Evolving FPCP

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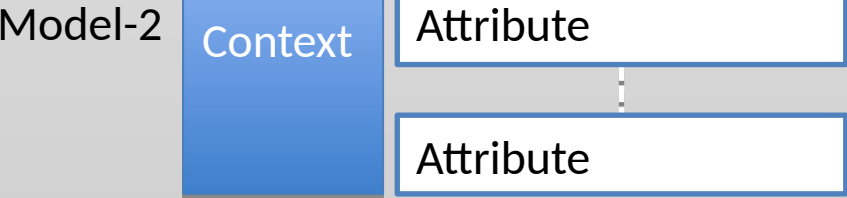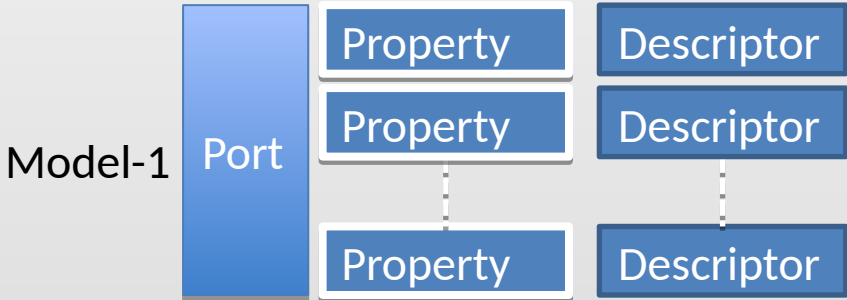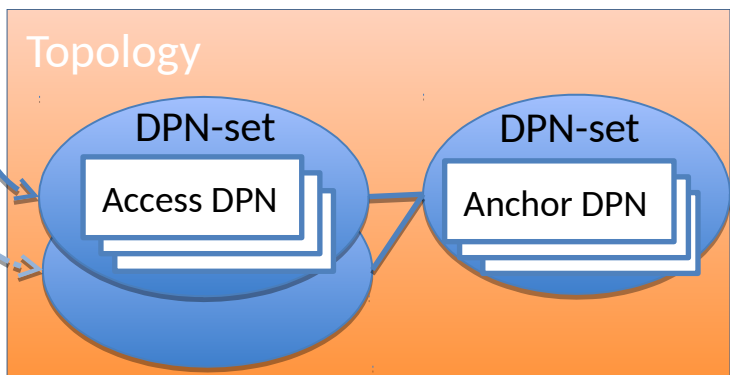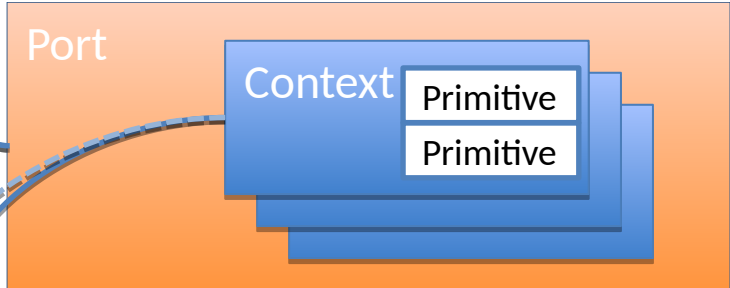
03/28 '16

Why?

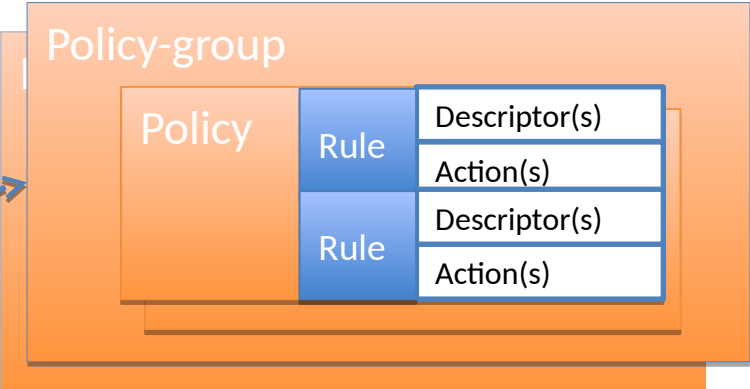- We must converge Model-I and II into a consisten t spec to bring to the WG
    - Those two are currently disconnected but just coexist in th e same doc.

