Architecture for Use of BGP as Central Controller

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Overview

BGP (core part of network) as controller in some ways

➢ has link state information [RFC7752] for computing optimal path

➢ advertise SR policies [ietf-idr-segment-routing-te-policy]
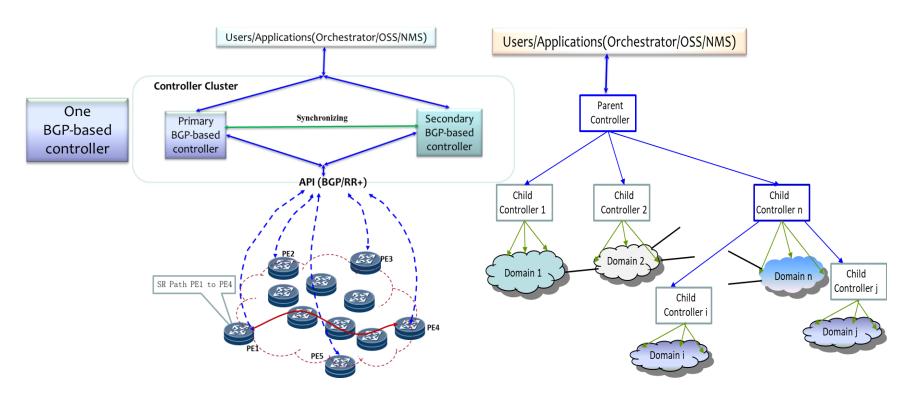
➢ controls traffic redirection [RFC5575]

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Using BGP as a controller has advantages

• Relatively Simple

• Reduce Opex and Capex

• Efficiently use resource

• Services with High Quality

Reference Architectures

- One Controller
- Controller Cluster
- Hierarchical Controllers

Next Step

Welcome Comments

Request for Adoption