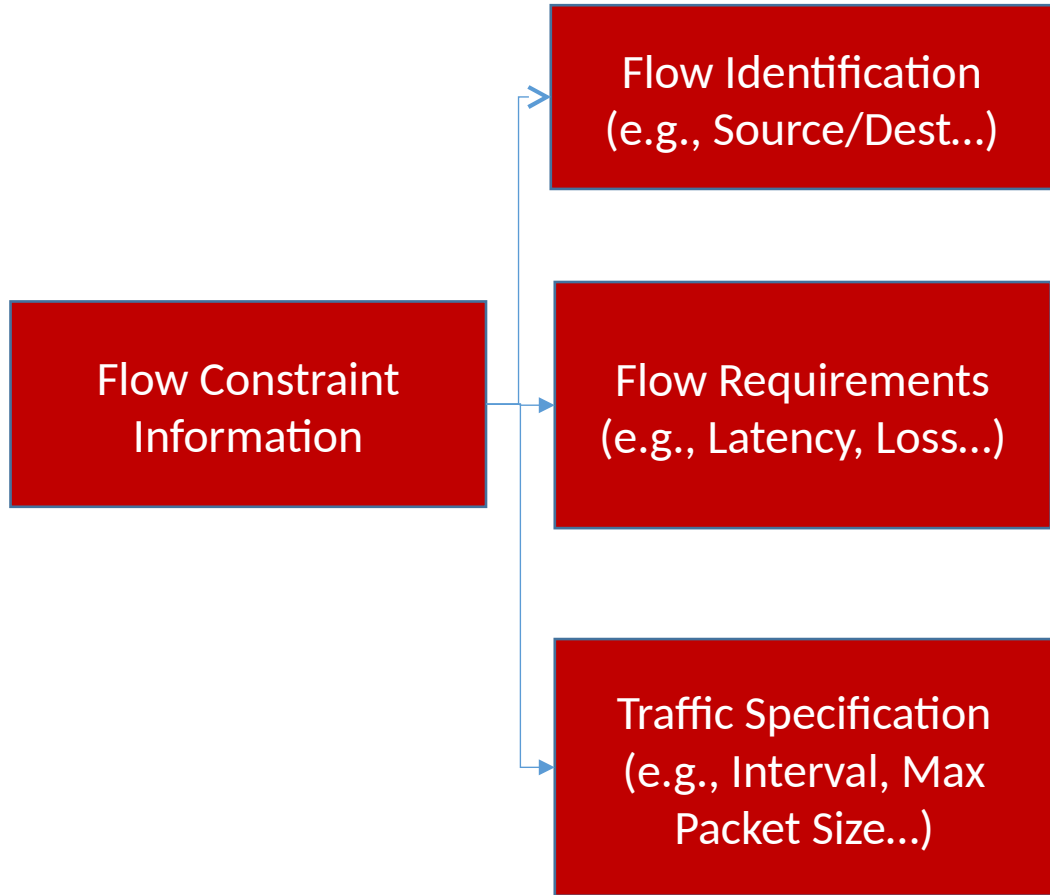
The Charter about Information Model

- Data flow information model: This work will identify the information needed for flow establishment and control and be used by reservation protocols and YANG data models. The work will be independent from the protocol(s) used to control the flows (e.g. YANG+NETCONF/RESTCONF, PCEP or GMPLS).

