



1. Access and aggregation evolves
 Network convergence fuses wireline and mobile backhaul access and aggregation networks. Demand for new, highly scalable, cloud-ready and secure application services as functions are virtualized/containerized. Service providers migrate their functions to commercial-off-the-shelf products.

2. vPoP/vEPC/Multi-access Edge Computing
 Applications move closer to the edge. Virtual/containerized functions scale, accelerate, secure, and enhance the end-user experience and reduce application latency.

3. Managed and cloud services enabled by private or public multi-cloud
 Service providers can deploy managed services closer to their subscribers—necessary for latency-sensitive and bandwidth-intensive applications.

4. Data center/IT
 Secure mission critical applications and policy enforcement functions. Load balancing to scale and optimize in-house service provider applications.

5. Public cloud
 Public cloud applications at scale and with security protections from web application firewall and app delivery services.

6. Roaming interconnect
 Signaling and signaling security solutions such as Diameter/HTTP2, DNS, SIP, and GTP.

7. F5 Cloud Services
 F5 Cloud Services is a set of enterprise-grade SaaS services for security and application delivery that are optimized for cloud-native apps and micro-services. Includes Global server load balancing (GSLB) and DNS as a service.