



VTE: 800 Hours of Role-based On-Demand Training, Coming Soon

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Agenda

What is VTE?

What's in it?

What does it look like?

How do I use it?

What's this about an Enterprise VTE?

What is VTE?

<http://vte.cert.org>

(or Google *VTE* – we're the first link)

VTE is a Web-based online training platform and knowledge library for Information Security, Forensics, and Incident Response material

In use by DoD since 2006

Self-paced, but not CBT

- 20+ on-demand courses
- 800+ hours of captured classroom instruction
- 75+ hands-on labs using VMWare Virtual Machines

What's in VTE? Who's using it?

Course Highlights:

- CompTIA Security+ Prep
- CompTIA Network+ Prep
- CompTIA A+ Prep (Summer 2010)
- (ISC)² CISSP Prep
- Cisco CCNA
- Cisco Security (Summer 2010)
- Certified Ethical Hacker (Summer 2010)
- Introduction to Networking

Lifetime Usage Statistics

- 445,874 hours of training delivered
- That's almost 15,000 person-weeks of training!
- 85,044 Labs delivered
- 36,880 Users

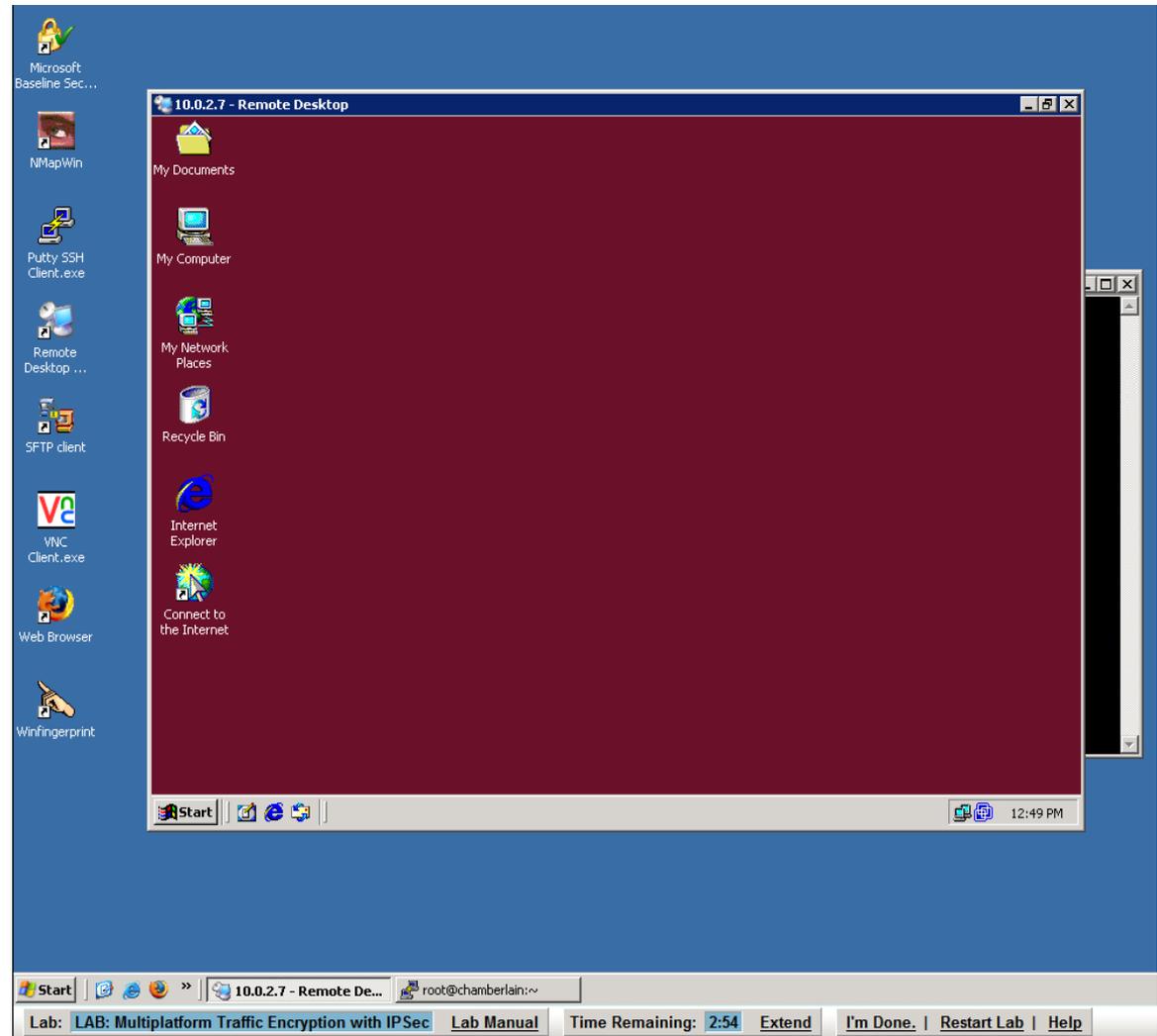
How do I use it? - Video Lecture

- Synchronized video, slide, transcript
- Searchable
- Remembers where you left off
- Linked takeaways (slides, transcript) from the interface
- Online note-taking

The screenshot displays the CERT VTE Player interface. At the top left, it shows 'CERT VTE Player' and 'Lecture: IPv6 Transition Strategies'. Below this, it indicates 'Length: 5 slides (8 minutes)'. A 'Takeaways' tab is active, showing a list of topics including 'IPv6 Capable - DoD Definition'. The main content area shows a slide titled 'IPv4 to IPv6 Transition: Mechanisms' with the subtitle 'Dual IP Stack Operating Systems and Applications'. The slide contains three diagrams: 1) 'Dual IP Stack Operating Systems and Applications' showing two routers connected to the Internet, with arrows indicating 'IPv4 compatible data' (red) and 'IPv6 compatible data' (blue) flow. 2) 'IP Tunnels' showing two routers connected to the Internet, with arrows indicating 'IPv6 compatible data' (orange) and 'IPv4 compatible data' (orange) flow. 3) 'Translation Gateways' showing a gateway connected to two workstations, one labeled 'IPv6 enabled' and the other 'IPv4 only'. The interface also includes a 'Navigation' panel on the right with a list of slides, a 'Video' panel with a video player showing a speaker, and a 'Transcript' panel with a text area and a 'Follow Speaker' checkbox. The bottom of the slide shows logos for CERT, Software Engineering Institute, and Carnegie Mellon, along with the text 'UNCLASSIFIED' and the number '40'.

