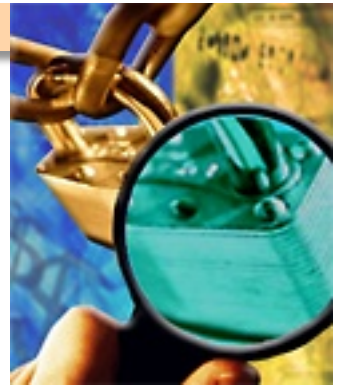

Introduction

Vulnerability Assessment Course

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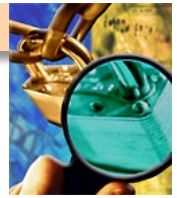

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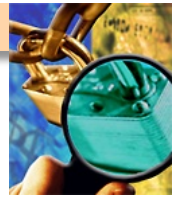
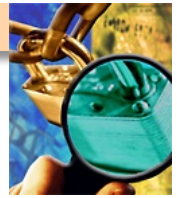
Agenda

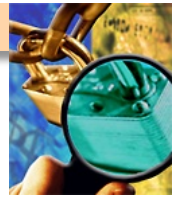


- Administrivia
- Introductions
- Course Description
- Course Goals
- Prerequisites
- Course Outline
- Expectations



Administrivia

- Please silence all cell phones
- Avoid other distractions while in class
- Do not practice what you learn here in any other network without appropriate permissions
- Questions...



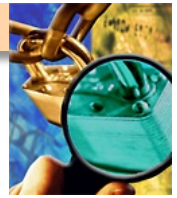
Introductions

- Name
- Relevant Experience
- Expectations

Course Description

- Purpose
  - Overview of Vulnerability Assessment practices
  - Basic tools and techniques used to test technical security controls implemented within an information system or network infrastructure
- Present a standard methodology for conducting vulnerability assessments
- How to identify vulnerabilities in a networked environment; examine the configuration of networking devices, critical services, operating systems, and databases; and test the security controls implemented in a Web-based application
- Course will also discuss the impact of vulnerabilities and recommended methods of mitigation
- Course contains some hands-on exercises

Course Objectives



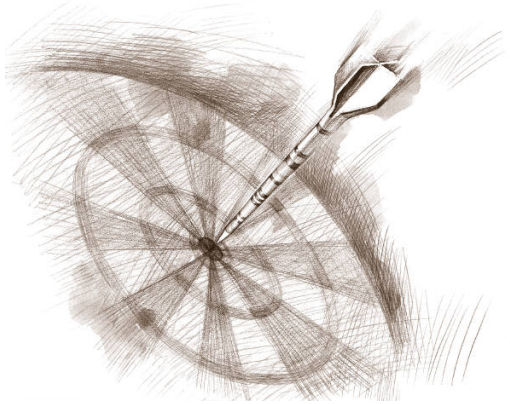
- Learning a general methodology for conducting assessments
- Scanning and mapping network topology
- Identifying listening ports/services on hosts
- Fingerprinting operating systems remotely
- Conducting automated vulnerability scans
- Auditing router, switch, and firewall security
- Auditing UNIX and Windows configuration and security
- Performing Web application and associated database security assessments

Prerequisites

Participants should have...

- **A good understanding of the UNIX operating system**
- **A good understanding of Windows operating systems**
- **A good understanding of networking**
- **A good understanding of computer and/or network security**

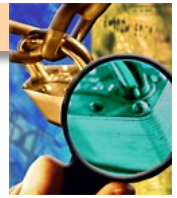
Target Audience



- People who wish to increase their understanding and skills in vulnerability assessment processes and techniques

Day One - Monday

Time	Subject	Instructor
0830-0900	Introduction	
0915-1000	Terms, Methods, Preparations	
1015-1100	Findings	
1100-1200	Lunch	
1200-1400	Tools	
1415-1630	Unix OS Assessment	



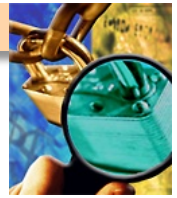
Day Two - Tuesday

Time	Subject	Instructor
0830-1200	Windows OS Assessment	
1200-1300	Lunch	
1300-1630	Network Devices/Services	

Day Three - Wednesday

Time	Subject	Instructor
0830-1200	Applications Assessment	
1200-1300	Lunch	
1300-1500	DB Assessment	
1515-1600	Best Practices	

Expectations



- A three-day course consisting of:
  - Lectures and discussion designed to introduce the conceptual approach to vulnerability assessment
  - Supporting laboratory time to introduce various tools and techniques used to identify common vulnerabilities and mis-configurations
- Successful participation in this course requires the student to complete hands-on exercises
- This is not a hacker's course

Questions