ENGENSEC
Educating the Next generation experts in Cyber Security

Tempus

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Module 7. Exploitation using client-side attacks

Penetration testing course

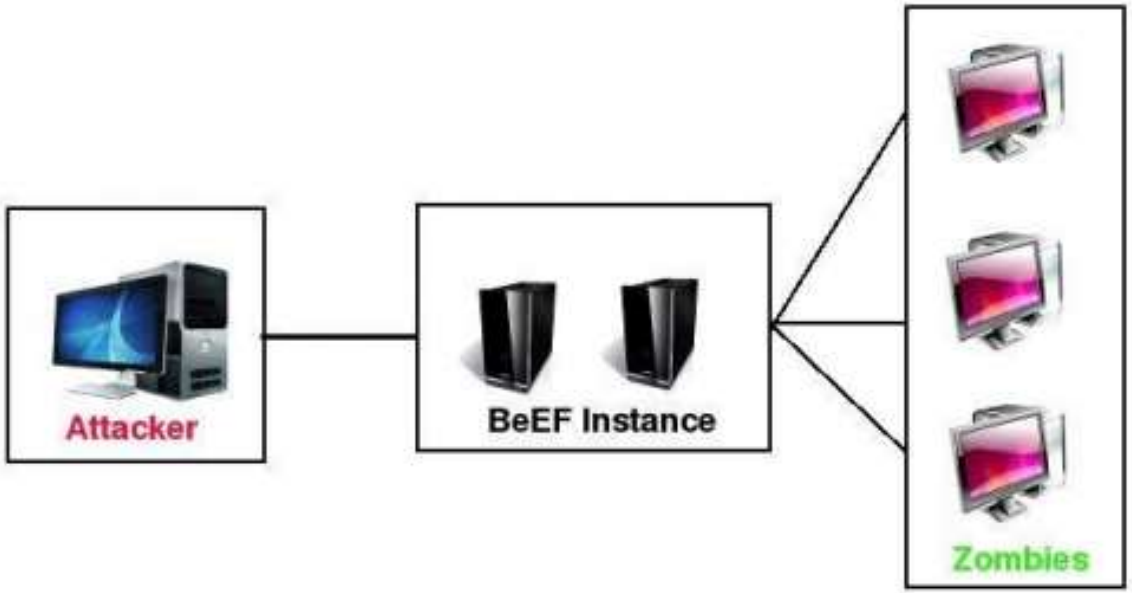
BeEF (The Browser Exploitation Framework)

- It is a penetration testing tool that focuses on the web browser.
- BeEF examines exploitability within the context of the one open door: the web browser.
- BeEF will hook one or more web browsers and use them as beachheads for launching directed command modules and further attacks against the system from within the browser context.

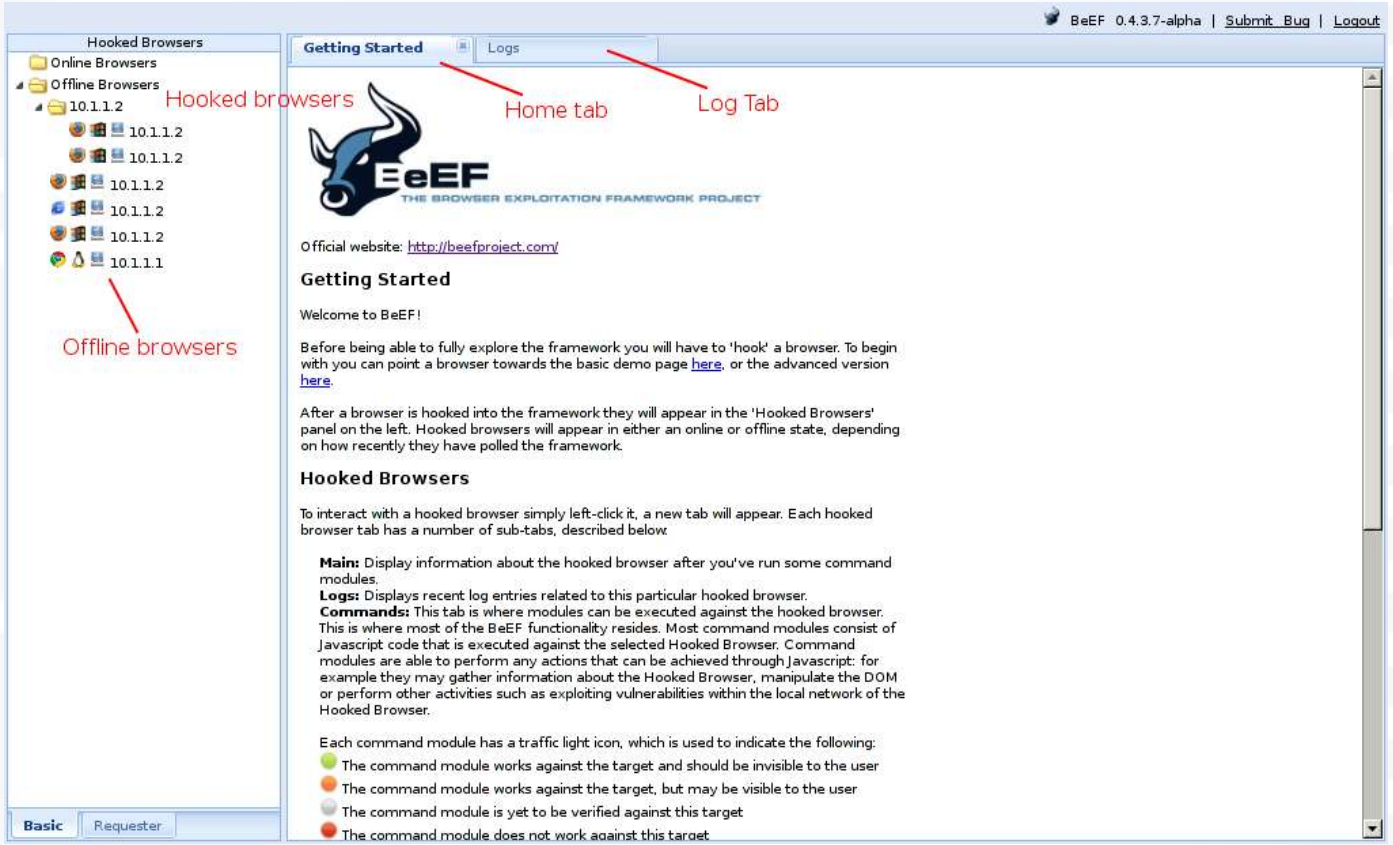
BeEF

- Open source penetration tool
- Tests and exploits Web and Browser-Based vulnerabilities
  - Use client-side attack vectors and leverages XSS
  - Hooks and fingerprints browsers
- BeEF server can issue the following commands:
  - Redirection of browser
  - Changing URLs
  - Dialog box generating on victim computer
  - Uploading of files to victim computer
  - …
- API integration with other tools
  - Integration with Metasploit and others

Attack scheme



BeeF user interface



BeEF commands for browser