

Edge Cloud

The Next Frontier for Low Latency Services

MPLSSD&AI NETWORK23
★ 18/20 APRIL

24TH EDITION

palaisdescongrès
deparis

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Red Hat

Michael Marshall
Principal Architect
Cisco

MPLS **SD&AI** NETWORK WORLD 23
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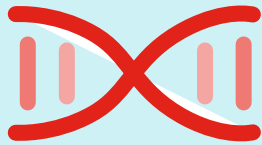


Edge Cloud Drivers

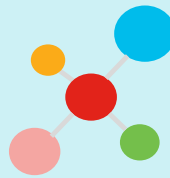
Network Transformation



NR, RAN, &
Mobile Core



Network
Consolidation

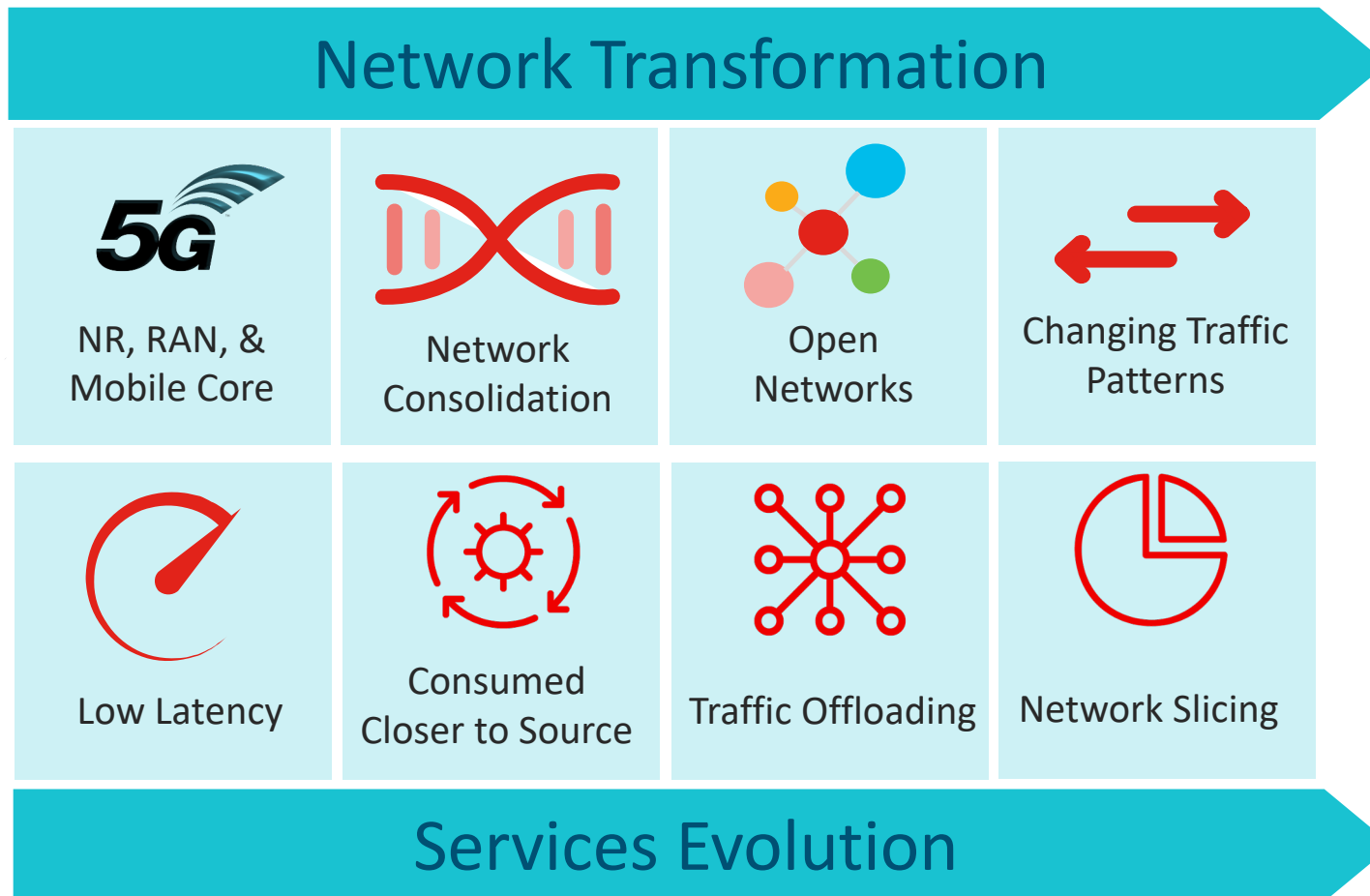


Open
Networks

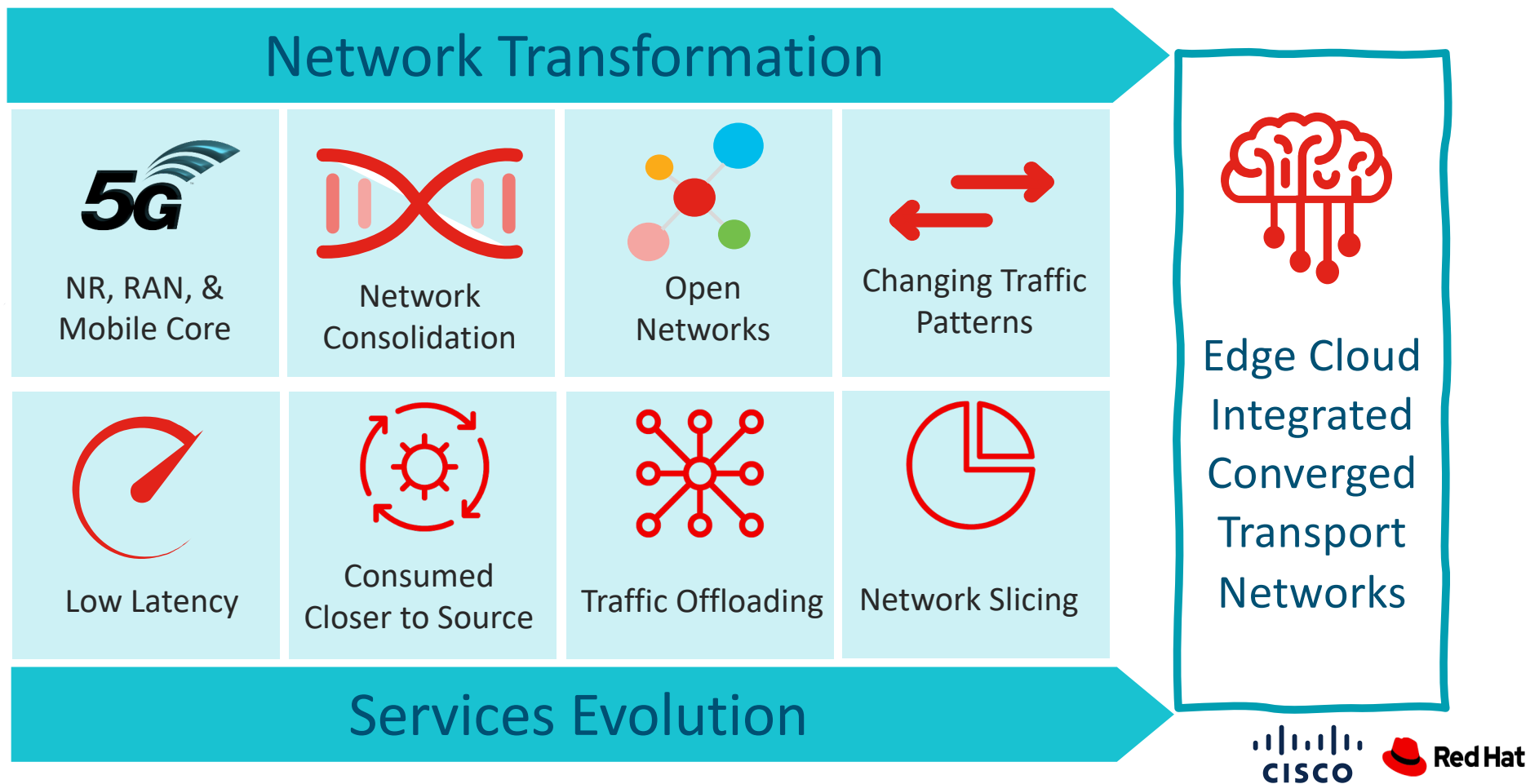


Changing Traffic
Patterns

Edge Cloud Drivers



Edge Cloud Drivers



