

Monetize 5G with Ericsson Charging and Billing on Dell Telecom Infrastructure Blocks

Ericsson Charging and Billing with Dell Telecom Infrastructure Blocks for Red Hat (DTIB).

The telecom industry is amid a monumental transformation. With the proliferation of 5G and the rise of data-driven services, Communication Service Providers (CSPs) face immense challenges—not just to innovate, but to do so at unprecedented speed and scale. Traditional architectures, laden with complexity and rigidity, are ill-equipped to keep pace with the demands of today’s digital economy.

Ericsson and Dell Technologies have joined forces to transform telecom operations. By integrating Ericsson’s Charging and Billing solution with Dell Telecom Infrastructure Blocks for Red Hat, this partnership enables CSPs worldwide to monetize new use cases with greater agility and scalability.

This solution brief explores the powerful synergy of Ericsson and Dell Technologies, the compelling benefits for CSPs, and how this partnership accelerates the industry’s shift toward a cloud-native future.

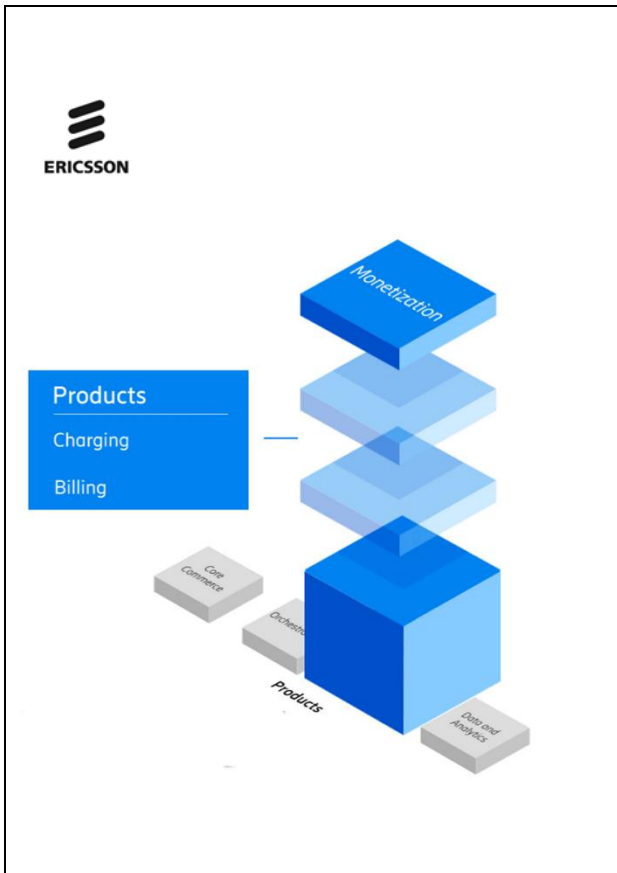


Figure 1 – Ericsson Charging and Billing – Empowering monetization for 5G and beyond.

A Game-Changing Collaboration

At the core of the partnership lies the shared vision of creating an open and horizontal telecom architecture—one designed to empower CSPs with the flexibility to adapt, scale, and thrive in a hypercompetitive environment. The Ericsson Charging and Billing solution is purpose-built for 5G environments, enabling CSPs to unlock new revenue streams while simplifying charging and billing processes.

When integrated with Dell Telecom Infrastructure Blocks for Red Hat, a flexible and scalable framework optimized for cloud-native deployments, the combined solution addresses critical pain points in telecom operations. Rigorous and continuous validation at Dell Open Telecom Engineering Labs (OTEL) ensures a unified and reliable framework.

