Dell Open Telecom Ecosystem Lab Validation Services

Comprehensively test and validate up the entire cloud stack

Essentials

Lab Validation Services provides testing and validation services to bring your solutions to market faster and capitalize on the value of 5G

- Ability to host engagement within dedicated OTEL lab space or customer premises
- Flexibly and agilely test solutions against individualized KPIs
- Ongoing collaboration with lab engineers and ecosystem vendors to enhance solution performance
- Continuous integration, deployment, testing, and validation capabilities

An industry in deep transformation

The open telecom ecosystem brings significant opportunities. Adopting new, innovative solutions has the potential to optimize network performance and create new revenue streams. The option to choose best-of-breed hardware and software presents new ways to scale service delivery at the lowest cost, enabling you to bring new solutions and services to market faster.

However, network disaggregation is causing interoperability and performance challenges. Rigorous testing, performance engineering and optimization are needed to ensure multivendor components interoperate effectively. When not prioritized, it can create significant operational risk, increase costly downtime, and violate compliance standards.

As you're looking to capitalize on new revenue opportunities, your business needs efficient ways to validate these new solutions and develop new service offerings based on them. Validation of the full multivendor stack prior to implementation is critical to maximizing solution performance and enabling a successful rollout. Lab services are key to achieving these goals.

Drive innovation with Dell Open Telecom Ecosystem Lab Validation Services

Dell Open Telecom Ecosystem Lab Validation Services enables you to certify innovative solutions and validate workload performance to capitalize on the value of 5G.

Working collaboratively with a dedicated Open Telecom Ecosystem Lab (OTEL) lab engineer in OTEL or a resident lab engineer on your premises, multivendor designs are tested in a controlled, repeatable setting and workload performance is validated in your pre-production lab. During either engagement, designs are agilely tested and validated against your unique KPIs to benchmark solution efficacy and identify and resolve issues early in the lifecycle. Our lab engineers provide ongoing consultation on design and performance improvements, optimizations and next steps across each phase of extensive performance testing, solution integration, system acceptance testing, and more to enable peak solution interoperability.

The Dell Technologies difference

Dell enables your success in the open telecom ecosystem. Leverage our world class facilities, Telecom experts and DevOps tools, expertise in cloud, IT, and virtualization, plus access to an extensive partner ecosystem to add value across your solutions on a global scale.

The power of OTEL: A secure, open, and collaborative space with the equipment and engineering expertise needed to drive integrated technology solutions. We also provide the ability to extend the value of OTEL into your own lab with hybrid lab connectivity. This enables remote connectivity from your lab to OTEL so you can leverage our advanced tools, expert staff, and automated processes for maximum flexibility and reduced risk with lab investments and engineering resources.

Lab Validation Services empower your business to:

- Enable multivendor solution interoperability
- Validate and ensure optimal solution efficacy
- Gain access to a broad partner ecosystem
- Accelerate time-to-market and reduce operational risk
- Capitalize on new revenue opportunities

Expert lab residents: Utilize a Dell resident lab engineer within the comfort of your own lab, without consuming your internal workforce. Our telecom experts collaborate with your team and network equipment providers to execute the engagement onsite or remote: your choice, same robust outcome. Testing is done in a production-like environment to validate workload performance for Dell's engineered solutions so you can implement with confidence, faster. IDC reinforces the value of resident engineers, with these experts driving measurable outcomes including 25% technology performance improvements, 31% more efficiency in staffing and 18 fewer incidents per month on average.[1]

End-to-end lifecycle services: Lab Validation Services are just the beginning. Dell Services has comprehensive capabilities that span solution lifecycle. This includes the ability to integrate multivendor components in factory to reduce onsite implementation time and decreases risk of failure, fast, efficient field deployment with global scale, end-to-end management and carrier grade support that optimize operations, maximize network uptime, and reduce overall risk.

Tools to innovate at scale: Leverage existing test automation platforms for engagements on prem, or Dell's in-house Telecom DevOps tools to mitigate interoperability challenges by orchestrating and provisioning any workflow required to bring disaggregated solutions together. Engagements in OTEL utilize Dell's Solution Integration Platform (SIP), which conducts continuous integration, deployment, testing, and validation which automate workflows to run on any test environment. The SIP also has the ability to integrate with additional Telecom DevOps tools to automate full stack deployment.

Summary of benefits

Prepare to capitalize on the opportunities of a disaggregated ecosystem. Partner with dedicated, skilled lab engineers to validate innovative solutions and de-risk and accelerate solution and service delivery. Maximize your investments and embrace the open telecom ecosystem with confidence.

[1]Source: IDC e-book: The value of Residency Services: How Resident Engineers are Helping Enterprises Achieve Superior Business Outcomes, November 2022

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