End-User Premises Edge

Provider Edge

Provider/Enterprise Core



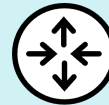
Customer
Edge



Provider
Access



Provider
Pre-Agg

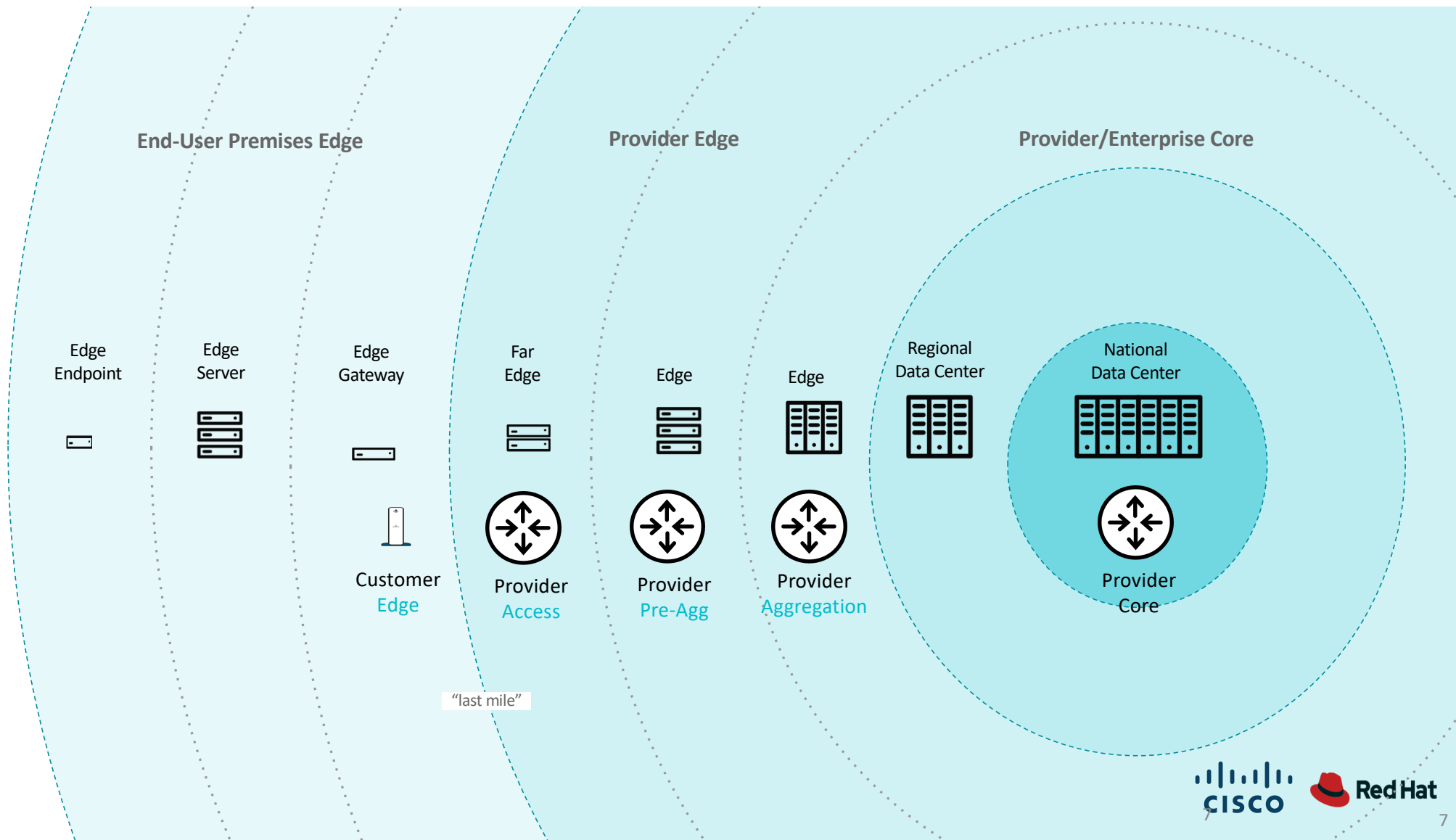


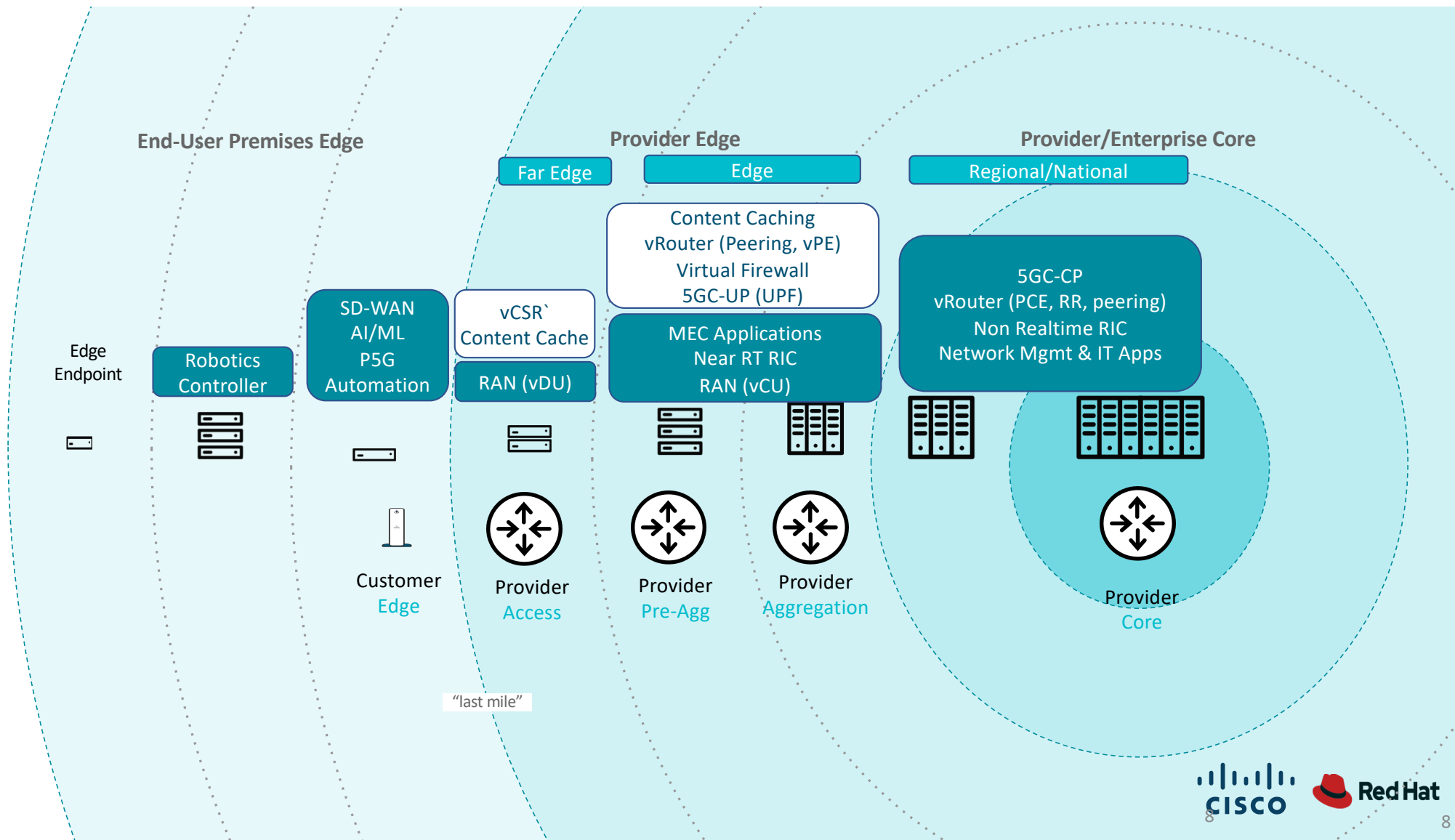
Provider
Aggregation



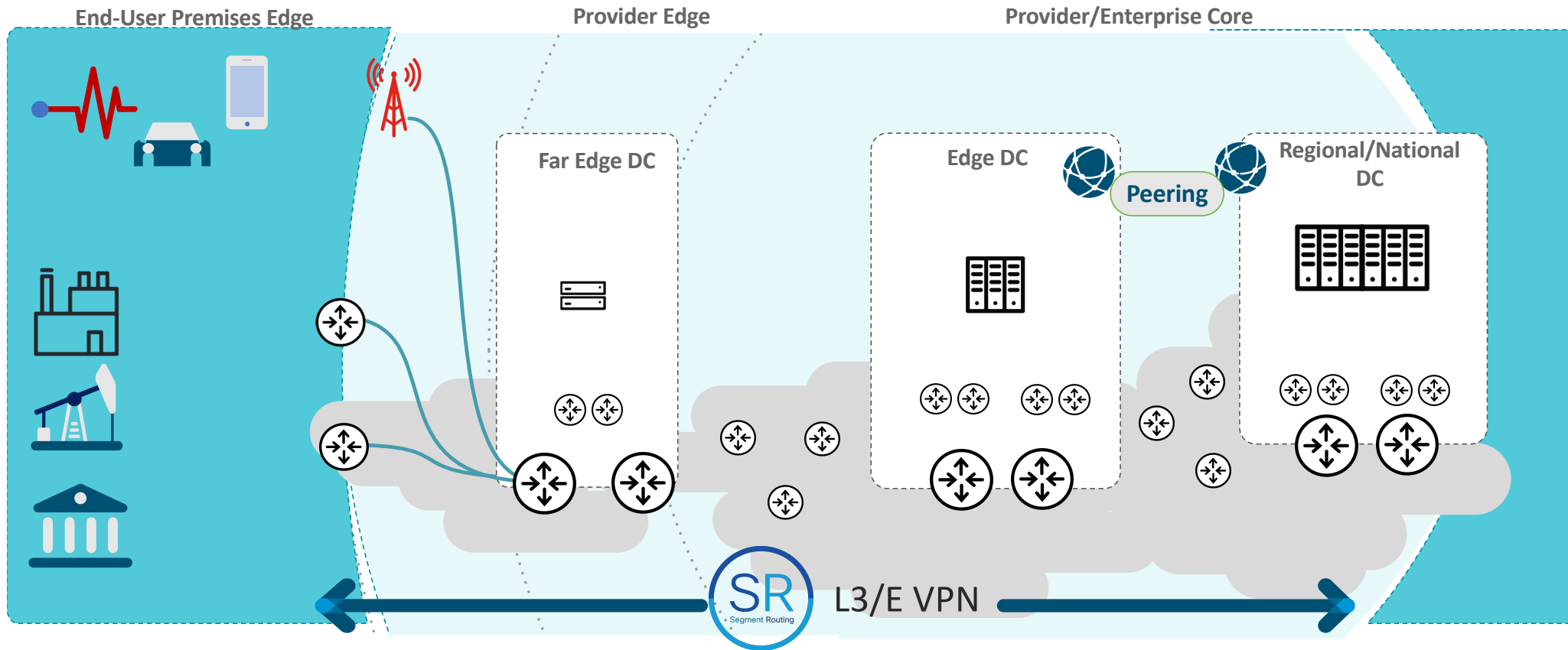
Provider
Core

"last mile"