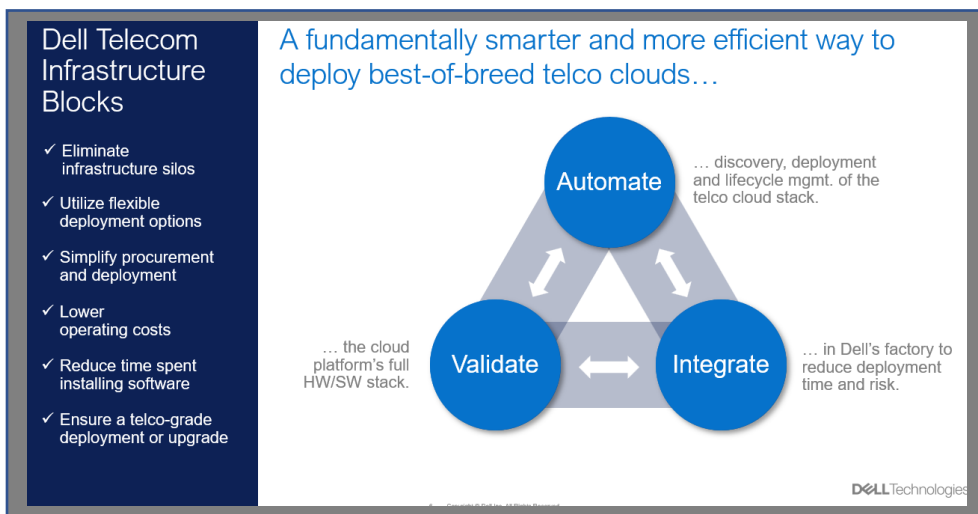


Figure 2 - Dell Telecom Infrastructure Blocks

With tangible benefits...

This cohesive approach simplifies deployment, enhances operational performance, and reduces risks—all essential for CSPs looking to modernize their networks and achieve faster time-to-value.

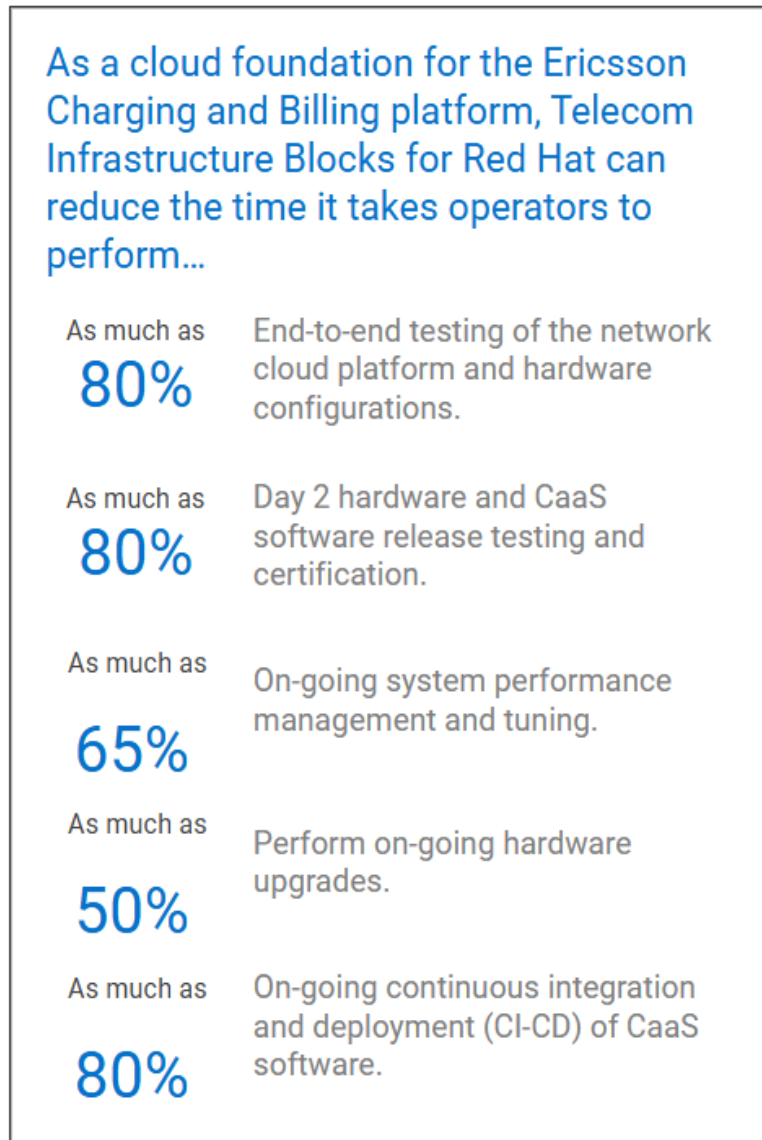


Figure 3: Dell Telecom Infrastructure Blocks benefits.