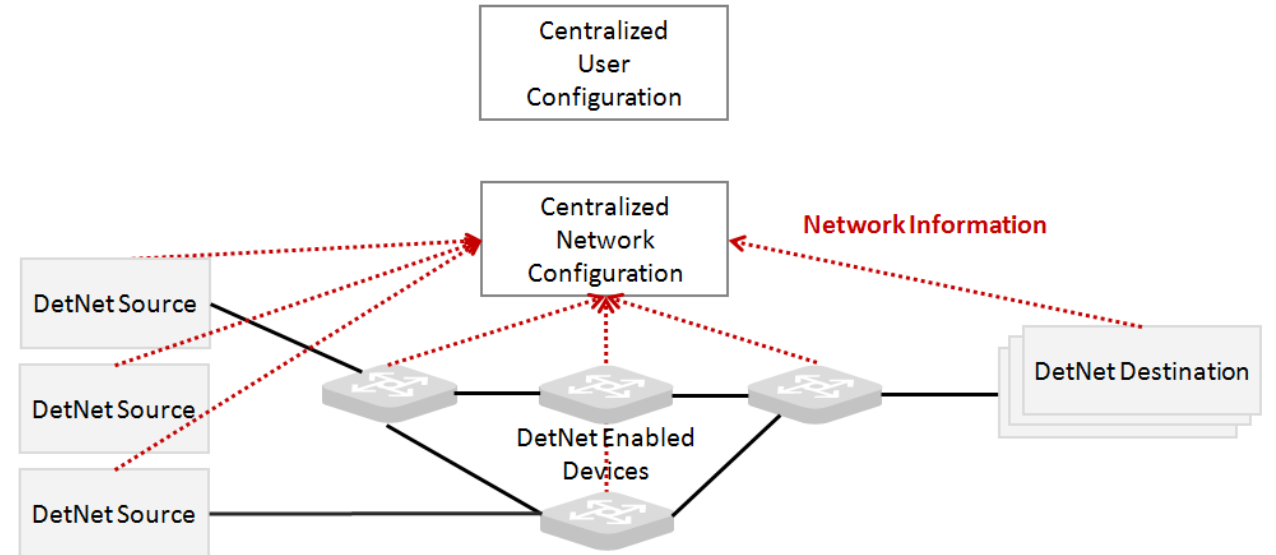
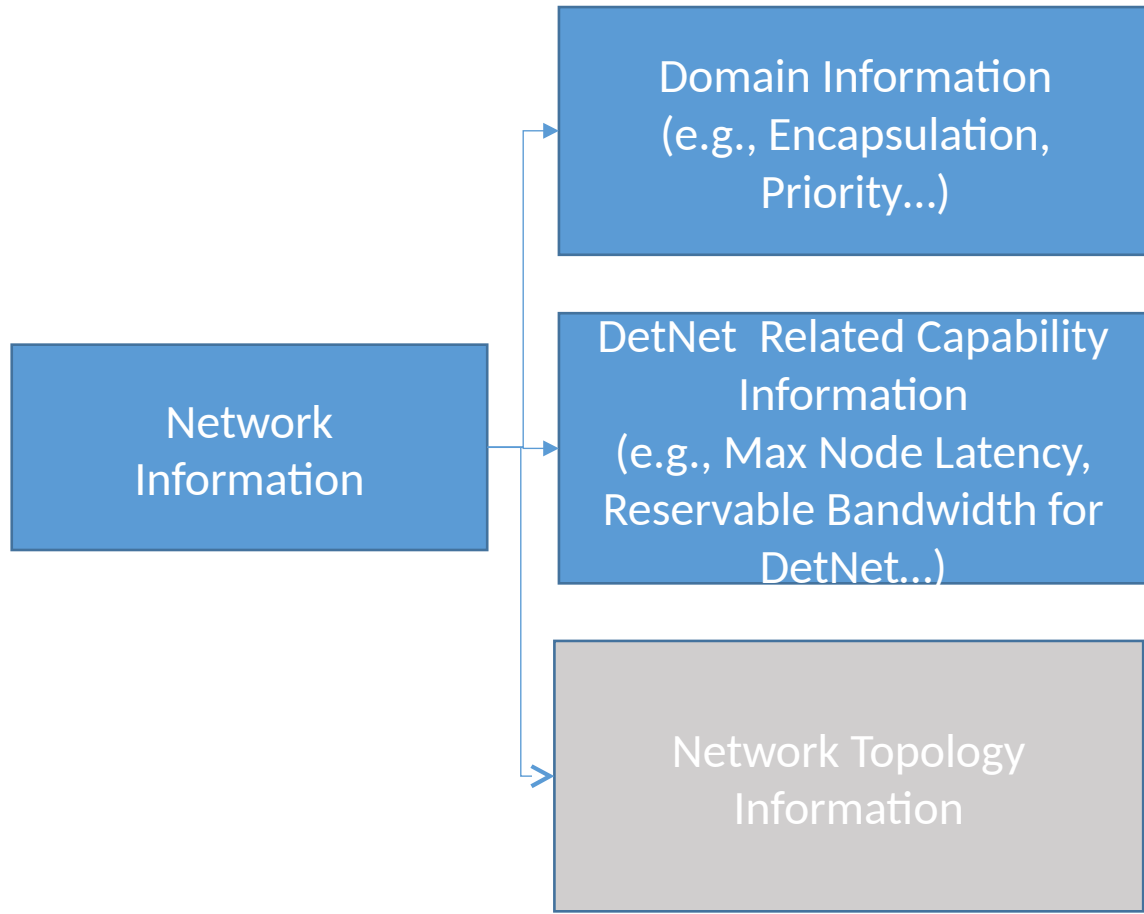
A thought of Information Model



