



CSR 1000V High Availability on AWS

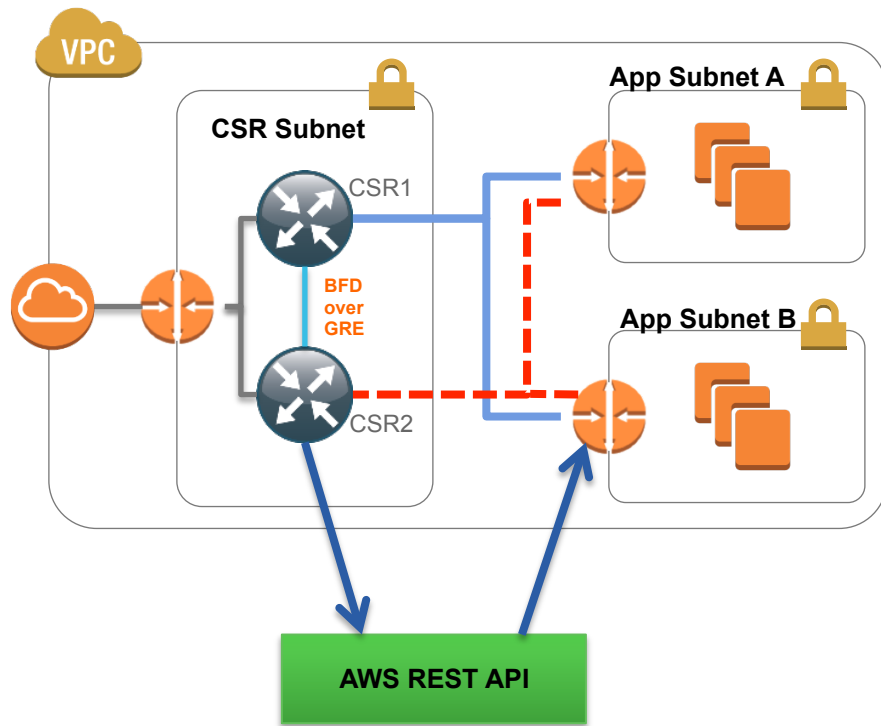
Fan Yang

Technical Marketing Engineer

CSR 1000V Routing High Availability on AWS

- No virtual IP as with HSRP, since AWS doesn't allow multicast.
- BFD over GRE tunnel is enabled between two CSRs to detect failure.
- Failure detection is automatic.
- AWS Route Tables for app subnets are re-pointed to opposite CSR.
- CSR itself calls AWS API to adjust AWS Route Table routes.

Failover is in sub-second!



Before HA Failover / After HA Failover

Resources

- You can find Cloud Formation Template
 - <https://github.com/yangfanbupt/car-ha-aws>
- CSR HA configurations on AWS
 - http://www.cisco.com/c/en/us/td/docs/routers/csr1000/software/aws/b_csraws/b_csraws_chapter_0100.html