Wednesday, August 16, 2023

10:30 AM – 10:50 AM

Tactical ICAM: Accelerate the Hybrid Cloud to the Edge with Identity-on-the-Move

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The speed of change in the joint contested environment is moving at a breakneck rate. With the introduction of multi-domain and AI assets along with traditional mission systems, this creates the impetus to drive the cloud resources to tactical edge faster than ever before. With this speed come new risk challenges. The hybrid cloud assets bring to the commander, leader and soldier definitive options to mediate this risk operating at the tactical edge and meet the mission needs with success.

Key to success of hybrid cloud delivery is not just an identity solution in the form of ICAM but more specifically an ICAM-on-the-move capability that can meet the needs at the tactical edge. Fundamental to the ICAM solution operating at the edge is the ability to rapidly onboard and offboard digital assets using least privilege access to attributes to enable the hybrid cloud resources to operate at the edge. As part of this integrated capability, the ICAM-on-the-move enables rapid and secure zero-trust access to digital assets at the edge while minimizing risk to operate at the speed of the mission.

Enabling the hybrid cloud with ICAM-on-the-move addresses key challenges in multi-domain assets at the edge. Some of these challenges include rapid roll-on/shut down of assets, operating in disconnected environments, deploying new ML models to multi-domain assets and removing AI data access when needed for data disposition.

Delivering on these challenges requires a hybrid cloud enabled with ICAM-on-the-move identity capability that is accessible from cloud core to tactical edge.

The ICAM-on-the-move enabled hybrid cloud brings capabilities to the joint theater including:

• Provide access authorization capability across the hybrid cloud to the tactical edge to drive rapid and secure access to resources

• Enable strong zero-trust MFA authentication (including use of certificates) with broad access from the hybrid cloud to local IdP when running disconnected operations

• Provide secure data access authorization for edge AI and data analytics access enabling access to the command post and edge field environment

ICAM-on-the-move enables rapid delivery of hybrid cloud secure access to the edge to support the joint multi-domain mission. The capabilities described here would include details of capabilities, technical architecture and use case scenarios to further enable the success of the mission.