



# NTS TACTICAL EDGE SOLUTION

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## Overview

Providing Garrison level services to the tactical edge has always been a challenge. It has not only been difficult to deploy and maintain those networks to a remote location, but the hardware required to do so has been unacceptable. With that in mind, NTS has partnered with Klas and Rubrik to build a Tactical Edge Solution that allows for rapid deployment and enterprise-level services to the warfighter in a single, airline carry-on- size rollaway case.

Today's desired tactical systems require processing nodes with maximum compute power and data-center grade networking for communications between nodes. The Klas Voyager Tactical Data Center (TDC) provides Intel Xeon D processing, 512 GB RAM, 32 physical cores and 10 Gbps networking to provide the best performance possible.

Deploying and maintaining tactical systems is an additional challenge. With Rubrik, Enterprise systems (Domain Services/Exchange/SharePoint/Voice/XMPP Chat, etc.) can be built and maintained in a Garrison environment and deployed to the tactical edge, as-a-service, when needed.

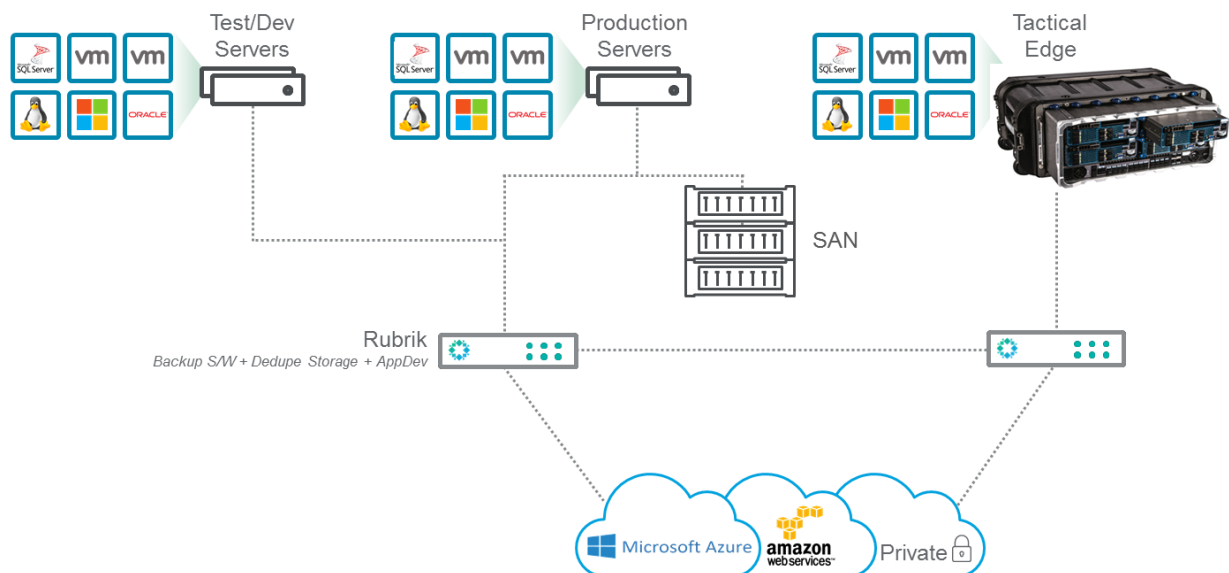
The combination of these two solutions to create the NTS Tactical Edge enhances the systems that support the mission forward while reducing SWaP and ensures the warfighter has the capabilities, when needed, to operate.

## NTS Tactical Edge – Deployed Enterprise Services

- Domain Controller 1
- Domain Controller 2
- Exchange Server 2016 1
- Exchange Server 2016 2
- SharePoint
- Microsoft SCCM (Software Center)
- Redcom Sigma (Call Manager) with 2 Cisco 7960 IP Phones
- Redcom Sigma (XMPP) Chat Client
- XMPP Chat Server
- VMware Horizon (VDI)
- Windows 10 VDI Image
- NFS Server
- Rubrik Core
- Rubrik Edge
- SkyHigh
- VMware VSAN
- VMware NSX



## Complete Data Management



## Klas Voyager TDC

- Four compute blades each with Intel® Xeon® D 8-core processor, 10 Gbps networking and 128 GB RAM ■ 512 GB RAM and 32 physical cores per Voyager TDC system
- 12-port 10 Gbps uncontented switch
- Airline carry-on form factor measuring just 22" x 14" x 9" with built-in UPS
- Removable configuration and storage with Voyager Ignition Key (VIK)
- Certified on VMware Hardware Compatibility List (HCL) to run all VMware solutions to include vSphere, NSX, vSAN and Horizon
- **Xeon D-1541 Processor** – 8 cores, 16 threads, 2.1 GHz clock with turbo to 2.7 GHz, 12 MB cache, GB 2.4 GHz DDR4
- **Storage** – Storage caddy supports 1 or 2 SSDs in 2.5" format, SSD capacities validated: 1.92TB, 3.84TB, Voyager Ignition Key (VIK) removable storage for hypervisor (4 GB to 32 GB)
- **Networking** – 2 x 10 Gbps Ethernet interfaces, 2 x 1 Gbps Ethernet interfaces, 1 x 1 Gbps Ethernet management interface
- **Various** – 2 x USB 3.0 interfaces, RJ-45 console port, VGA graphics support, Web-based IPMI for remote management
- **Mechanical** – 7.4" W x 7.6" D x 2.4" H (188 mm x 194 mm x 61 mm), 4.41 lb / 2 kg each

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*To learn more about NTS Tactical Edge, contact NexTech Solutions, a service-disabled veteran-owned small business information technology systems integrator, value added-reseller and engineering services provider that is at the forefront of the as-a-service movement. Along with its best-of-breed technology partners, NexTech Solutions is focused on systems and network engineering to support application delivery, voice/video web collaboration, cybersecurity and more – all of which is available through easy-to-use as-a-service contracting.*

**Contact: Rich Gallant, 540-419-7045**

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