



Dell EMC Tactical Azure Stack Hub

Go from on-premises to the edge

Overview

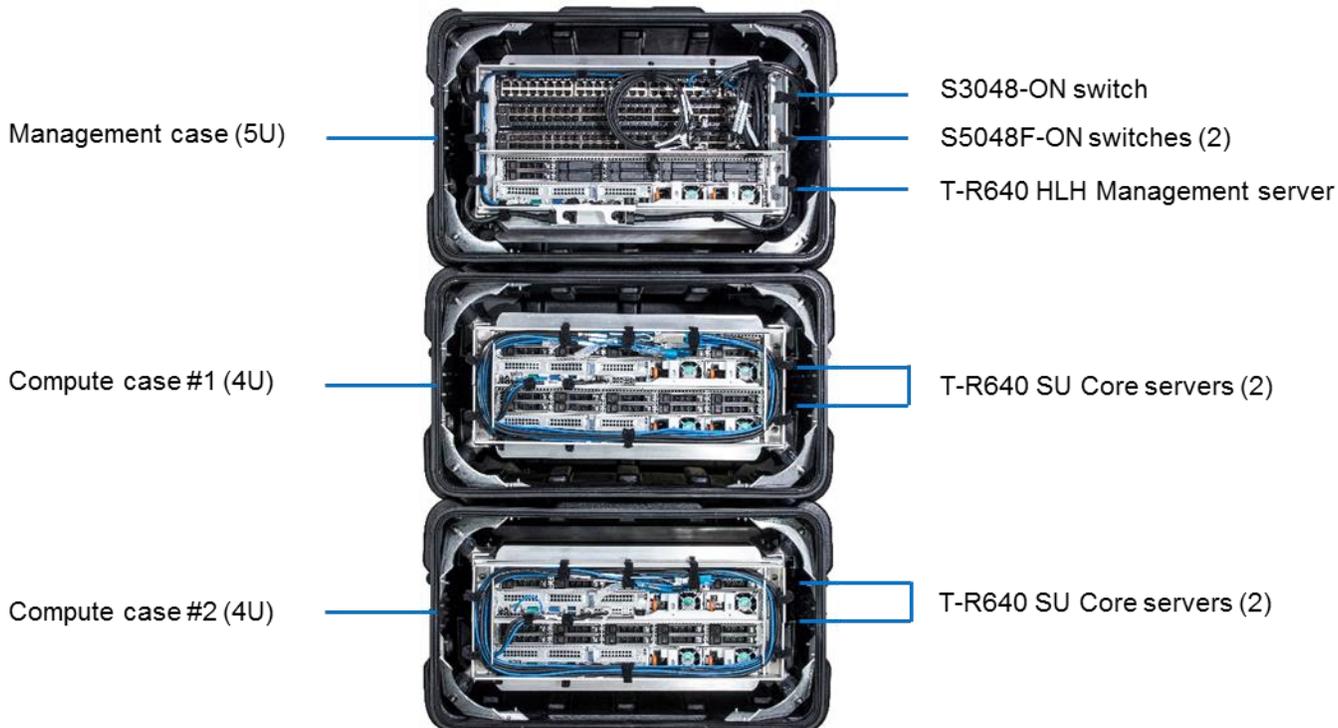
Dell EMC Tactical System for Microsoft Azure Stack Hub (“Tactical Azure Stack Hub”) is the first hybrid cloud platform that is designed to deliver Azure Stack Hub capabilities beyond the data center to tactical, remote and harsh environments. It provides a familiar and consistent experience for deploying and managing Azure-based services in the field and enables a wide range of use cases for government, military, energy and mining applications. Tactical Azure Stack can also be used in forward deployments and mobile environments in marine, aerospace and other demanding conditions, with or without network connectivity.

For cloud operators, developers and tenants, there are no differences between Tactical Azure Stack Hub and Azure Stack Hub deployed on premises. Dell EMC’s industry-exclusive patch and update capabilities, hardware lifecycle management, and our service and support are all consistent, whether you’re running in an established data center or in a harsh, mobile, or forward deployed environment. This solution also incorporates integration with Isilon, CloudLink, and Dell EMC’s Data Protection portfolio. We’re ready to support you in every stage of your hybrid cloud journey with one call to Dell EMC for service and support of the entire stack.

Developed and fully engineered through our exclusive partnership with Tracewell Systems, Tactical Azure Stack Hub is based on Dell EMC networking switches and PowerEdge servers, and Tracewell’s expertise in ruggedized systems. Its core components are identical to the Dell EMC all-flash Data Center Azure Stack Hub offering and the solution is available in select regions from Dell EMC and authorized partners.

The base configuration consists of the Management case and two Compute cases. The Management case includes the T-R640 hardware management server, two 25GbE top-of-rack switches, and the baseboard management switch. Each Compute case houses two T-R640 scale unit servers and the solution is available in 4-, 8-, 12- and 16-node configurations.

Tactical Azure Stack (rear view)



Compute case (minimum two per configuration)*

- Two Tracewell T-R640 servers (2U each) per case.
- Adapted for tactical use, configuration options are based on Dell EMC PowerEdge R640 All-Flash server configurations*:
 - From 24-core with 384-768 GB memory, and 19.2TB total raw SSD capacity to 48-core with 768 GB memory 38.40TB total raw SSD capacity.
- Scale units can be added up to the limits of Azure Stack.
- Height: 4U, 15.0"
Width: 26.0"
Depth: Operating (transit covers removed): 24.0"
Depth: Transporting (transit covers installed): 31.4"
- Weight: 116 lbs. each (including servers)

Management case (one per configuration)*

- One Tracewell T-R640 HLH Management server (2U), one Dell EMC S3048-ON management switch (1U) and two S5048-ON top-of-rack switches (1U each)
- Tracewell T-R640 HLH Management server based on Dell EMC PowerEdge R640 All-Flash server adapted for tactical use:
 - 1x Intel 6130 16-core processor, 96 GB memory, 3.84 TB total raw SSD capacity
- Height: 5U, 19.8"
Width: 26.0"
Depth: Operating (transit covers removed): 24.0"
Depth: Transporting (transit covers installed): 31.4"
- Weight: 146 lbs. each (including server and switches)

For more information about our solutions for Microsoft Azure Stack Hub and Tactical Azure Stack Hub, follow [Dell EMC Integrated System for Microsoft Azure Stack Hub](#) for more information and contact your Dell EMC account representative.

* Specifications are subject to change.