

# Seizing the digital transformation with Network as a Service Solutions

## What is Network as a Service Solutions (NaaS Solutions)?

It's the future. NaaS digitizes traditional network functions to help create a far more flexible, programmable, scalable and reliable network.

### Building a better business; NaaS Solutions can help:

- Optimize resources
- Increase network performance and flexibility
- Simplify operations
- Create a path to innovation

### Traditional network

- Rigid, fixed bandwidths
- Manually configured hardware that takes longer to provision
- Higher CAPEX investments
- Not easily automated

vs.

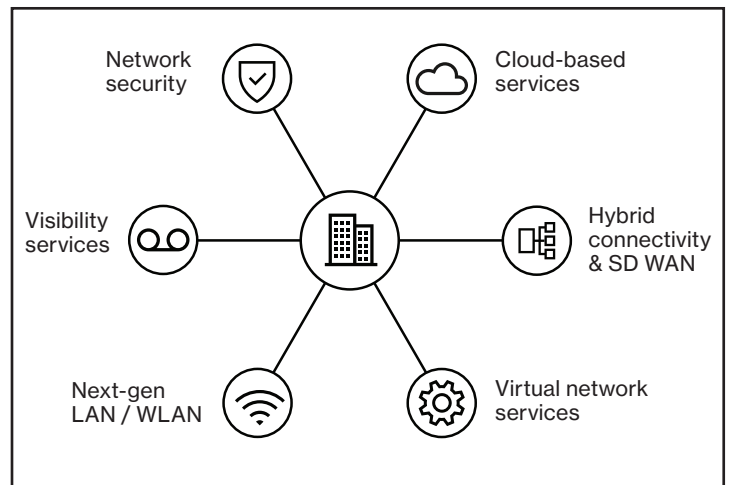
### NaaS Solutions

- Intelligent and flexible
- Virtualized services can be changed quickly
- Usually delivered on a pay-as-you-need basis
- Programmable and automated

### You can DIY, but why would you?

- Difficult to staff and keep trained in a rapidly evolving environment
- Developing the needed tools can be costly and time-consuming
- Your business may lack the needed management expertise

## The six components of NaaS Solutions

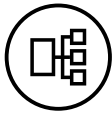


### Cloud based services

Verizon can provide cloud connectivity solutions with products such as Secure Cloud Interconnect, Software Defined Interconnect and custom colocation solutions.

#### Potential benefits:

- Efficiency
- Cost-effectiveness
- Business agility
- Productivity and collaboration
- Application performance



### Hybrid connectivity

**Big idea:** Connectivity options can be intelligently combined and tailored to fit the performance and experience demands of each part of the company.

**Potential benefits:**

- Increased reliability
- Balanced security
- Balanced performance
- Speed-to-market

### The Software-Defined Wide Area Network (SD WAN)

**Big Idea:** SD WAN provides hybrid connectivity along with application-aware routing to automate traffic routing decisions.

**Potential benefits:**

- **Deployment speed** – centralized, policy-based controls
- **Application performance** – automated, rules-based intelligent routing control
- **Network flexibility** – hybrid (public/private) networking
- **Cost-effectiveness** – ability to offload recreational traffic to lower cost connections



### Virtual Network Services (VNS)

**Big idea:** Replaces networking appliances like routers and firewalls with virtualized software services that can be hosted in a cloud or on a local universal device (uCPE) with multiple networking functions (routing, security, SD WAN, WAN optimization and SBCaaS) on a single piece of hardware.

**Potential benefits:**

- **Simplicity** – consolidates multiple functions onto one piece of hardware
- **Agility** – lightning-fast changes & quick scaling
- **Better-managed costs** – less hardware = lower hardware cost
- **Speed-to-Market** – easily change services and create new ones



### Next-gen wireless LAN

**Big idea:** More than just guest WiFi support, the next generation is highly user-centric.

**Potential benefits:**

Highly engaging user experiences with Bluetooth®-enabled WiFi and artificial intelligence to help provide virtual location-based services like wayfinding, ad pop ups and mobile POS shopping.



### Visibility services

**Big idea:** Full visibility into a network infrastructure includes:

- Network performance
- Application performance
- User experience



### Network security

**Big idea:** Full visibility into a network infrastructure includes cloud-based security to meet security demands across today's distributed organizations

**Potential benefits:**

- More scalable
- Easier to deploy and manage
- Better application performance
- Increased business agility
- Zero Trust Security can limit users to specific applications
  - Improved security to critical resources