TACTICAL CLOUD FOR MICROSOFT AZURE STACK
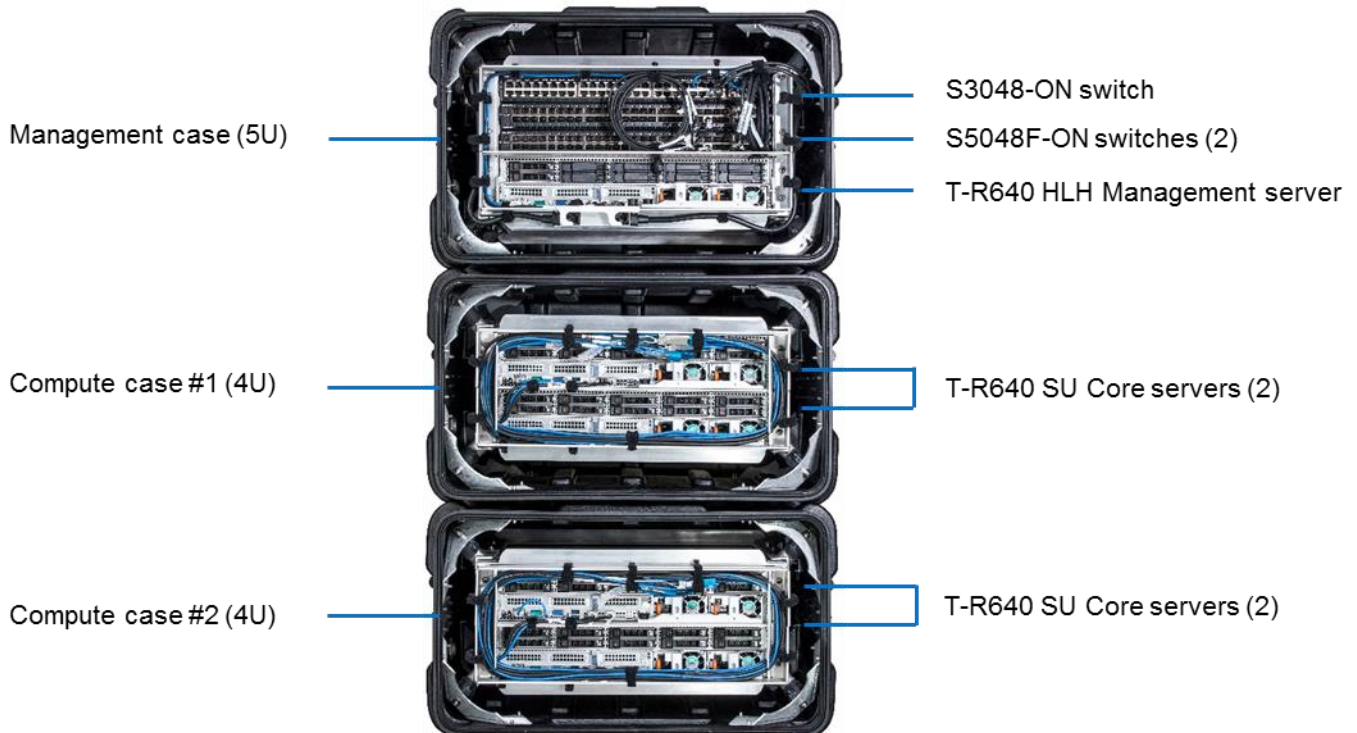
Go from on-premises to the edge

Overview

Dell EMC Tactical Cloud for Microsoft Azure Stack ("Tactical Azure Stack") is the first hybrid cloud platform that is designed to deliver Azure Stack 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.

For cloud operators, developers and tenants, there are no differences between Tactical Azure Stack and Azure Stack deployed on premises. Dell EMC's industry-exclusive firmware update automation and our services 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 incorporates unique Dell EMC features including automated patch and update capabilities, PowerEdge hardware management, and integration with Isilon, CloudLink, and Pivotal Cloud Foundry. We're also 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 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 offering and the solution is available in the United States from Dell EMC and select 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)

Management case (5U) →

S3048-ON switch
S5048F-ON switches (2)
T-R640 HLH Management server

Compute case #1 (4U) →

T-R640 SU Core servers (2)

Compute case #2 (4U) →

T-R640 SU Core servers (2)

Compute case (minimum two per configuration)*

- Two Tracewell T-R640 servers (2U each) per case. Based on Dell EMC PowerEdge R640 All-Flash server adapted for tactical use. Scale units can be added up to the limits of Azure Stack.

- Two configuration options for Compute servers

    - Low: 2x Intel 5118 12-core processors, 384 GB memory, 19.2TB total raw SSD capacity

    - High: 2x Intel 6130 16-core processors, 768 GB memory, 38.4TB total raw SSD capacity

- 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 and Tactical Azure Stack, follow Dell EMC Cloud for Microsoft Azure Stack for more information and contact your Dell EMC account representative.

 * Specifications are not final and subject to change prior to availability in Q1 2019.