



CERT

Virtual Training Environment Information Assurance and Forensics Training

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What is VTE?

<https://www.vte.cert.org>

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

The screenshot displays the CERT Virtual Training Environment (VTE) website. The interface is organized into several sections:

- CERT Virtual Training Environment (VTE)**: The main header.
- Mode**: A section with a switch to toggle between training and library modes, accompanied by a "What's the difference?" link and a small image.
- Account Info**: Shows the user is logged in as "jcw@cert.org" and includes a "Log out" button. A note mentions premium accounts and a "lost help" link.
- Help**: Contains links for "Change Password", "Get Help", and "Email VTE Support".
- Available Courses**: A dropdown menu currently showing "Information Assurance Practitioner". A "what are courses?" link is also present.
- Selected Course: Information Assurance Practitioner**: The chosen course is highlighted in red. Below it are two options: "Print Course Progress Report:" with a "Print" button, and "Sign up for an in-person delivery of this class:" with a "Go" button.
- Course Description**: A text box providing details about the course, stating it focuses on hands-on best practices and security device training for system administrators.
- Course Outline: how do I use this?**: A list of course components, each with an icon and status:
 - Information Assurance Practitioner
 - IA Practitioner Course Support
 - DOCUMENT: IA Practitioner Student Guide [IN PROCESS]
 - LINK: CERT IA Practitioner Course Forum [NOT STARTED]
 - Introduction to Survivability
 - Information Security Model [IN PROCESS]
 - Introduction to Survivability [NOT STARTED]
 - QUIZ: Introduction to Survivability [NOT STARTED]
 - Understanding Assets & Risk
 - Understanding Assets & Risk [NOT STARTED]
 - Risk Assessment [NOT STARTED]
 - Risk Management [NOT STARTED]
 - QUIZ: Understanding Assets & Risk [NOT STARTED]
 - Compliance Management

What's in VTE?

2,000+ pages of written material and 200+ hours of training captured from CERT course delivery

- Documents
- Screencasts
- Lectures
- Hands-on labs

Custom training tracks to meet instructional goals

- Grouped by topic
- Includes Quizzes
- Progress tracked and reportable
- Supports 'virtual office hours' with VoIP/Webcam, screen sharing

Using The Library

Use the search options below to dig in to VTE training material.

All Content: Warning! May take several minutes to load

Search:
Enter search terms

What's New:
Show content from the last:

Content Types:
 Documents Demos Lectures Labs

Results

Showing: **Type: All Content** ★ - Denotes Premium Content
What is Premium Content?

Type:	Name:	Last Modified:	Launch:
★	LAB: Analyzing Log Files Using Swatch	2006-02-25	Launch:
	TCP-IP Layered Architecture	2006-02-25	Launch:
	TCP-IP Suite History	2006-02-25	Launch:
	TCP/IP Transport Protocols	2006-02-25	Launch:
	Time Synchronization	2006-02-25	Launch:
	Transport and Tunnel Protocols	2006-02-25	Launch:
	DEMO: Securing Routers	2006-02-25	Launch:
	Tripwire	2006-02-25	Launch:
	DEMO: Sam Spade	2006-02-25	Launch:

