

# Get greater insights and control over your entire edge-computing infrastructure.

**5G Edge Services helps you build, deploy and manage edge applications with efficiency and scale. This is Enterprise Intelligence.**

**Mobile edge computing (MEC) solutions deliver a host of benefits and capabilities to enterprises. They enable cloud-computing resources to be deployed at the edge of a mobile network to deliver low latency and an improved user experience. The challenge is that many of these solutions are required to be deployed across different network infrastructures and cloud service providers, thereby making application development, deployment and life-cycle management a constant worry for developers.**

Adding to the complexity is that many providers lack general platform-based, application-enablement solution services that are capable of spanning multiple cloud service providers and both private and public MEC domains. In addition, enterprises may have instances where a number of mobile devices or the same application must be deployed in multiple locations using a distributed cloud environment, but may struggle to do so at scale.

Verizon 5G Edge Services gives you the tools to build and deploy MEC applications across a distributed infrastructure, along with management capabilities for greater visibility and control. 5G Edge Services provides a holistic view into your entire infrastructure, including across multiple cloud service providers (CSPs) and public and private network deployment models, thereby helping you to control costs and capitalize on new business opportunities. Plus, you can now scale MEC applications at will to find and leverage these opportunities as business needs change and infrastructure options evolve.

5G Edge Services takes a phased approach in its platform services support model for MEC projects:



**Build.** Provides edge-optimized application enablement that can support public or privately deployed MEC and is CSP agnostic



**Deploy.** Makes available platform tools and services to deploy applications across mixed MEC environments (i.e., public or private) at scale



**Manage.** Delivers a single interface featuring a set of automation tools and services that provide end-to-end visibility for more efficient application management based on network intelligence

## 5G Edge Services components and features

Verizon 5G Edge Services currently offers the following capabilities:

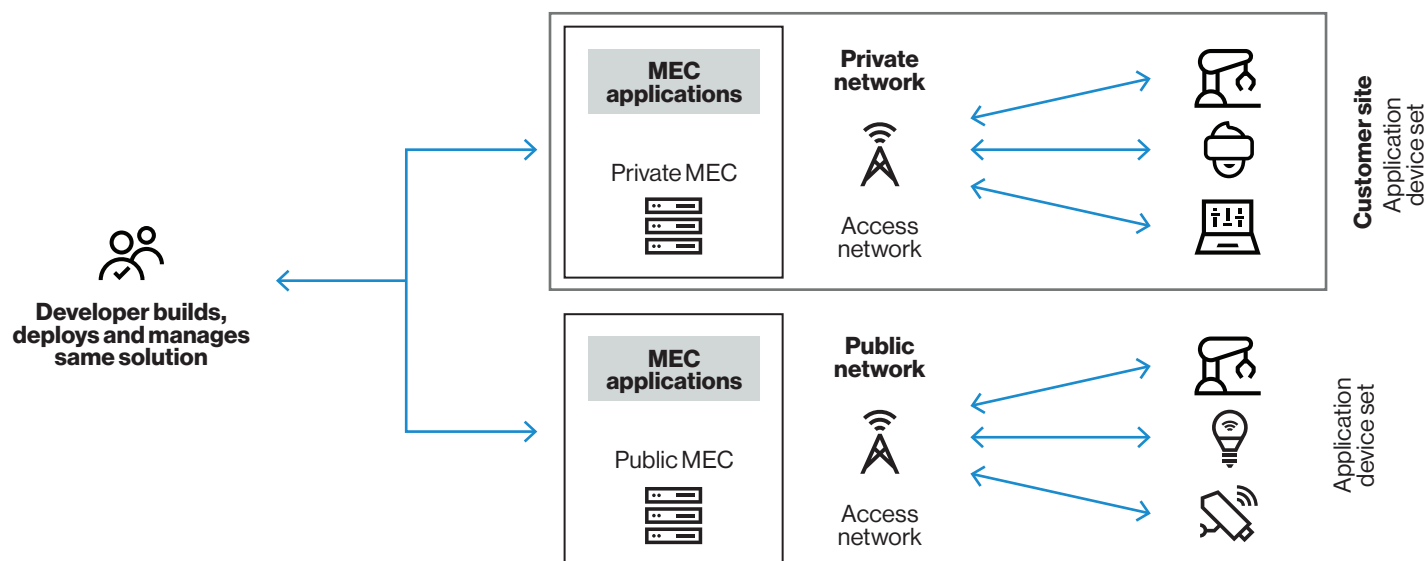
### Build

- User Access Management (UAM)
  - Secure user authentication and role-based authorizations for customers and third-party partners, based on a zero-trust security model
- Service library
  - Repository of available Verizon and customer-owned-and-managed services and applications that can be deployed to the MEC

### Deploy

- Edge discovery service (EDS)
  - Determine optimum MEC sites using a built-in application programming interface (API)
  - Automate application deployment for quicker turnaround times<sup>1</sup>
- Workload discovery
  - Identify an optimal MEC edge server for your applications from a geographically distributed set

## How 5G Edge Services helps you achieve Enterprise Intelligence by orchestrating your application creation, deployment and management



### Manage

- Performance management
  - Monitor the performance of network, devices, infrastructure and applications, and provide alerts and alarms
- EDS
  - Receive automated notifications of updated optimal MEC list during periods when the end device is mobile and its current optimal MEC connection is no longer optimal
- Device management
  - Enable device connectivity management details, such as registration, connection status, firmware-over-the-air (FOTA) updates and secured SIM

### 5G Edge Services benefits

5G Edge Services delivers the following benefits to help simplify MEC creation, deployment and management:

- A full view across your entire distributed infrastructure, enabling holistic and timely insights, greater efficiency and optimal connectivity
- The tools to optimize network edge performance with cost-reducing edge discovery capabilities
- The ability for partners to manage deployments more efficiently across multiple enterprises to help reduce costs and provide an optimal experience

### Why Verizon

Using 5G Edge Services for MEC application creation, deployment and management can help you increase productivity and improve user experiences for your customers. As we further develop our 5G capabilities, 5G Edge Services can open up new opportunities in edge computing that go beyond what traditional cloud providers can offer. Plus, our solutions use standard APIs that provide a plug-and-play experience that helps control the costs of integrating Verizon and third-party services.

#### Learn more:

To learn more about 5G Edge Services and how it can help you take full advantage of MEC applications, contact your Verizon Business Account Manager or visit [verizon.com/business/5g-edge-portal/](https://verizon.com/business/5g-edge-portal/)