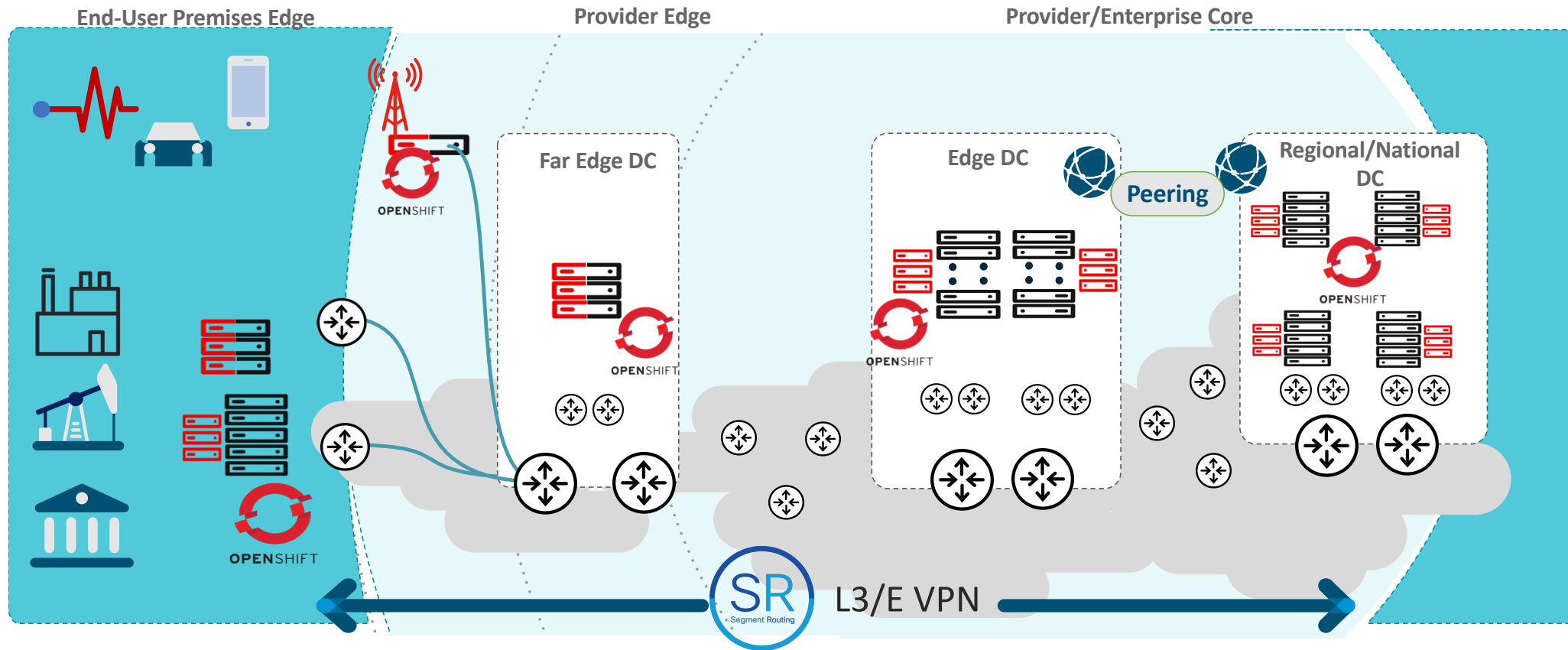




Edge Cloud and Converged Transport



Edge Cloud and Converged Transport



Red Hat OpenShift Cluster



Control Node

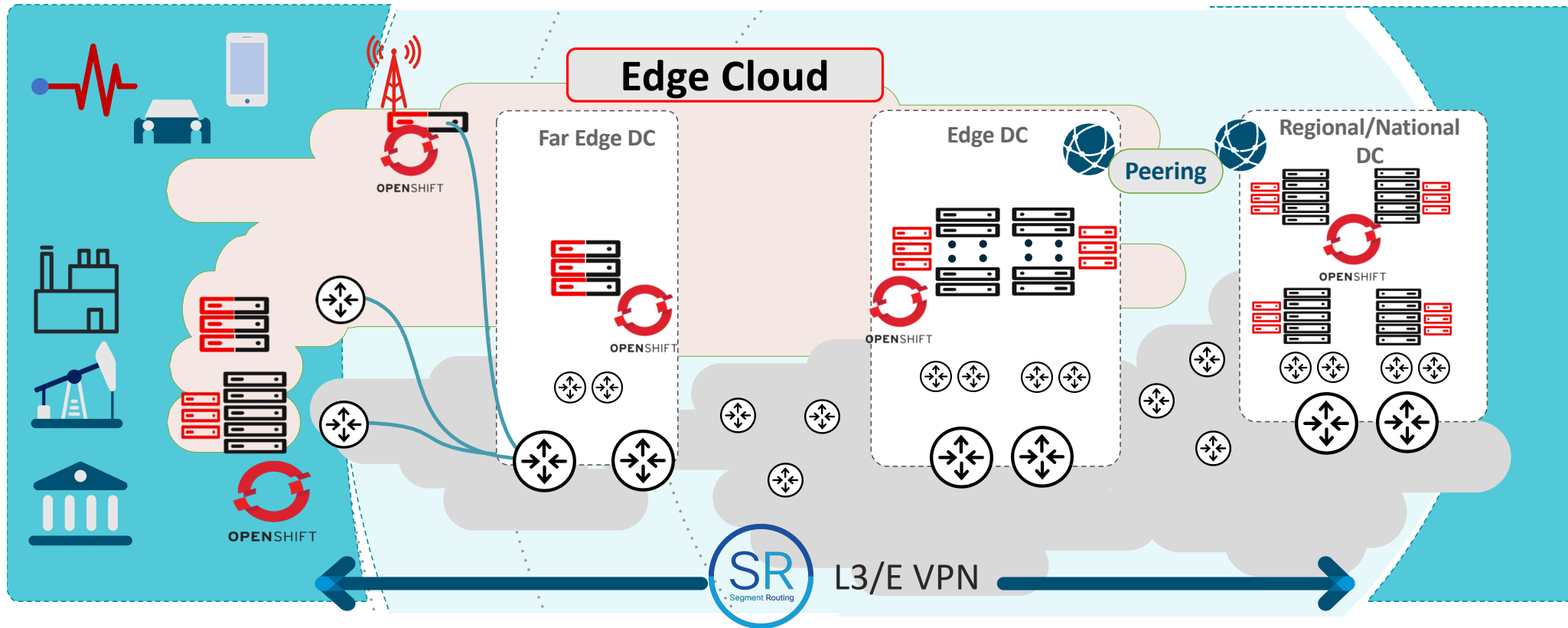


Compute Node



