Red Hat

Optimize 5G networks with the power of automation

5G network technology is unlocking innovation and value for the telecommunications industry. Global Systems Integrators (GSIs) are key to helping telecommunications service providers modernize their infrastructure to make the most of this technology.

The complexity of 5G networks can be mitigated by using automation to consistently and reliably accelerate software deployment and life cycle management. With Red Hat® platforms and tools—along with the integration capabilities provided by GSIs—you can simplify operations and increase time to market for new 5G service innovation opportunities.

Here are 3 ways Red Hat and our GSI ecosystem can help you simplify your 5G networks.

1 Simplify and streamline network setup

Modern telecommunications architectures present excellent opportunities for differentiation through flexibility, but deployment, operations, and integration of these architectures come at a cost.

Red Hat collaborates with GSIs to streamline network setup for telecommunications service providers, helping you to:

▸ Consistently automate across all cloud infrastructure (private, public, and multicloud).

▸ Integrate tools with clear interfaces to provide and consume resources that efficiently manage cost.

▸ Implement pretested and preintegrated solutions that can host multivendor services and applications.

2 Accelerate network deployment and operations

Agile development of network functions that make up a multivendor 5G architecture results in a confluence of patches, upgrades, and configuration changes. At the same time, radio access network (RAN) sites may be so remote that human hands may not touch them for years after the initial install.

A fully integrated Red Hat solution and a GSI will help service providers achieve consistent and reliable operations by:

▸ Boosting agility in deployment (and redeployment) of 5G-based services to alternate cloud infrastructures based on changing demand.

▸ Increasing speed and reducing costs of operations for new 5G networks.

▸ Enhancing development, security, and operations (DevSecOps).

3   Transform your 5G network

Use our comprehensive application platform and tool suite with in-depth system integration capabilities and expertise to build an efficient, robust hybrid cloud environment to form the foundation of your 5G network.

Red Hat's collaboration with GSI partners gives service providers an end-to-end solution with full life cycle support and will streamline 5G adoption and upkeep, helping you to:

▸ Manage the complex IT landscape required for 5G and optimize ongoing operations.

▸ Improve time to value.

▸ Improve business performance, productivity, and agility by taking advantage of the latest ecosystem innovations and specialized skill sets.

▸ Reduce unplanned downtime and associated costs.

Learn more

Find out how Red Hat solutions work in tandem with our GSI partners to provide the flexibility you need to meet your customers' needs and discover how Red Hat partners can help you innovate for success.

About Red Hat

Red Hat helps customers standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with award-winning support, training, and consulting services.

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