How do I use it? – Hands-on Labs

- Real networks and computers
- Accessible directly in browser
- Deployed on demand
- Isolated training network
- 75+ Available configurations
 - Firewalls
 - Web
 - Exchange
 - Attack/Defend



What do End-Users Need?

Broadband (>200kbps) Internet connection (for video streaming)

AJAX-capable browser (Microsoft Internet Explorer 6+, Mozilla Firefox 2.0+ for Windows, Firefox for Mac OS X and Linux variants, Google Chrome)

Adobe Flash 9+ browser plug-in for access to lecture videos (Flash 10 recommended)

Java Virtual Machine 1.5+ for access to Lab environments

Adobe Acrobat Reader (for viewing PDF downloads)

Verified on FDCC and DoD systems, networks and firewalls

What's this about an Enterprise VTE?

It's true!

- DHS sponsored
- Hosted by Department of State Foreign Service Institute
- All content and current accounts transitioned
- Estimated launch July 2010

The screenshot shows a web browser window with a dark blue header. In the top right corner, there are links for "Browser Check" and "Log In". The main navigation bar contains links for "Home", "Library", "Training", "About VTE", "Get Access", and "Help". Below the navigation bar, the page title is "Welcome to VTE". The main content area is divided into two sections. On the left, a white box with a blue border contains the text: "Welcome to The Software Engineering Institute's Virtual Training Environment (VTE)! VTE provides high-fidelity e-learning delivered right to your Web browser, which means that VTE combines three unique capabilities:" followed by a bulleted list: "• On-demand lecture in the form of video, audio presentations, and demonstrations" and "• Hands-on lab environments". On the right, there is a "Login" form with a dark blue header. It contains two input fields: "UserName:" and "Password:", each followed by a text box. Below the password field is a "Login" button.

DEMO

Questions?

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VTE Signup

<http://vte.cert.org> (Click *Get Access*)