

Thursday, January 30, 2025

10:40 AM – 11:00 AM

Treating Platform as a Product for Resilient Delivery of Software to the Warfighter

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Abstract:

Delivering Platforms as a Service (PaaS) with a "platform as a product" mindset is essential for enabling resilient and scalable software delivery to the Warfighter. This approach prioritizes human centered design (HCD), robust governance, and continuous improvement to ensure platforms meet the dynamic operational needs of defense environments. By treating PaaS as a product, development teams focus on delivering value through intuitive developer interfaces, seamless integrations, and built-in capabilities such as security, compliance, and observability. This fosters a standardized yet adaptable framework for deploying mission-critical software with speed and reliability. Adopting DevSecOps practices within the PaaS ecosystem enhances automation and reduces time-to-delivery while ensuring operational resilience against cyber threats. Additionally, a product-focused strategy encourages feedback-driven iterations, empowering developer teams to align platform capabilities with emerging warfighter demands. Ultimately, treating PaaS as a product drives efficiency, innovation, and mission readiness in delivering software solutions for modern defense operations.