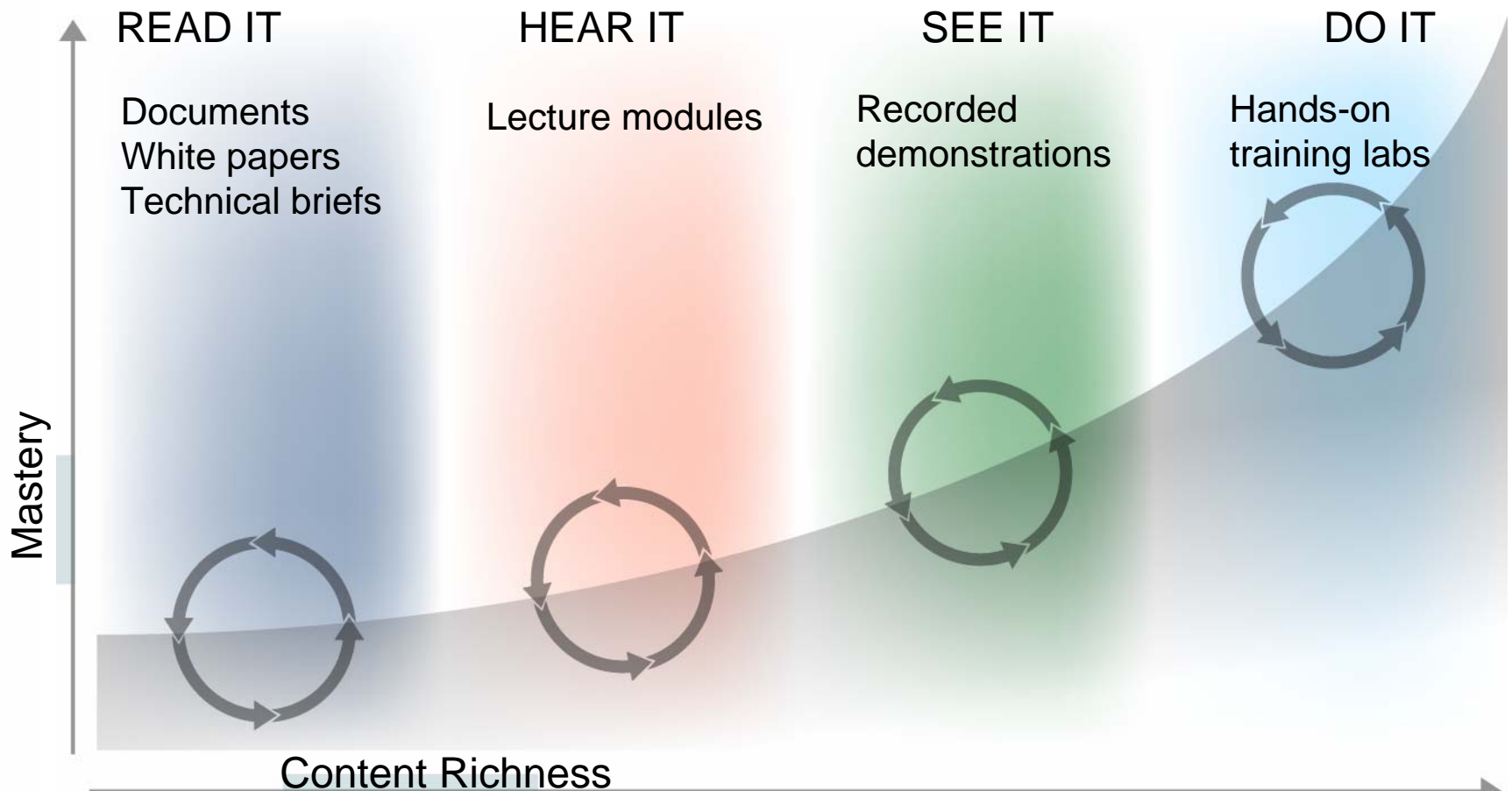
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Course Outline: how do I use this?

- Information Assurance Practitioner
- Survivability and the Information Security Model
 - Introduction to Survivability [COMPLETE]
 - Information Security Model [COMPLETE]
 - QUIZ: Survivability [COMPLETE]
- Understanding Assets and Risk
 - Understanding Assets & Risk [COMPLETE]
 - Risk Assessment [COMPLETE]
 - Risk Management [COMPLETE]
 - QUIZ: Understanding Assets & Risk [COMPLETE]

The VTE 'Power Curve'

"[Students retain] 10 percent of what they read, 26 percent of what they hear, 30 percent of what they see, 50 percent of what they see and hear, 70 percent of what they say, and 90 percent of what they say as they do something." (Stice 1987).



How are we using VTE?

Supporting DoD and Federal agency IA training

- Custom Training tracks from VTE and customer material
- Compliance (FISMA, 8570.1 directive)
- Refresher material for students who take our courses
- Reduce 'onboarding' time

VTE is a major component of our transition strategy for course material

- Topics rather than modules
- Multiple delivery mechanisms
- Example: Cisco Network Security Training

How can you use VTE?

Access to the VTE Library is free (except Labs)

- Link to it
- Supplement your course material

Add hands-on instruction to courses

Collaborate with us to produce material

- Capture lectures for public or private consumption
- Author new screencasts and Labs

What do end-users need?

Web Browser: IE 6.0+ or Mozilla Firefox 1.0+

Screen Resolution: 1024x768+

Broadband Internet Connection (>200kbps)

- Sometimes a problem in deployed environments

For Curriculum/Library/Video: Macromedia Flash 6.0 r65+

For Lab environment:

- Internet Explorer must be configured to allow signed ActiveX or Signed Applets to run (or have control deployed through Active Directory)
- For Firefox, Java VM 1.4.2 or 1.5 must be installed