Architecture for Use of BGP as Central Controller

draft-cth-rtgwg-bgp-control-03

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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]

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