

Anonymous Pi & Penetration Testing

Technologies

OpenVPN, Dynamic DNS, Kali Linux, 3 layers of TOR, Linux IPTables, Web penetration testing

Outcome

1. You will have hands-on knowledge of Routing traffic to TOR (The Onion Router) – Raspberry Pi to create a router to anonymize all your network traffic through Tor in first stage. You will also learn how to create an OpenVPN server to connect to remote office.
2. In the second stage, you will build a penetration testing Pi using Kali linux to Identify risky modules for security checks, discovering SQL injection, Directory scanning, exploiting permissions and more.

The learned knowledge then can be applicable to any of the QCRI's hosted websites. The project will be focused to build your engineering skills rather carrying out and applying research techniques.

Required skills

Good working knowledge of Linux OS

Little knowledge of scripting programming will be useful

Difficulty Level

Easy to medium

Mentors

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