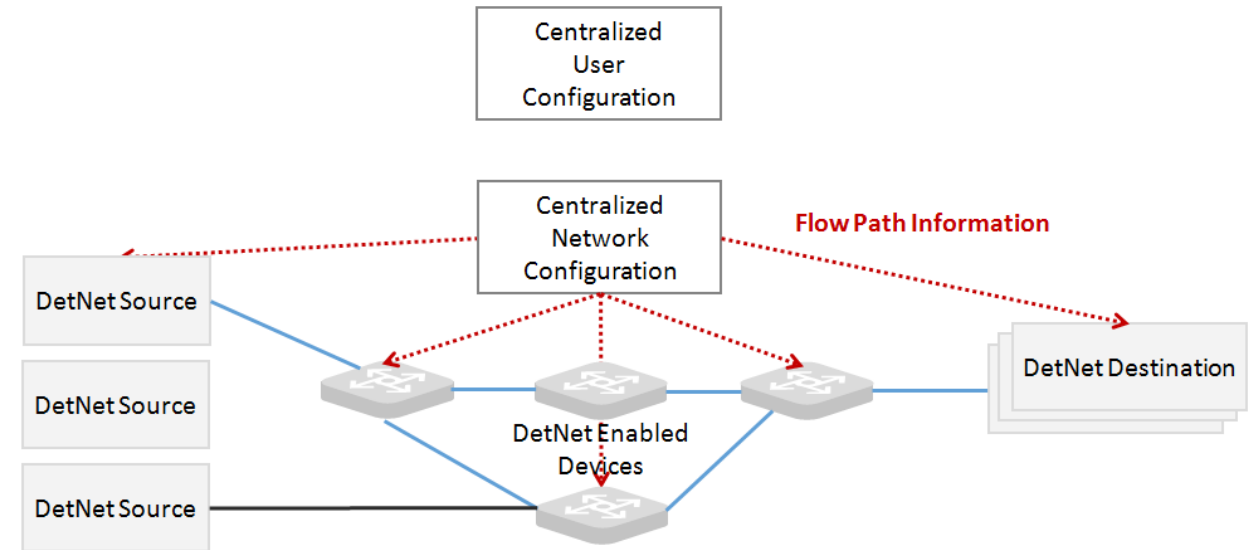
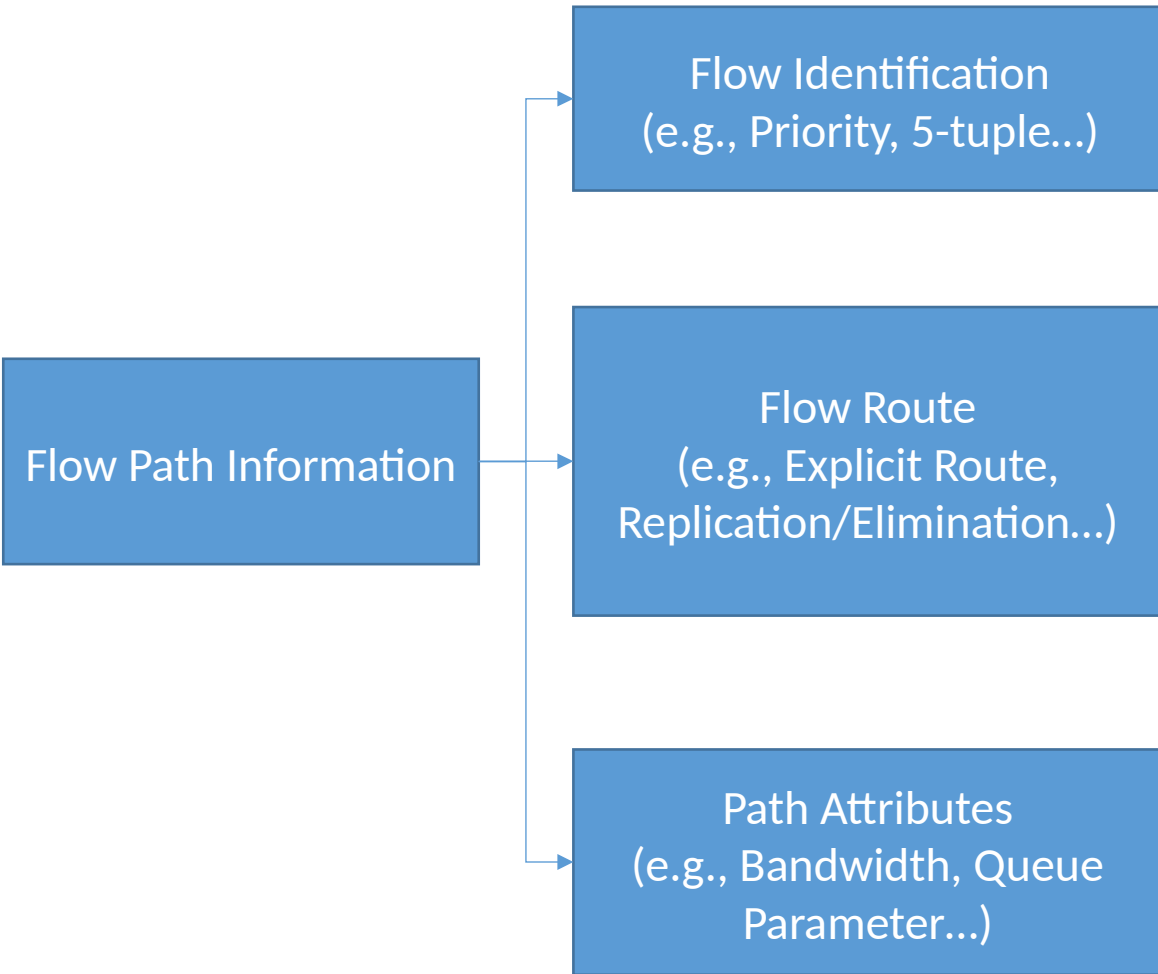
Flow Constraint Information