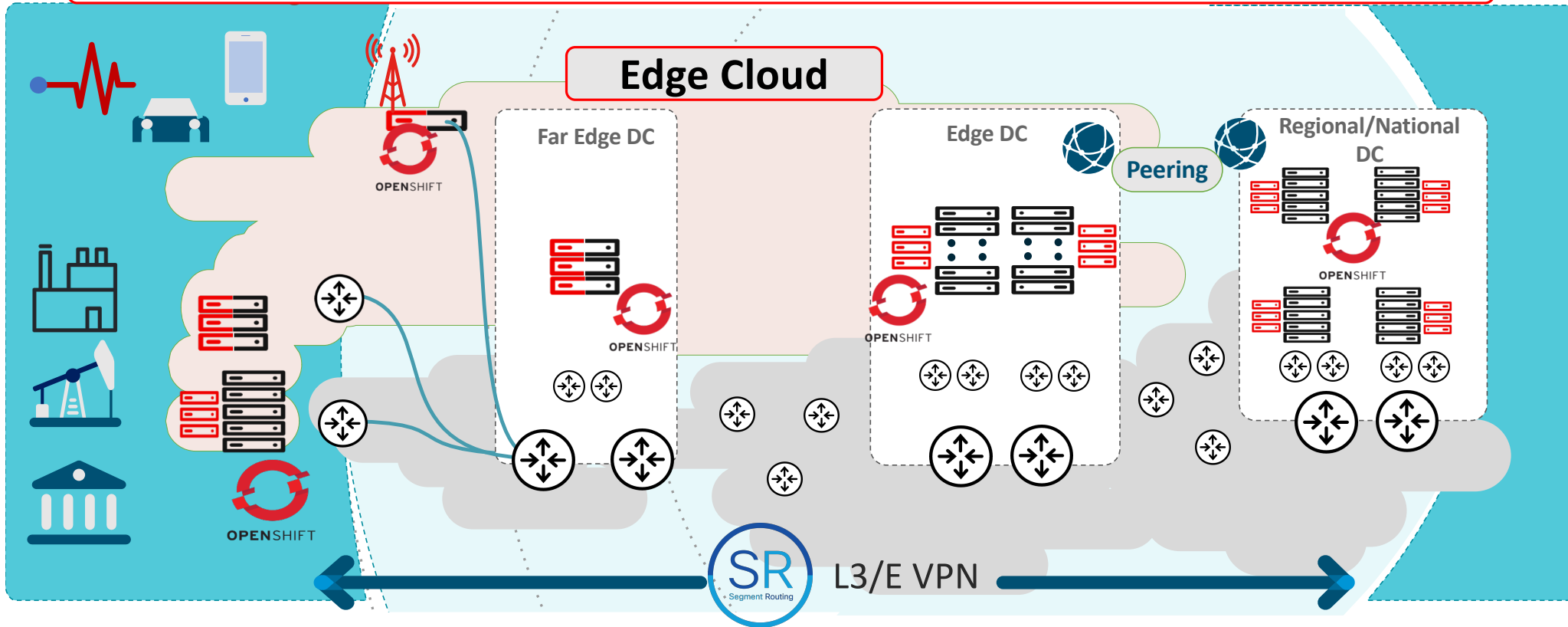
Control + Compute Node

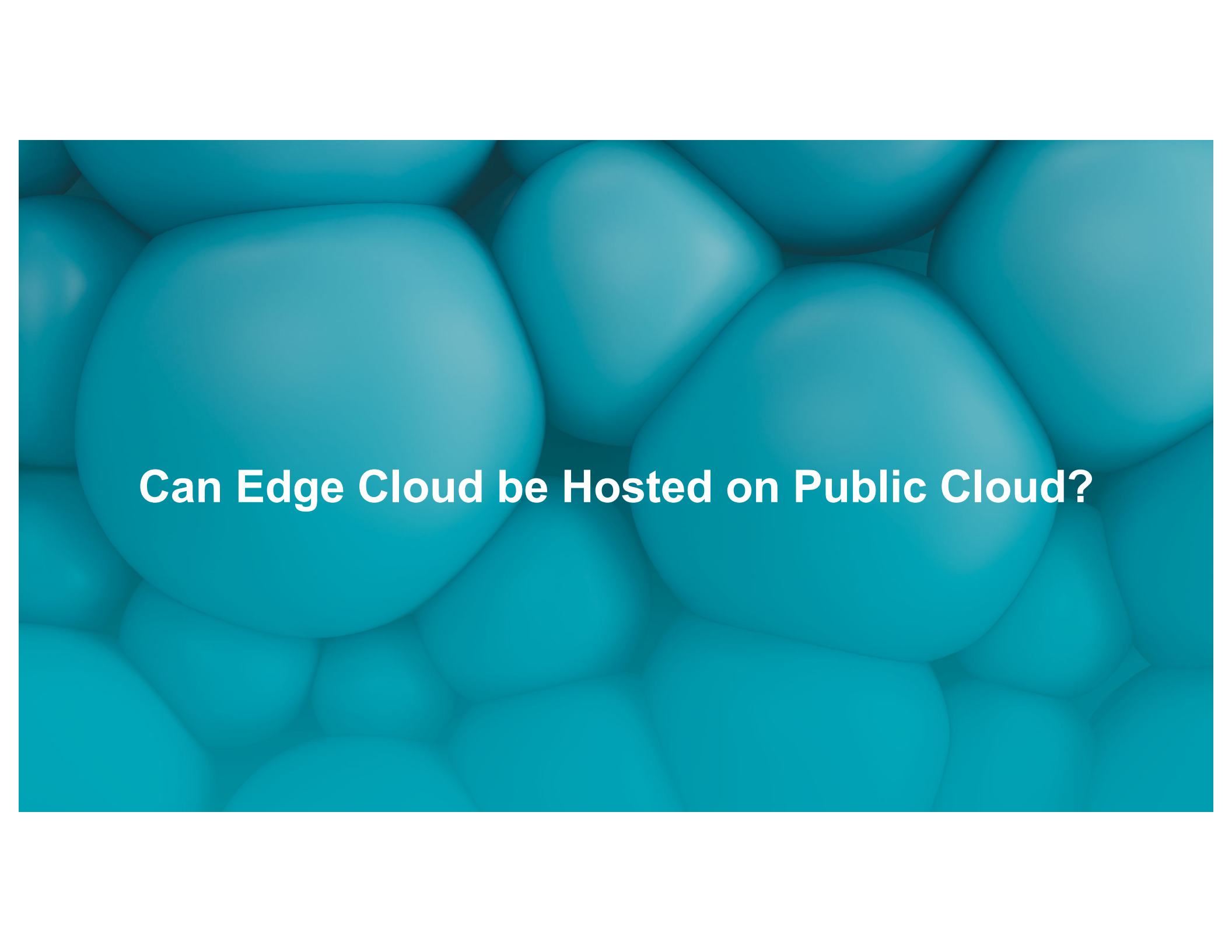
Edge Cloud and Converged Transport



Edge Cloud and Converged Transport

Red Hat OpenShift Powered Horizontal Telco Cloud

