# Update: Cybersecurity Education & Workforce Development Initiatives

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### Federal Virtual Training Environment FedVTE

Online, on-demand access to ~125K Federal IT Security users!

> 800 hours of role-based training

IPv6 Capable - DoD Definition VTE Player Lecture: IPv6 Transition Strategies IPv6 Transition Options Transition Issues Slide (Single) Create Sticky Note IPv4 to IPv6 Transition: Mechanisms **Dual IP Stack Operating Systems and Applications IP Tunnels Translation Gateways** ate that to IPv4 or IPv4 to IPv6. And that ateway mode falls in line with a few of these things ransition gateway or a transition technology, where we're actually configuring our system to do IPv6, like 6to4 or something of that nature, going out and CERT Software Engineering Institute Carnegie Mellor UNCLASSIFIED

> 75 hands-on virtual labs



Hosting/Help desk:

<u>Department of State - Foreign Service Institute</u>

... and Fully Funded!



Application, content, and instructor support by <u>Carnegie</u>
<u>Mellon University/Software Engineering Institute</u>

# Federal Cybersecurity Training Exercises (FedCTE)

Interactive, Experiential Training Events

- Help close training gaps
- Refresh knowledge and skills
- Disseminate new techniques rapidly



- Foster cross-agency collaboration
- Promote inter-agency sharing of best practices

- Reinforce learning concepts
- Build skills and experience
- Provide safe environment for experimentation





### Secure Software Activities

## **University of Detroit-Mercy:DoD/NSA Research Grant**

- Target Audience: IS/CS/SW Engineering faculty, graduate
   & undergraduate software development courses
- Develop/Disseminate knowledge to ensure the safety and security of U.S. business software

### **Education in Secure Software Summit, Sept-Oct** 2010

- NSF funded
- Organized/Conducted by Dr. Diana Burley/GWU and Dr. Matt Bishop/Univ. of California-Davis

