



Session 11D



Data Center Migration for Ground Systems: Geospatial Clouds

Working Group Preview

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Motivations for this Workshop

- Cloud computing offers the potential for significant economies of scale, improved utilization of servers, more flexible allocation of resources, and workload management
 - Cloud computing entails the dynamic provisioning of processing, storage, and networks in a data center to essentially become a generic hosting environment, prompting the concept of "Data Center Migration" for ground system operators
- How do we apply cloud computing in support of satellite ground systems?
 - Serious challenges concerning security, performance management, portability, interoperability, costing models, lack of standards, etc.
- How do we integrate geospatial standards and tooling with dynamically provisioned resources?
 - Geospatially referenced data are central to many ground systems

