



James B. Fraley

Improving Cloud Security

Cloud Security must address the transformational nature of many distributed networks. Today's cloud environment involves leveraging distributed networks to accomplish work on-demand - wherever and whenever. Transforming and securing cloud connectivity via distributed networks is the new challenge. Digital transformation initiatives fundamentally change the way organizations do business and transact. Often organizations begin with simple cloud application adoption (e.g. Microsoft Office 365), requiring the organization to shift from an internal secure IT environment to an external shared environment. This security shift changes how and where sensitive data is stored. This security shift must employ and adopt new security strategies, policies and technologies. Our hyper-connected global environment requires ongoing secure access and protections regardless of location and network. This session provides attendees with an overview of cloud trends, deployment models, security needs and threats. Cloud security addresses safeguarding data, networks and access by securing connections between cloud-based offerings and users. This session will cover issues such as Governance, Compliance, Access Management and Operations. This session will discuss tools to enforce policies, protect data, secure information and protect transactions as they transit through, store or execute the "cloud".

Biography

Dr. Fraley, Assistant Professor, Chair for Information Assurance in the College of Technology, Wilmington University. Dr. Fraley has over 30 years of experience working as an educator and security practitioner. He has taught at

Wilmington University for over 4 years. He has held such positions are Senior Threat Intelligence Strategist and Global Security solutions supporting the Fortune 100 companies. His commercial experience has been with McAfee, Northrop Grumman, L3 Communications, Dupont and Integic. He has managed and supported some of the largest and most complex cyber security projects for both the private and public sectors including DOD, Intelligence Community (IC), Federal Aviation Administration (FAA) and the City of New York. Dr. Fraley's research focused on advanced detection techniques using machine learning for Polymorphic/Metamorphic malware. He is also a retired US Army Signal officer with over 22 years of service.

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