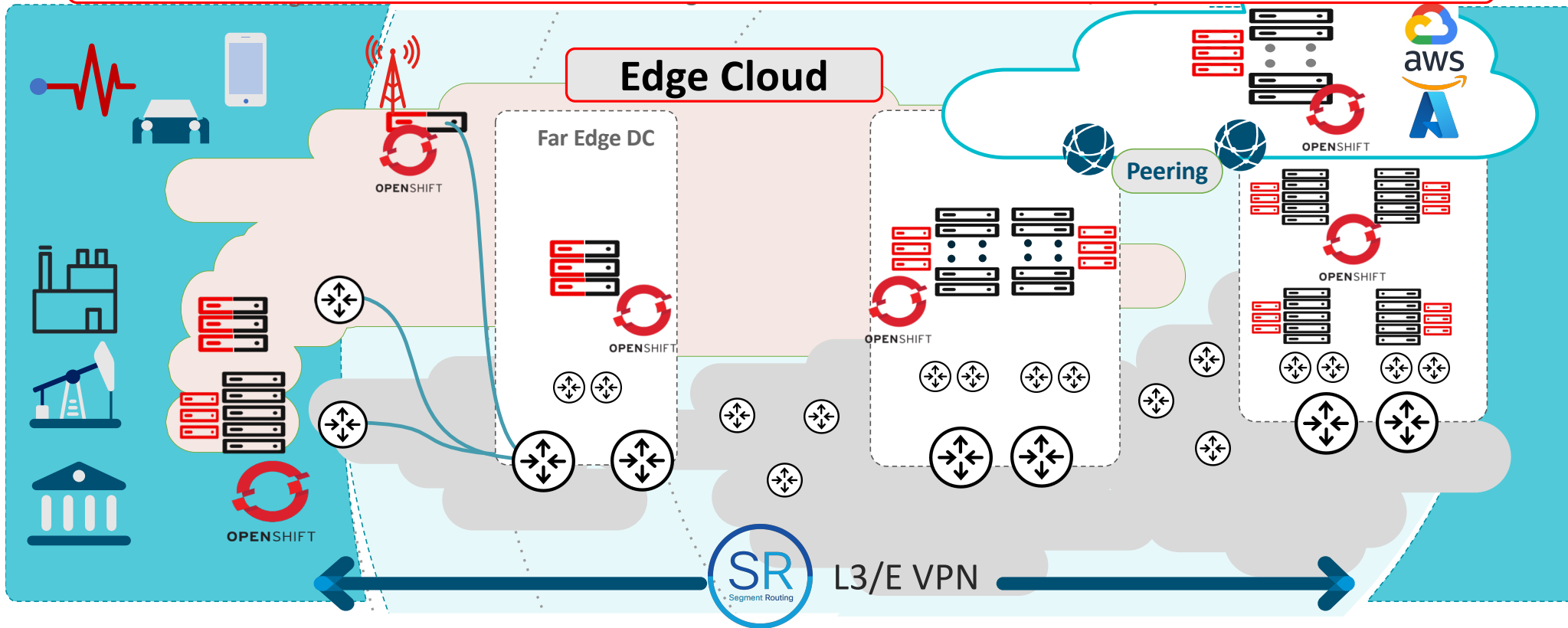


The background of the slide is a solid teal color. Overlaid on this background is a pattern of numerous overlapping, rounded, organic shapes that resemble stones or bubbles. These