- FPCP must provide abstractions which is clearly d istinguished from concretes
    - Current Model-I includes varied level of abstractions
    - Some of them are very similar with Model-II concretes
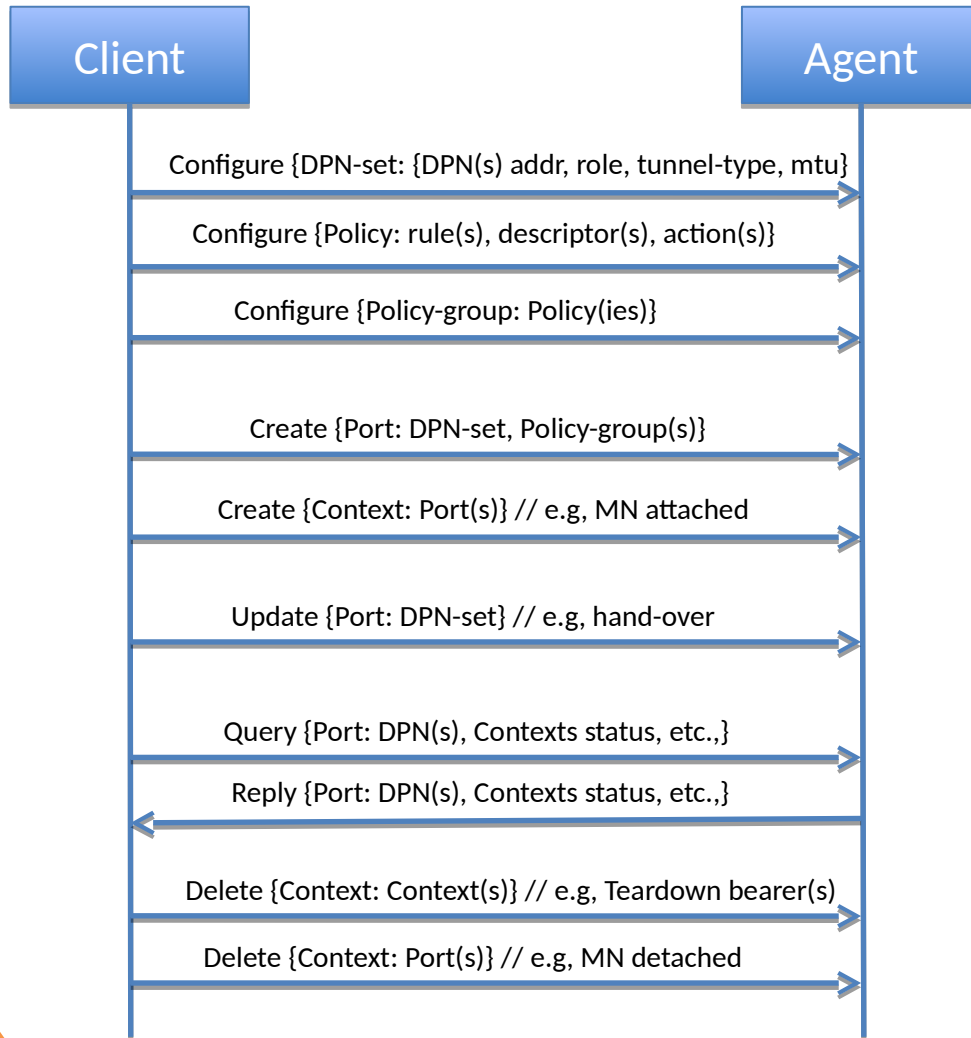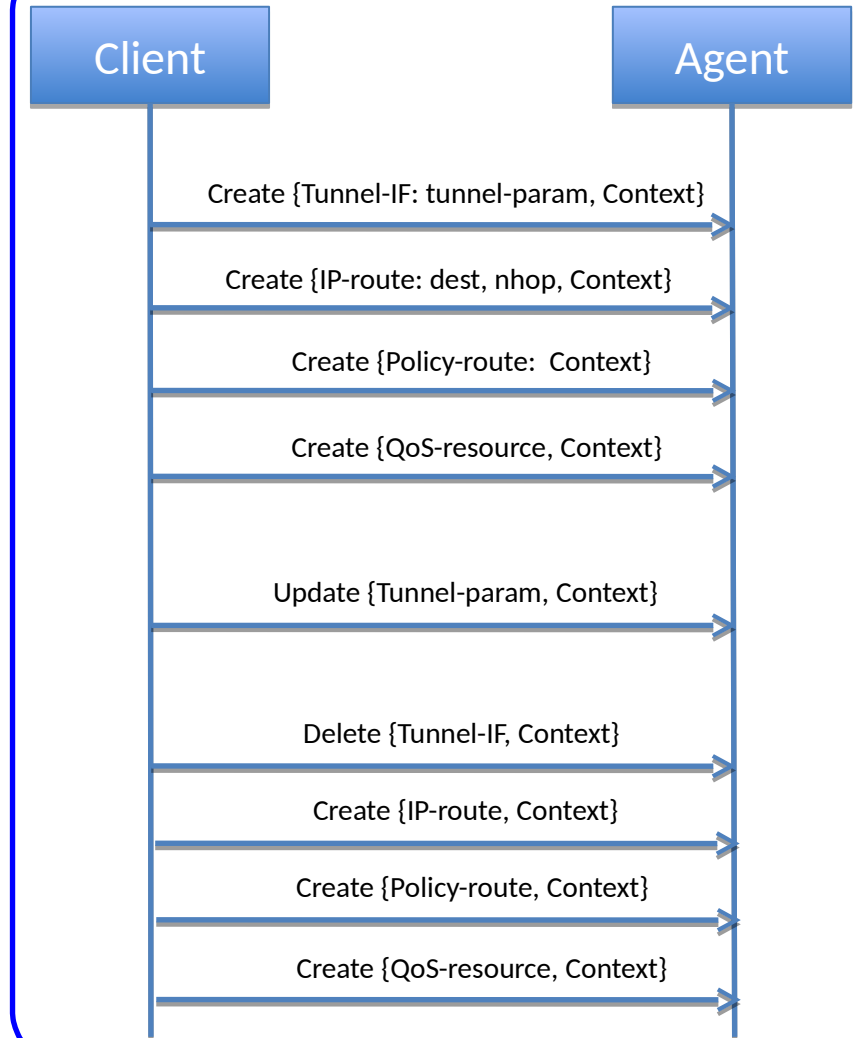   - It makes much confusion of why that two are needed?
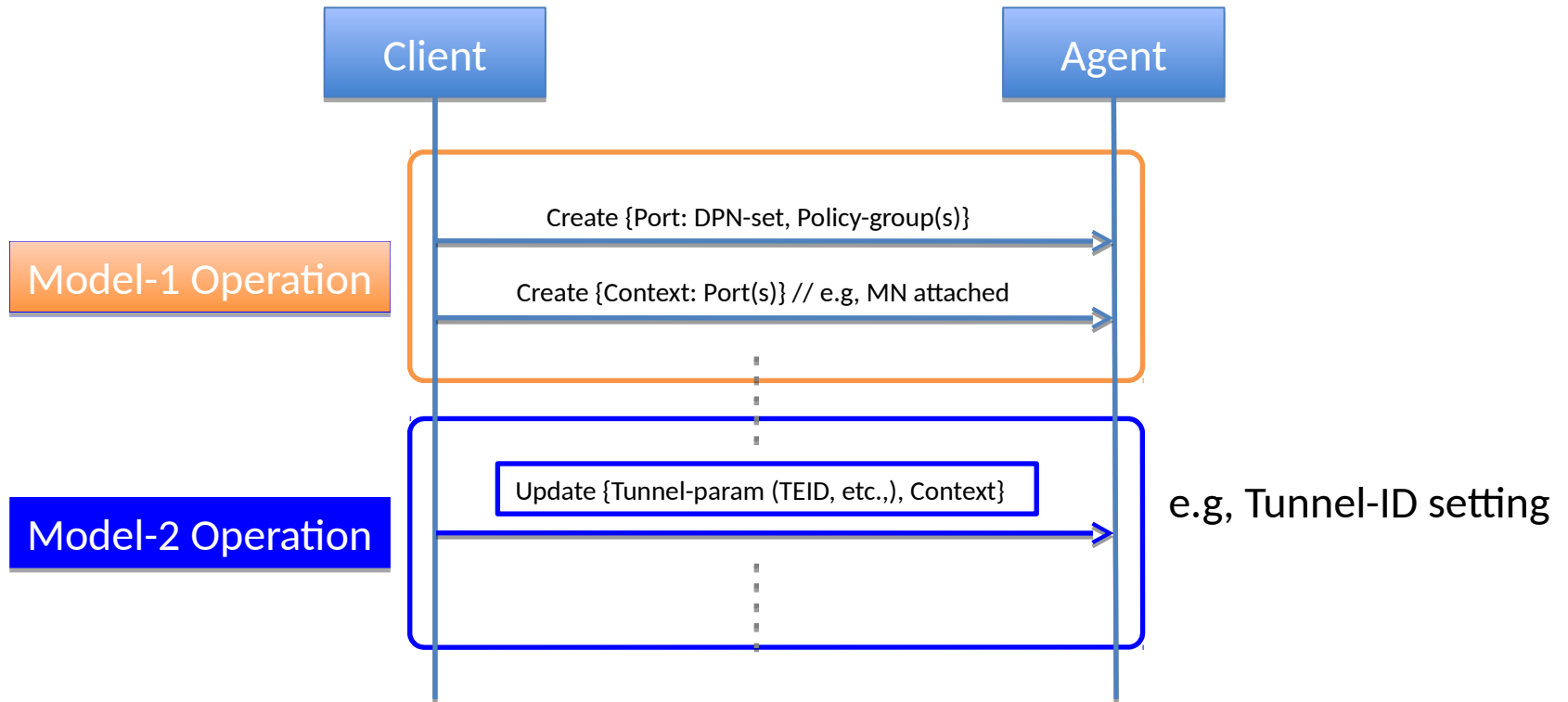
Modeling Concept

New Operational Concept

Model-1 Operation

Client — Agent

Configure {DPN-set: {DPN(s) addr, role, tunnel-type, mtu}

Configure {Policy: rule(s), descriptor(s), action(s)}

Configure {Policy-group: Policy(ies)}

Create {Port: DPN-set, Policy-group(s)}

Create {Context: Port(s)} // e.g, MN attached

Update {Port: DPN-set} // e.g, hand-over

Query {Port: DPN(s), Contexts status, etc.,}

Reply {Port: DPN(s), Contexts status, etc.,}

Delete {Context: Context(s)} // e.g, Teardown bearer(s)

Delete {Context: Port(s)} // e.g, MN detached

Model-2 Operation

Client — Agent

Create {Tunnel-IF: tunnel-param, Context}

Create {IP-route: dest, nhop, Context}

Create {Policy-route: Context}

Create {QoS-resource, Context}

Update {Tunnel-param, Context}

Delete {Tunnel-IF, Context}

Create {IP-route, Context}

Create {Policy-route, Context}

Create {QoS-resource, Context}

Model-2 Operations can reinforce Model-1 Operations

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