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2:40 PM - 3:00 PM

Mission Edge Data – A Realized Solution for Flightline and Beyond

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Abstract:

Air superiority is critical in driving missions success for the U.S. Armed Forces through unrelenting force, as well as unparalleled intelligence gathering. The challenges faced with data gathering is how to effectively get the materials off the combat aircraft and processed in a timely manner.

In this session Dell will discuss how they developed a solution that provides edge processing of F-35 data (via the RAPIDS edge solution). The solution allows for data to be globally accessible by Crowd-Sourced Flight Data enterprise architecture, which is now being cloud enabled and enhanced for real-time streaming data analytics. Moreover, it's a platform by which data is optimally managed & governed for AI and big data analytics. The solution provides aircrew and analysts the prompt access to data to support sortie debrief, tailored "shot sheets" and view of cockpit video displays. The data also supports tactical intelligence activities for electronic warfare (EW) signals exploitation and rapid reprogramming efforts under the umbrella of Electromagnetic Battle Management (EMBM). It has transformed the data lifecycle process, shaving hours—even days—over the legacy baseline. Codenamed CHEETAS-SAFARI, the system is being proliferated across many DoD platforms including B-52, ICBM, Hypersonic missiles and the F-22.