Ericsson Charging and Billing solution.

Enabling the Future of Monetization:

Ericsson Charging and Billing is a cutting-edge, cloud-native platform designed to handle the unprecedented complexity of 5G service monetization. Traditional billing systems are no match for the dynamic, usage-based pricing models crucial to 5G success. Ericsson Charging and Billing solution bridges this gap by providing real-time service monetization that is scalable, adaptable, and future proof. The integration with Dell Telecom Infrastructure Blocks for Red Hat bolsters its capabilities even further. Dell's Infrastructure Blocks are flexible, pre-configured cloud-native stacks optimized for telecom workloads. These blocks leverage Red Hat OpenShift, ensuring seamless connectivity, reliability, and enterprise-grade performance.

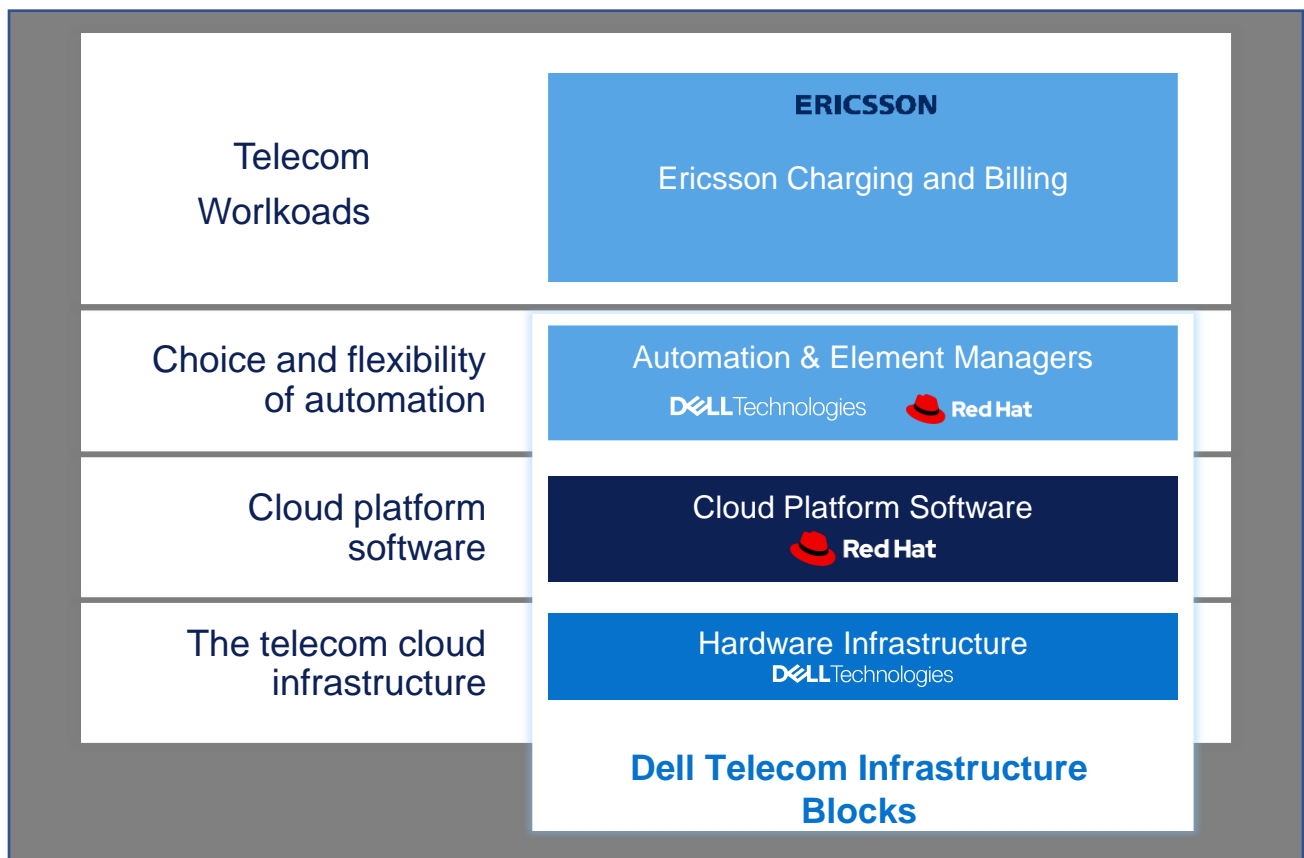


Figure 4 – Ericsson Charging and Billing on Dell Telecom Infrastructure Blocks for Red Hat.

