



Altair

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## MLS Training Available Tutorial Wrapup

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# Overview

- Training is critical because the security of the system is based on the ability to properly configure and maintain the systems
  - SCAP profiles will help keep configurations standard and allow for full testing
  - Privileged User Guide (PUG) with scripting will make it easier for privileged users to complete day to day tasks
- In both cases, mundane tasks become much harder to incorrectly execute
- In addition, hands on training is critical for all personnel with privileged access



# Filius/RPI Consulting/CSC

- Filius in coordination with RPI Consulting and CSC who are providing trainers will provide a variety of commercially available courses on a regular basis to support the ongoing training requirement for the MLS user community
  - Filius will be coordinating training courses
  - RPI and CSC will be providing trainers



# Courses

- RHEL MLS Installation, Configuration, and Security Testing (4.5 days)
  - Takes an experienced RHEL administrator through the process of additional installation, the MLS configuration issues including RHEL MLS labeling schema, and lastly through the testing required to achieve certification
  - First three classes have been July, September, and November 2015
  - Expecting another class in early 2016
- Course Topics
  - Single System Images and Cluster Configurations
  - Role Based Access Control (RBAC), Audit configuration, etc.
  - Security testing
  - Application based policy writing



# Courses

- RHEL MLS Configuration Administration (2-3 days TBR)
  - Takes a beginner Linux administrator through the day-to-day operations and functions required to execute after a system is up and running
  - This is a subset of the RHEL MLS Installation, Configuration, and Security Testing Course
  - Classes as requested (minimum 10 persons TBR)
- Course Topics
  - MLS User builds
  - MLS Network interface configuration
  - MLS versions of day-to-day operations



# Courses

- RHEL MLS Security Accreditation and Administration
  - NIST 800-53 relation to ICD 503, ICD 503 controls, and their application to the configuration
  - Hands on Security Administration of the configuration
    - Audit reduction
    - Security relevant actions reserved to Sec Admin
  - First class – estimated at early 2016
- Course Topics
  - ICD 503 process and documentation
  - Security administration hands on familiarization



# Courses

- RHEL MLS Aware PostgreSQL Installation, Configuration, and Use
  - Install, configure, and use the MLS PostgreSQL
  - First class – estimated at early 2016
- Course Topics
  - Installation and configuration of MLS PostgreSQL





# Wrap Up

- The MLS RHEL Ecosystem has been demonstrated and is working with government security certificate
- Scaling is being demonstrated through the LANL effort to approximately 30k cores
- Ongoing efforts will keep the configuration up-to-date
  - Performance tuning
  - Security
  - Applications
  - Training



# Questions?