Hewlett Packard Enterprise

HPE GREENLAKE

5G infrastructure as-a-service

CONSUMPTION-BASED IT

Hewlett Packard Enterprise has created a consumption-based solution for the on-premises deployment of Telco-focused infrastructures. This solution is a combination of the HPE hybrid cloud portfolio of Telco blueprints and the HPE GreenLake consumption-based IT offer. It is purpose-built for 5G implementations based on our experience with the demands of the Telco industry and the specifications for 5G infrastructure. There are two use cases—core, for the data center, and edge, for distributed 5G.

Benefits of HPE GreenLake consumption-based services

65%
shortened time to market for deploying global IT projects[1]

30%
CAPEX savings due to eliminated need for overprovisioning[2]

90%
reduction in support/professional services costs[3]

[1], [2], [3] "The Total Economic Impact of HPE GreenLake Flex Capacity," a commissioned study by HPE, Forrester Research, Inc., May 2018

[4] IDC FutureScape: Worldwide Datacenter 2020 Predictions, Doc # US44747919, October 2019

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REALIZE FASTER VALUE

Telcos can cut the barriers of entry to deploy 5G; gain the flexibility to manage the uncertainty of timing and sizing of 5G deployments; manage the combination of on-demand versus reserve cost for the Telco infrastructure and business model. This provides the agility of the cloud infrastructure as-a-service model by combining proven infrastructure with:

Pay-per-use economics
Flexible, consumption-based model

Accelerated time to value
Preconfigured for rapid deployment

Simplified IT
Support to manage your environment

On-premises control
In your IT environment—from core to edge

"By 2024, over 75% of infrastructure in edge locations will be consumed/operated via an as-a-service model, as will more than half of data center infrastructure."[4]

TAILORED FOR 5G

HPE Telco Blueprints are validated reference configurations based on HPE infrastructure platforms and partner-sourced Virtualized Infrastructure Manager (VIM) offerings that are customized for specific NFV use cases like 5G. These blueprints are offered with automated configuration toolkits and documentation to simplify the install and build of the NFV infrastructure stack.

The core blueprint is meant for Telco data centers, made of HPE ProLiant DL360/380, ToR switches in an AC rack, with 400 GB storage per compute node. It can include Linux® or not, depending on preference. Its reserved capacity is 80%, on-demand capacity is 20% additional capacity installed on-site.

The edge blueprint uses an HPE Edgeline 4000 system, HPE ProLiant DL380 ToR switches, switches in an AC rack, and installed storage. It can include Linux or not, depending on preference. Each site with a starter kit includes three compute nodes per starter kit to begin with and grows to a maximum of seven compute nodes. In addition, each starter kit will have an extra compute node (HPE ProLiant DL360) installed to act as a buffer, or an SLA server. Its reserved capacity is 100%.

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HPE GreenLake

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