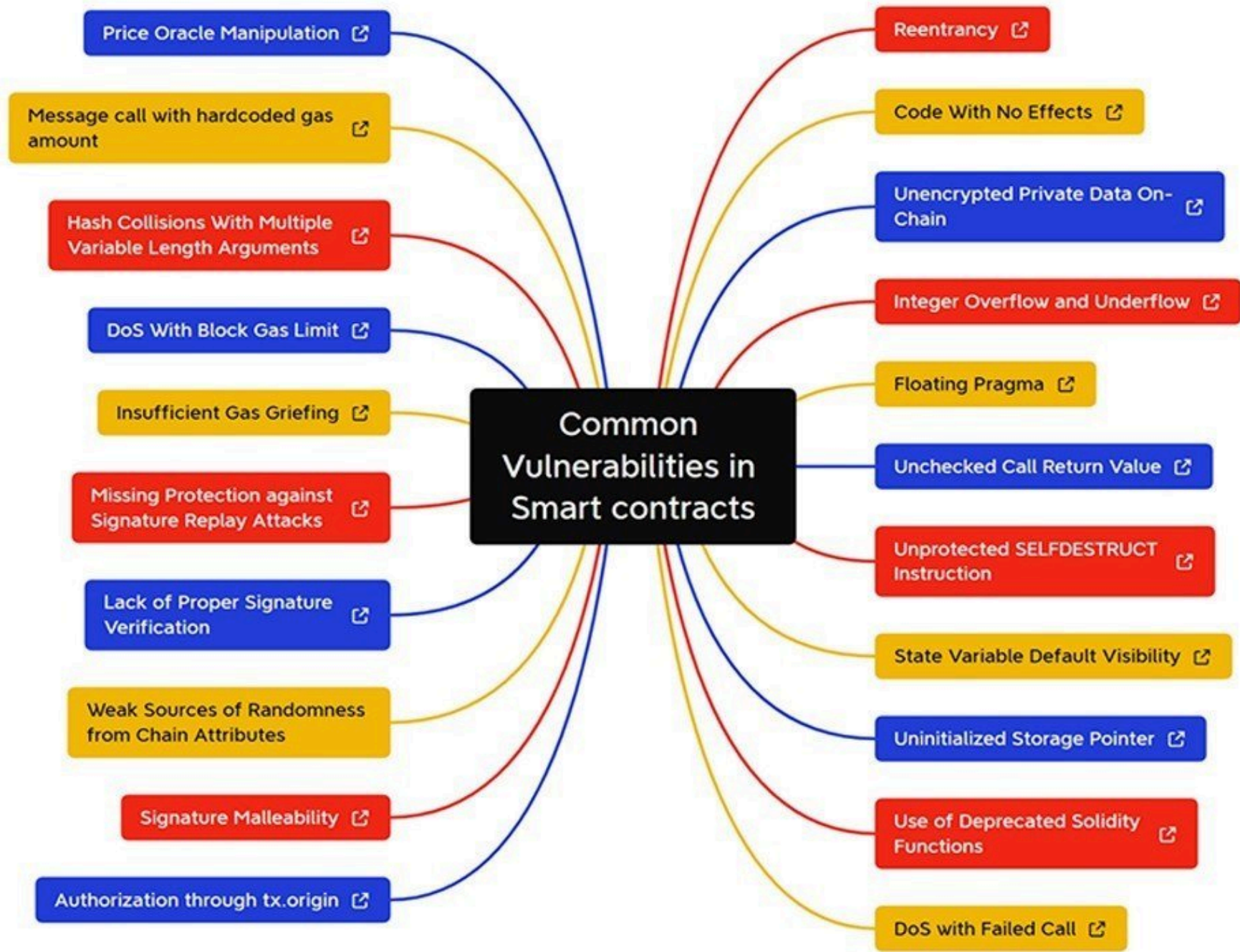


Web Penetration Testing





COURSE OUTLINE

Week 1:

Foundations and Common Vulnerabilities

Day 01 | Introduction & Setup

Day 02 | Reconnaissance Techniques

Day 03 | Information Disclosure

Day 04 | Cross-Site Scripting (XSS)

Day 05 | SQL Injection

Day 06 | Insecure Direct Object References (IDOR)

Day 07 | Review & Practice

COURSE OUTLINE

Week 2:

Advanced Techniques and Less Common Vulnerabilities

Day 08 Server-Side Request Forgery (SSRF)

Day 09 Cross-Site Request Forgery (CSRF)

Day 10 Remote Code Execution (RCE)

