

Fedora Security Lab and Test Bench

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- 1 Intro
- 2 Fedora Security Lab
- 3 Fedora Security Lab Test bench
- 4 Services
- 5 Future
- 6 Various

About me

- B. Sc. ME (CS) BUAS
- Affolter Engineering
- Fedora Security Lab / Fedora Security Lab Test bench
- Fedora Package Maintainer (approx. 120 packages)
- Fedora Ambassador
- Alpine Linux and Breakout.js

How to get in touch with me?

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A safe test environment to work on security auditing, forensics, system rescue, and teaching security testing methodologies.

Issues with web applications

- SQL injections
- XSS
- XML entity manipulations
- CSRF
- Session management

Developer

- Education
- Hands-on
- Code review
- Detection

Ways go to...

- Do it yourself
- Virtual machine

Umbrella for various security related projects, but also a product.

-> **Package collection**

Fedora Security Spin

- Live media
- Toolset with around 130 specialized tools
- Xfce Desktop Environment
- customized menu
- installable

Other ways...

- Package group (@security-lab)
- Ansible playbook

counter-part to the Fedora Security Lab

different services, applications, and operating systems

Setup

- minimal Fedora installation
- Ansible for configuration

Types

- single host
- virtualized system
- isolated (tbd)

Web servers

- lighttpd
- droopy
- tomcat
- nginx
- pywebserve
- http-server
- mongoose
- darkhttpd

Other services

- FTP server (vsftpd, pure-ftpd, proftpd)
- File server (samba, nfs)
- Misc services (ssh, telnet, cups, etc.)

Vulnerable web applications

- DVWA
- bWAPP
- SQLI Labs
- SQLol
- XSSeducation



PHP Shells

- AJAX shell
- PHP Shell
- Ani Shell
- WSO Shell
- b374k
- DNA Shell
- Escobar

Future

- Fedora Security Lab
 - Package clean-up
 - Include relevant documentation (e. g. OSSTMM)
 - Better QA
- Fedora Security Lab Test bench
 - LXC
 - vulnerable services
 - virtual network
 - fully working isolated classroom

Resources

- Development website:

<https://fedorahosted.org/security-spin>

- Bug tracker:

<https://fedorahosted.org/security-spin/report>

- Documentation:

<https://fedora-security-lab-test-bench.readthedocs.org>

- FSL Test Bench Source code repository:

<https://github.com/fsl-test-bench>

The last words...

- Download: <https://fedorahosted.org/security-spin>
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<https://fedorahosted.org/security-spin>

