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3:30 pm - 3:50 pm

Agile Combat Support -- Deploying Open and Secure software to the Edge

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Abstract:

Data is the lifeblood of the kill chain. Getting data from the tactical edge to command and control elements, securely and resiliently, is a linchpin for battlefield success. Iron Bow, Pacstar, and Red Hat recently upgraded Agile Combat Platform (ACP) edge kits to use Red Hat Enterprise Linux (RHEL).   The ACP is a complex set of communications infrastructure operating on small form factor hardware, providing secure, reliable and resilient communications at the forward deployed battlefield edge.

RHEL is a flexible platform that supports the deployment and management of workloads in small resource-constrained devices in challenging field locations, such as edge kits. RHEL delivers a DoD-ready software distribution open and secure solutions that enhance security, ensuring the protection of sensitive information. Its scalability adapts to changing demands, optimizing resource utilization. This tool empowers the U.S. Air Force to efficiently extend computing capabilities to remote locations, ultimately strengthening mission success and readiness. This enterprise application platform provides an edge-optimized operating system built from RHEL and Red Hat Ansible® Automation Platform for consistent Day 1 and Day 2 management of hundreds to thousands of sites and devices pulling data from the battlefield. Red Hat automation capabilities enable teams to sustain and maintain software patches and updates for mission workloads at the edge- both disconnected and connected - keeping systems protected anywhere.