Dell Telecom Infrastructure Blocks Engineered for Nokia Autonomous Networks and Core Enterprise Solutions
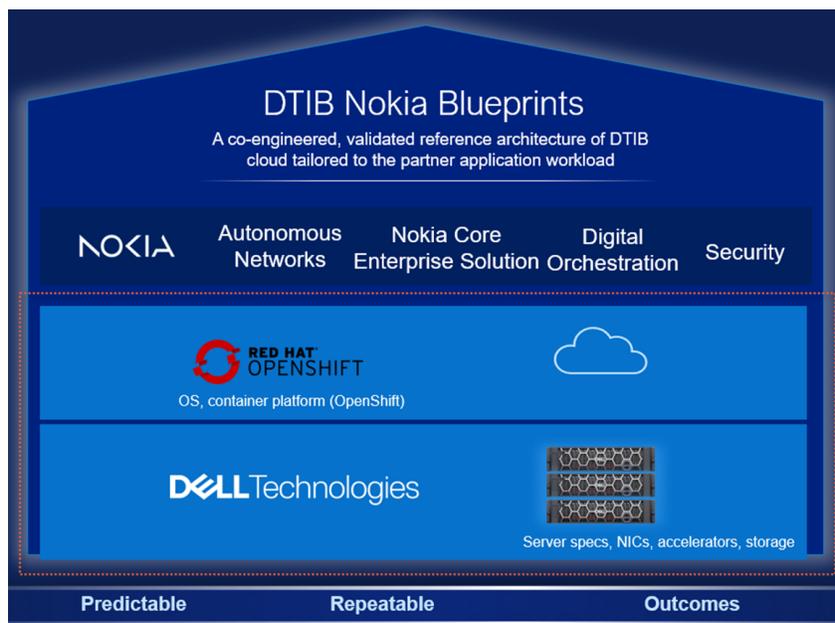
Co-engineered with Nokia to accelerate Autonomous Networks and Nokia Core Enterprise Solutions deployment, reduce risk, and deliver lifecycle automation in a compact, cloud-native footprint.

Fast implementation and support model
Optimized for network elements
Operational agility
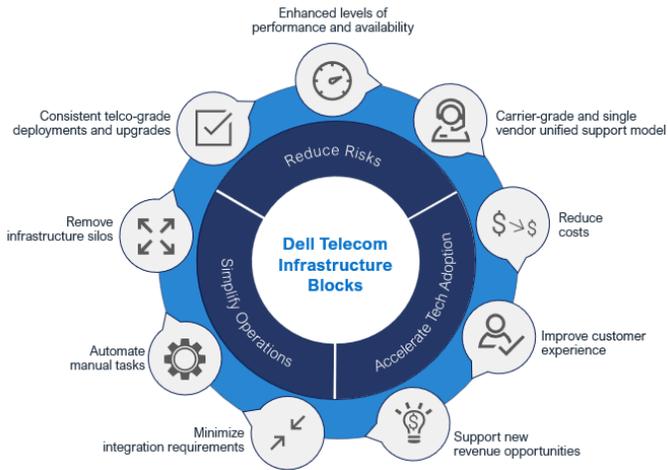Quantified savings over five years

DTIB RH for Nokia provides a fast, low-risk path to Autonomous Networks. The solution features factory-integrated cloud stacks, pre-validation with Nokia workloads, and months-to-weeks time-to-market acceleration. Continuous validation, and carrier-grade SLAs ensure reduced risk and joint support. Optimized for specific network elements, the design includes T-shirt sizing, small-footprint, low power, and readiness to deploy. Operational agility is delivered through zero-touch provisioning, Day 0–Day 2 automation, drift detection, and compliance controls. Continuous lifecycle management includes a seven-year lifecycle, engineered releases, and compatibility matrices.

Dell Telecom Infrastructure Blocks for Nokia

CSPs are rapidly shifting to open, cloud-native architectures to monetize 5G and enable AI-driven operations. Dell and Nokia now offer a compact, one-rack cloud solution optimized for Autonomous Networks, Nokia Core Enterprise Solutions, orchestration, and security workloads. Persistent barriers include multivendor integration and lengthy validation cycles, which slow time to value. DTIB RH for Nokia delivers a pre-integrated, validated infrastructure blueprint that aligns to Nokia's workload sizing. Operators benefit from faster time to market, lower risk, and predictable operations through end-to-end automation, continuous validation, and unified support.

Compact, AI-ready telco cloud

Dell Telecom Infrastructure Blocks for Red Hat (DTIB RH), co-engineered with Nokia, delivers a telco cloud foundation for Autonomous Networks and Nokia Core Enterprise Solutions. Designed to help CSPs accelerate deployment, reduce integration effort, and minimize operational risk, DTIB RH features built-in automation and continuous validation. This enables AI-driven, closed-loop operations, turning infrastructure into a strategic enabler for digital transformation. By leveraging a compact, one-rack solution, CSPs can scale efficiently, optimize for smaller server footprints, and prepare for the demands of 5G and AI-centric operations.

Enhanced levels of performance and availability

Carrier-grade and single vendor unified support model

Consistent telco-grade deployments and upgrades

Reduce costs

Remove infrastructure silos

Dell Telecom Infrastructure Blocks

Reduce Risks

Simplify Operations

Accelerate Tech Adoption

Improve customer experience

Automate manual tasks

Support new revenue opportunities

Minimize integration requirements

DTIB RH for Nokia combines validated Dell PowerEdge blueprints, Red Hat OpenShift, and automation to deliver a compact, AI-ready telco cloud. The co-engineered reference architecture matches Nokia's T-shirt sizing, minimizing footprint and power while ensuring performance and availability. Nokia validates workloads, defines sizing, and provides the autonomous operations stack, while Dell delivers the engineered foundation,, and Cloud Infrastructure related services. Operators gain faster time to value, lower risk, and operational agility with quantified savings.

DTIB RH for Nokia delivers a pre-integrated, validated infrastructure blueprint aligned to Nokia's workload sizing for Autonomous Networks and Core Enterprise Solutions. Operators benefit from a minimum 7-node footprint, scalable to 18 nodes, with roles including DTIAS/Provisioner, SNO Hub, and Worker nodes. High-density Dell PowerSwitch options reduce network complexity, while AI-ready configurations with NVIDIA GPUs and Red Hat OpenShift AI support advanced workloads. Continuous integration, factory validation, and single-call support ensure reliability. The seven-year lifecycle, with three to four engineered releases annually, provides long-term stability. CSPs achieve faster time to value, operational agility, and significant OpEx, CapEx, and TCO savings.

Nokia Autonomous Networks and Core Enterprise Solutions

Design & validate > Deploy & integrate > Steady state support

Dell Telecom Infrastructure Blocks for Red Hat (DTIB RH) for Nokia is a fully engineered, compact telco cloud solution that integrates validated Dell PowerEdge servers, Red Hat OpenShift, and automation software. This co-developed platform is tuned to support Nokia Autonomous Networks and Nokia Core Enterprise Solutions, minimizing integration effort and operational risk. The pre-validated stack accelerates onboarding and deployment. Operators benefit from predictable, repeatable outcomes, unified support, and a scalable, AI-ready infrastructure that meets evolving network demands.

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