shapes are in various shades of teal, with some appearing lighter and more prominent than others, creating a sense of depth and texture.

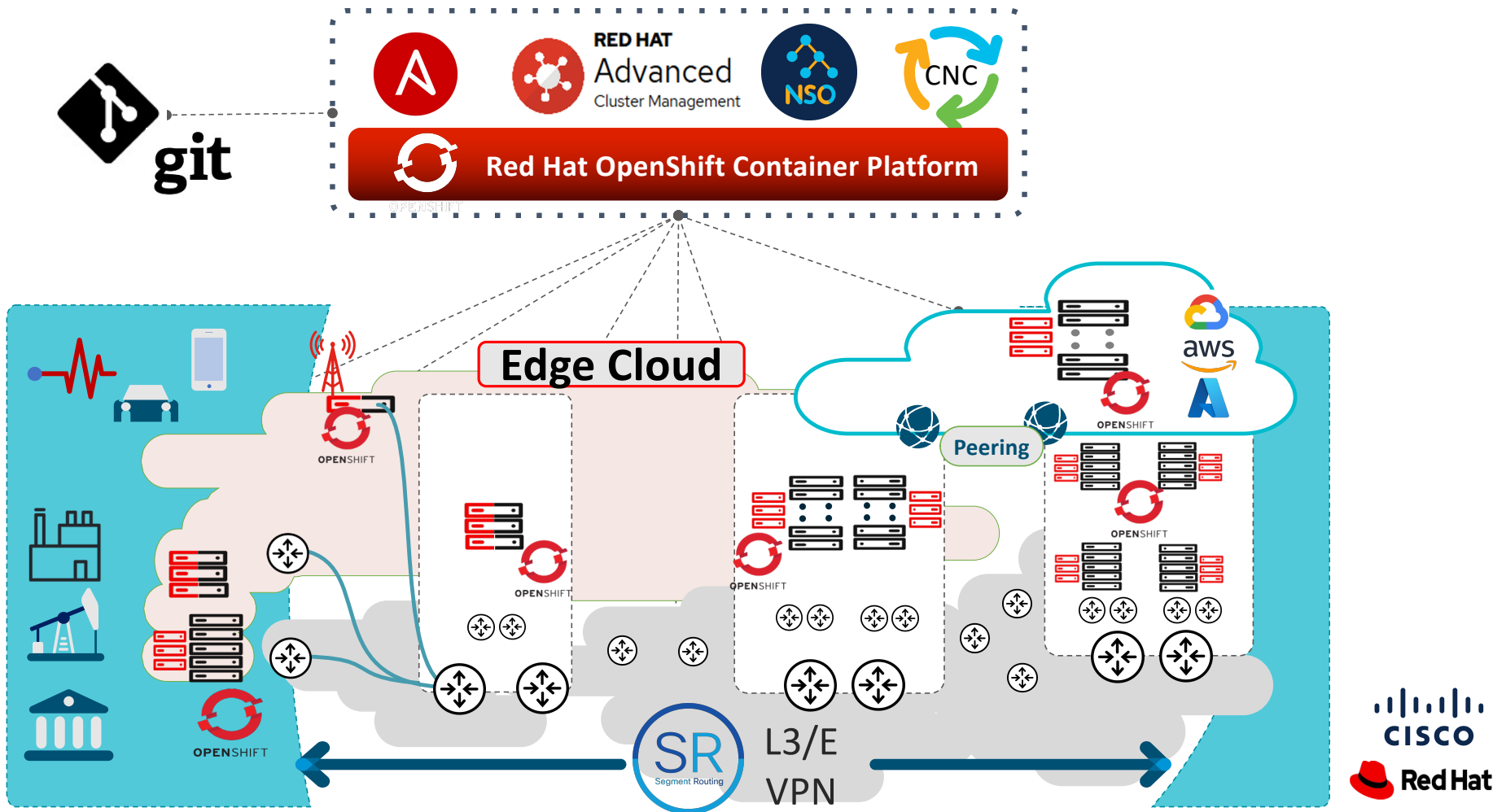
Can Edge Cloud be Hosted on Public Cloud?