Benefits of Ericsson Charging and Billing on Dell Telecom Infrastructure Blocks (DTIB):

The Ericsson and Dell collaboration delivers unique advantages that empower CSPs to modernize their infrastructure and capitalize on the digital economy.

1. Operational Agility

CSPs can rapidly scale operations to match demand fluctuations, introducing new services in real time while minimizing latency and disruptions. Flexible, horizontal cloud architectures allow businesses to pivot quickly and securely.

2. Scalability and Performance

With Dell Infrastructure Blocks', CSPs can add capacity incrementally, reducing deployment complexity and ensuring predictable scalability. This ensures the infrastructure can grow alongside service adoption and traffic volumes.

3. Faster Monetization of 5G Services

Ericsson Charging and Billing solution empowers CSPs to monetize emerging 5G use cases, whether it's augmented reality, IoT, or ultra-high-speed data services. The platform supports innovative pricing models, enabling CSPs to unlock new revenue streams quickly.

4. Risk Mitigation

The pre-validated engineering and continuous life cycle management provided by Dell Open Telecom Ecosystem Lab. (OTEL) significantly reduce the risks associated with complex telecom network deployments.

5. Cost Optimization

From reducing excess capacity in traditional siloed architectures to enabling efficient cloud operations, the combined solution optimizes infrastructure costs while maintaining enterprise-grade performance.

The cumulative impact of these benefits positions CSPs not just to compete, but to lead the global push toward 5G-driven innovation.

This integration offers CSPs an unparalleled combination of flexibility and simplicity. Pre-tested blueprints and lifecycle management validation provide CSPs the confidence to deploy and scale their charging and billing platforms without disrupting operations.

Comprehensive Services to Support Success:

Dell Technologies provides essential Services and Support to enhance the deployment and operation of the Ericsson Charging and Billing solution, covering every phase from pre-deployment to steady state operations.

Day 0 – Pre-deployment

Dell offers customized design services to build network architectures tailored to customer environments using Telecom Infrastructure Blocks, ensuring scalability and performance. To reduce risks, Dell's Open Telecom Ecosystem Lab (OTEL) and Dell Service Delivery teams performs interoperability validation, leveraging DevOps tools for seamless testing either in dedicated labs or on-site.

Day 1 – Deployment

For deployment, Dell provides onsite implementation services to rack and integrate Telco Cloud Infrastructure, both Hardware and Software, as well as 24x7 remote support for CSP teams. Integration expertise ensures Dell's Infrastructure Automation software connects with OSS, BSS, AI-Ops tools, and third-party infrastructure, simplifying operations and streamlining CI/CD processes.

Day 2 – Steady State

Once live, Dell's carrier-grade support offers 24x7 assistance, predictive failure detection, and rapid issue resolution with a 4-hour SLA for critical recoveries. Customers are supported by dedicated telecom-trained specialists that provide unified support for entire DTIB solution stack, ensuring operational continuity and long-term performance.

Dell's services help CSPs deploy faster, mitigate risks, and optimize operations, empowering them to lead in the competitive 5G era."

A Vision for Telecom Innovation

The strategic collaboration between Ericsson and Dell Technologies isn't merely a product offering; it's a bold commitment to the future of telecom innovation. Vertical silos can no longer meet the flexibility and scale required by today's digital-first economy. By introducing a horizontal cloud architecture, this solution represents a paradigm shift for CSPs, enabling them to transform their operations while fueling growth.

The collaboration also serves as a compelling call to action for CSPs to reconsider their existing architectures and explore solutions designed for speed, agility, and innovation.

Final Thoughts

For CSPs set on leading, not following, the Ericsson Charging and Billing integrated with Dell Infrastructure Blocks offers a blueprint for success. Whether it's faster monetization of new services, simplifying digital transformation, or ensuring long-term operational reliability, this collaboration provides the technological foundation to achieve it all.

Are you ready to redefine your telecom potential? Contact Dell Technologies today to learn more about adopting this revolutionary solution and future-proofing your business.

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