Day 11 Broken Access Control

Day 12 API Security

Day 13 Vulnerability Chaining

Day 14 Final Challenge & Review

Day **01**

Week 1: Foundations and Common Vulnerabilities

Introduction & Setup

- Overview of Bug Bounty Programs and Platforms (Bugcrowd, HackerOne)
- Setting up essential tools (Burp Suite, Nmap, Nikto, etc.)
- Creating a testing environment (e.g., vulnerable web apps like DVWA)

Reconnaissance Techniques

- Passive Recon (Google Dorking, Whois, DNS Enumeration)
- Active Recon (Subdomain Enumeration, Port Scanning)
- Hands-on Labs

Day **03**

Information Disclosure

- Understanding Information Disclosure (robots.txt, .git directories)
- Real-world examples and impact
- Practicing with Capture the Flag (CTF) challenges

Day 04

Cross-Site Scripting (XSS)

- Understanding XSS (Reflected, Stored, DOM-based)
- Detecting and exploiting XSS vulnerabilities
- Lab exercises using XSS payloads

Day

05

SQL Injection

- SQL Injection basics (Union-based, Blind, Error-based)
- Exploitation techniques (Bypassing login, extracting data)
- Practicing SQLi on vulnerable applications

Day

06

Insecure Direct Object References (IDOR)

- Understanding IDOR and its impact
- Finding and exploiting IDOR vulnerabilities
- Lab sessions with IDOR scenarios

Day **07**

Review & Practice

- Recap of the week's lessons
- Practice with real-world bug bounty reports
- Q&A session with live examples

Day 08

Week 2: Advanced Techniques and Less Common Vulnerabilities

Server-Side Request Forgery (SSRF)

- Understanding SSRF (internal network scanning, data exfiltration)
- Exploitation techniques
- Lab exercises with SSRF scenarios

Day

09

Cross-Site Request Forgery (CSRF)

- CSRF basics (impact, exploitation)
- Bypassing CSRF protections
- Hands-on CSRF challenges

Day **10**

Remote Code Execution (RCE)

- Understanding RCE (Command injection, Code injection)
- Exploiting RCE vulnerabilities
- Real-world case studies and labs

Day

11

Broken Access Control

- Types of access control issues (Vertical, Horizontal)
- Exploiting broken access controls
- Practice with vulnerable applications

Day **12**

API Security

- Understanding API vulnerabilities (Broken Authentication, Rate Limiting)
- Finding and exploiting API vulnerabilities
- Lab exercises focusing on API flaws



Day **13**

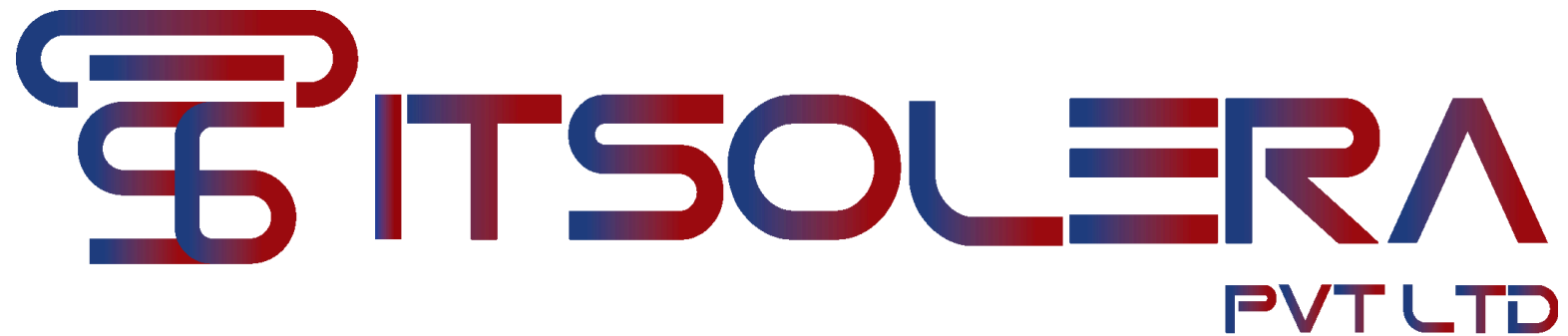
Vulnerability Chaining

- Understanding and identifying vulnerability chains
- Exploiting combined vulnerabilities for greater impact
- Case studies and practical exercises

Day **14**

Final Challenge & Review

- Final CTF challenge covering all topics
- Review of key lessons and takeaways
- Q&A and closing session



Foundations and Common Vulnerabilities

 info@itsolera.com

 +923334471066

 itsolera.com