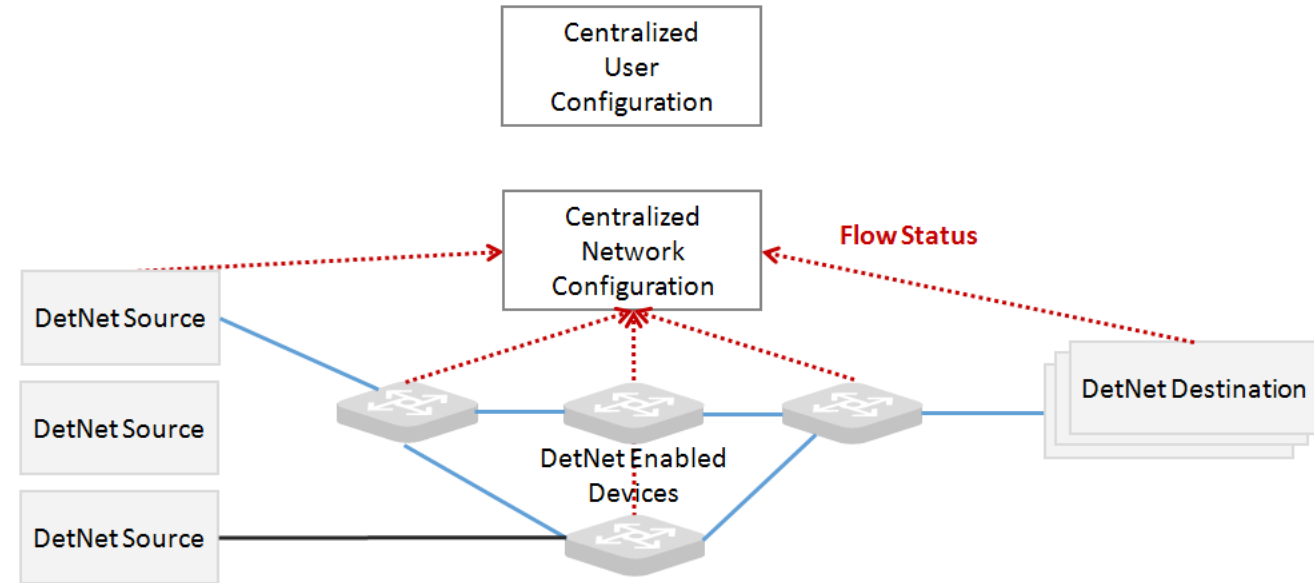
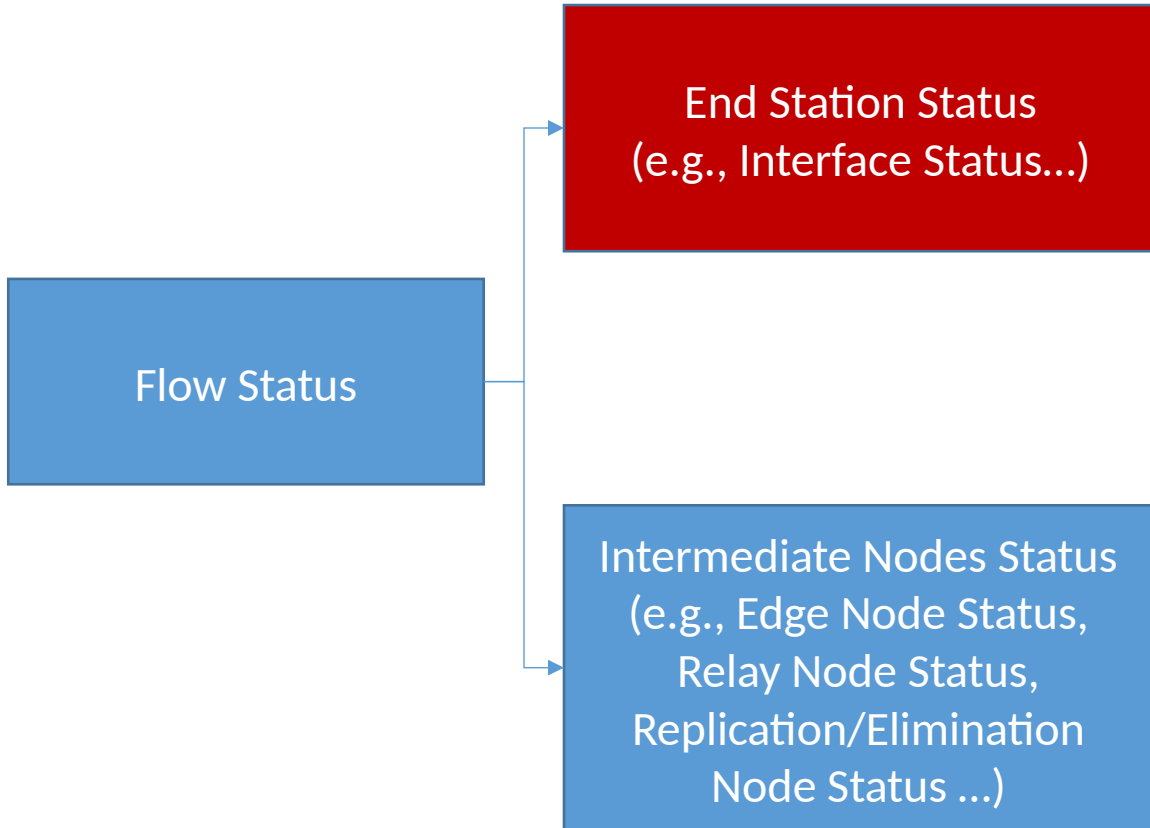
Network Information



Flow Path Information



Flow Status



Next Step

- WG Feedbacks?
- Work on flow information model is ongoing
- No details on network configuration part so far
 - Input: network topology, node capabilities, requested flows (flow info)
 - Output: path, node configuration,
- How to address network configuration?
 - Within flow information model draft?
 - New document?
- How to leverage work done in other WGs?
 - E.g., Topology model, TE LSP model, control plane (topology collection and path establishment) etc.

Thanks