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Heightened, Accelerated Performance at the Tactical Edge

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Today, agencies are facing numerous challenges to securely access, analyze, and disseminate massive amounts of ever-growing data from a broad range of sensors and systems. Agencies struggle to securely curate geographically dispersed data repositories for mission-critical analysis, which hinders their ability to meet both the current and projected government stipulated requirements as well as achieve optimal mission results.

Current methods of moving data to disparate locations are hindered by latency as well as bandwidth limitations... stifling organization's ability to meet their mission requirements and deliver results. To pave a future that heightens the capabilities and utilization of the tactical edge, organizations must first re-think the way they move and access their data.

The Edge Access Solution, powered by Vcinity and Dell Technologies, establishes a connective layer to allow compute engines to access data no matter where it is. This gives organizations options for how they want to use their data (securely and at scale): one, to move the data more efficiently and extremely fast across great distance to where it's needed—or two, to extend the reach of a user or an application to the data wherein it can be computed on without having to be moved first. How does this change an organization's ability to push, receive and analyze information at the tactical edge? With the Edge Access Solution (EAS), data locality is no longer a hurdle to analytics, operations, and innovation.

In this session, expect to learn how organizations like yours—ones that need the right data in the right place at the right time—can mitigate the effects of latency and maximize your available networks (so you use, on average, 90 percent or more of your bandwidth for data on a sustained basis) to enabling you to deliver data, more quickly, more efficiently, and more securely to the people who need it.

Beyond peeking into how Vcinity and Dell Technologies' EAS minimizes the effects of latency and bandwidth limitations, this session will also discuss the benefits of utilizing EAS and how EAS enhances the mission's ability to push, receive, and analyze more information at the tactical edge.

This includes:

- **Extend the Core to the Edge:** By making remote site data accessible with a local-like experience when operating on remote data and begin to work on that data almost instantly.

- Push data to the Edge: By creating a pipeline with optimized bandwidth, you can simultaneously move more critical mission data to the tactical edge at unprecedented speeds.
- Unlock Edge data and bring it to the Core: By bringing data back to the core at unprecedented speeds with predictable, reliable and secure performance, you can begin timely analysis, enabling you to provide sound (and up to date) recommendations to guide intelligent action.
- Enable write caching and write back performance at the Edge: By delivering high quality, high performance write-caching and write-back at the edge over your existing WAN connections, EAS enables you to protect your existing network infrastructure investments and reduce future network costs.
- Create a data ecosystem with instant access to data anywhere, securely: By extending the core and requiring no changes to your existing infrastructure, EAS delivers the benefits of Dell's PowerScale Solution—anywhere your data and operations exist.
- Uphold compliance requirements with no interruptions to workflow: By creating an intelligent data mesh between core and edge sites, you can maximize operational efficiency.

With the Vcinity and Dell Technologies' Edge Access Solution, agencies can now rest assured that their data is safe, reliable, and, most of all, accessible. Now you can get the data you need, at scale, where you need, when you need it—regardless of prior latency limitations or distance. The Edge Access solution gives you the power of the right data, at the right time, to make mission-critical decisions.