Edge Cloud and Converged Transport

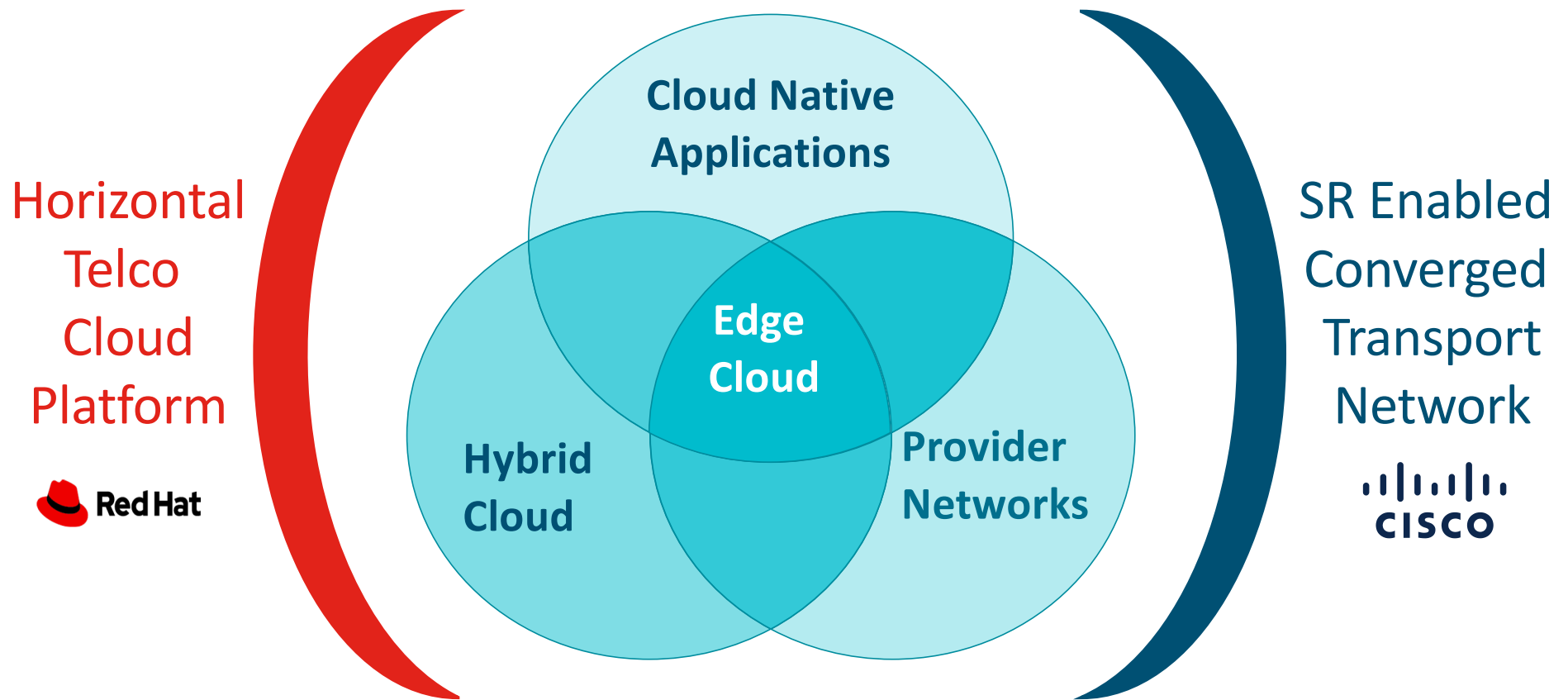
Red Hat OpenShift Powered Horizontal (Hybrid) Telco Cloud



GitOps for Edge Cloud Integrated Converged Network



In a Nut Shell ...



Interested in Converged Transport and Edge Cloud?



Edge Content at Red Hat

<https://www.redhat.com/architect/search?keys=edge>



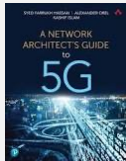
Cisco Edge Computing Solutions

<https://www.cisco.com/c/en/us/solutions/service-provider/edge-computing.html>



O-RAN Alliance xHaul Packet Switched Architecture

<https://orandownloadsweb.azurewebsites.net/specifications>



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The background of the slide is a solid teal color. Overlaid on this background are numerous overlapping, rounded, bubble-like shapes in a slightly lighter shade of teal. These shapes vary in size and are arranged in a way that creates a sense of depth and texture, resembling a cluster of stones or bubbles.

Thank You!

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