CAR-CT Introduction

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BGP LU

• BGP Safi to carry IPv4/IPv6 routes with labels
  • Routes are stored in single v4/v6 tables

• Also has support for Add-Paths

• Typically used to carry underlay routes (with an AS) as well as Internet Routes

• Lacks support for Intent
  • More specifically Intent-based Routing and forwarding
Intent (Color) + BGP: Experimental

WG LCs need more support

• Authors of draft-wang-idr-cpr-02 – provided input on SRv6
• CT WG LC
  • Dates: (6/26 to 7/23)
  • 2 Implementations: Juniper and FreeRTR
  • RTG-Dir Review: Med
  • Target Reviewers for adoption issues: Jie Dong, Ketan Talaulikar, Swadesh Agarwal, DJ Rao, Joel Halpern, Jeff Haas, Keyur Patel (pending)

• CAR WG LC
  • Dates: 7/10 to 7/24
  • 2 Implementation: Cisco IOS-XR and Arrcus ARC-OS
  • RTG-Dir Reviewer: Ben Niven
  • Target Reviewers: Jie Dong, Kaliraj Vairavakkalai, Nats Venkataraman, Reshma Das, Jeff Haas
Open issues in Both WG LC for Experimental

• CT
  • Editorial issues + Reorganization + SRv6
  • Question-1: Are all sections clear?
  • New items: none

• CAR
  • Editorial issues + Reorganization + SRv6 + New NLRI (look at sections 9-10)
  • Question-1: Are all sections clear?
  • Question-2: Do new sections need more review?
Going Forward – August to November 2023

• Experimental drafts
  • WG LCs (CAR/CT) will run to IETF week (7/28, Friday)
  • Enough Support will be judged by chairs at end of week
  • If enough support, author-teams will edit drafts + WG LC changes
  • If not enough support, author teams must build support
  • Interim likely to discuss changes + proposed standard before IETF-118

• Proposed Standard
  • Goal: Add Intent (via color) + Update BGP-LU for 2020 RTG (SRv6, SR-MPLS, ...)
  • Did we meet the goal?