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Speed the Tactical Data Analytics and AI Mission with ZSP Identity Security at the Edge

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Abstract:

The joint multi-domain environment of today brings a new pace of information faster than ever before. This multidomain environment drives a complex data saturation that propels the need for data access capability in cloud resources at the edge. This data at the edge, though has potential for operational advantage, comes with new risk challenges to maintain speed of the mission. These data assets (such as AI/ML outcomes) when harnessed with zero standing privilege (ZSP) identity security brings the field operator the potential to mediate the risk of operating the edge data analytics while leveraging that data for competitive overmatch.

Key to success of harnessing edge data analytics is not just about the data itself but more specifically about engaging the data with ZSP identity cyber protection so that the edge analytics data moves safely to the commander, leader and soldier at the speed of necessity. Fundamental to providing ZSP identity cyber protection at the edge is the ability to swiftly and securely onboard users and NPEs (non-person entities) using least privilege to hybrid cloud data analytics resources operating at the edge. As part of this capability, the ZSP identity cyber protection enables speedy and secure zero trust access to accelerate data analytics at the edge in way that also survives disconnected scenarios.

Delivering on challenges of data analytics at the edge requires a ZSP identity cyber protection with durable disconnected survivability that is accessible from cloud core to the tactical edge. The ZSP identity security enables edge data analytics brings capabilities to the multi-domain theater including:

• Provide access authorization to data sets, AI hyperparameters and analytics products operating at the tactical edge

• Enable cyber risk remediation through removal of access authorization due to cyber threat or end of mission

• Provide durable ICAM services enabling access to data analytics products and data even in disconnected environments.

Data analytics at the edge using ZSP identity security enables rapid access to hybrid cloud and edge assets to support the multi-domain mission. The capabilities included and described as part of this session include details of the capabilities, durable ICAM architecture and operational use case scenarios to hasten the assurance of success of the mission.