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An authoritative list of awesome devsecops tools with the help from community experiments and contributions.












<http://devsecops.org>[devsecops](#)[threat-intelligence](#)[devops](#)[podcast](#)[81 commits](#)[1 branch](#)[0 releases](#)[7 contributors](#)[CC0-1.0](#)Branch: **master** ▾[New pull request](#)[Find file](#)[Clone or download ▾](#)**slietz** Added Git Secrets from AWS

Latest commit 5ebe6de on Jul 3, 2017

[.gitignore](#)

Initial commit

3 years ago

 CONTRIBUTING.md	initial upload	3 years ago
 LICENSE	Create LICENSE	3 years ago
 README.md	Added Git Secrets from AWS	10 months ago
 dso-dev.png	New persona images	11 months ago
 dso-ops.png	New persona images	11 months ago
 dso-sec.png	New persona images	11 months ago
 p-blueteam.md	Create p-blueteam.md	11 months ago
 p-developer.md	Create p-developer.md	11 months ago
 p-operations.md	Create p-operations.md	11 months ago
 p-redteam.md	Create p-redteam.md	11 months ago
 p-security.md	Create p-security.md	11 months ago

README.md

Awesome DevSecOps

Inspired by the awesome-* trend on GitHub. This is a collection of documents, presentations, videos, training materials, tools, services and general leadership that support the DevSecOps mission. These are the essential building blocks and tidbits that can help you to arrange for a DevSecOps experiment or to help you build out your own DevSecOps program.

This list will not be fully comprehensive and will change as DevSecOps matures. We intend for it to be an awesome list that grows and changes as the community learns and improves how DevSecOps is implemented and adopted. To be included in

this list, the information, tools, vendors or initiative must provide for Free or Open Source capabilities that help with the DevSecOps mission. Links that lead to a commercial aspect are noted with a (P).

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Information

We've been working across the industry to learn more about the different types of DevOps + Security initiatives. This collection has been pulled together and includes: Podcasts, Videos, Presentations, and other Media to help you learn more about DevSecOps, SecDevOps, DevOpsSec, and/or DevOps + Security.

Guidelines

While we're not into the paper-way of doing things, sharing sound advice and good recommendations can make software stronger. We aim to make these guidelines better through code.

- [Security Guide for Web Developers](#)

Presentations

Many talks are now targeting the change of adding Security into the DevOps environment. We've added some of the most notable ones here.

- [Veracode's Defending the Cloud from a Full Stack Hack](#)

Initiatives

There are a variety of initiatives underway to migrate security and compliance into DevOps. We've included links for active projects here:

- [DevSecOps](#)
- [Rugged DevOps](#)
- [AWS Labs](#)
- [DevOps Audit Defense Toolkit](#)

Keeping Informed

We've discovered a treasure trove of mailing lists and newsletters where DevSecOps like us are sharing their skills and insights.

- [Ruby Weekly](#)

Wardley Maps for Security

One way for people to continue to evolve their capabilities and share common understanding is through the development of Wardley Maps. We're collecting this information and providing some good examples here.

- [Introduction to Wardley Maps](#)
- [SOC Value Chain & Delivery Models](#)
- [Check out Figure 6 for Comparisons](#)
- [Security Industry Example](#)
- [DevSecOps Repo for Security Maps](#)

Training

DevSecOps requires an appetite for learning and agility to quickly acquire new skills. We've collected these links to help you learn how to do DevSecOps with us.

Labs

Labs are hands-on learning opportunities to grow your skills in Dev, Sec, and Ops. All skills are useful and need to be grown so that you can have the empathy, knowledge and trade to operate DevSecOps style.

- [Pentester Lab](#)
- [Infoseclabs](#)
- [Vulnhub](#)
- [DevSecOps Bootcamp](#)
- [Exercism](#)
- [Infrastructure Monitoring](#)

Vulnerable Test Targets

It's important to build up knowledge by learning how to break applications left vulnerable by security mistakes. This section contains a list of vulnerable apps that can be deployed to learn what not to do. These same apps can be made safe by remediating the intentional vulnerabilities to learn how to prevent attackers from gaining access to underlying infrastructure or data.

- [Metasploitable](#) (Linux)
- [Mutillidae](#) (PHP)

- [NodeGoat](#) (Node)
- [LambHack](#) (Lambda)
- [RailsGoat](#) (Rails)
- [WebGoatPHP](#) (PHP)
- [WebGoat](#) (Web App)
- [WebGoat.Net](#) (.NET)

Conferences

A body of knowledge for combining DevOps and Security has been delivered via conferences and meetups. This is a short list of the venues that have dedicated a portion of their agenda to it.

- [AWS re:Invent](#)
- [RSA Conference](#)
- [Goto Conference](#)
- [DevSecCon](#)
- [ISACA Ireland](#)
- [DevOps Connect](#)
- [DevOps Days](#)
- [IP Expo](#)

Podcasts

A small collection of DevOps and Security podcasts.

- [Arrested DevOps](#)

- [Social Engineering Podcast](#)
- [Trusted Sec Podcast](#)
- [Defensive Security Podcast](#)
- [Brakeing Down Security Podcast](#)
- [Tenable Security Podcast](#)
- [Down The Security Rabbithole](#)
- [OWASP 24/7](#)
- [Take 1 Security Podcast](#)
- [DevOps Cafe](#)
- [Food Fight Show](#)
- [The Ship Show](#)
- [Risky Business](#)
- [The Secure Developer](#)

Books

Books focussed around DevSecOps, bringing the security focus up front.

- [Holistic Info-Sec for Web Developers](#)

Tools

This collection of tools are useful in establishing a DevSecOps platform. We have divided the tools into several categories that help with the different divisions of DevSecOps.

Dashboards

Visualization is an important element of identifying, sharing and evolving the security information that passes from the beginning of the creative process through to operations.

- [Kibana](#)
- [Grafana](#)

Automation

Automation platforms have an advantage of providing for scripted remediation when security defects are surfaced.

- [StackStorm](#)

Hunting

This list of tools provide the capabilities necessary for finding security anomalies and identifying rules that should be automated and extended to support scale demands.

- [Mirador](#)
- [osquery](#)
- [OSSEC](#)
- [GRR](#)
- [MozDef](#)
- [moloch](#)
- [osxcollector](#)
- [mig](#)

Testing

Testing is an essential element of a DevSecOps program because it helps to prepare teams for Rugged operations and to determine security defects before they can be exploited.

- [Gauntlt](#)
- [Chef Inspec](#)
- [Snyk](#)
- [Node Security Platform](#)
- [npm-outdated](#)
- [npm-check](#)
- [David](#)
- [RetireJS](#)
- [Hakiri](#)
- [Brakeman](#)
- [OWASP ZAP](#)
- [OSS Fuzz](#)
- [IronWASP](#)
- [RIPS](#)
- [Infer](#)
- [OWASP OWTF](#)
- [Lynis](#)

Alerting

Once you discover something important, response time is critical and essential to the Incident Response required to remediate a security defect. These links include some of the projects that provide for Alerting and Notifications.

- [Elastalert](#)
- [411](#)
- [Alerta](#)

Threat Intelligence

There are many sources for Threat Intelligence in the world. Some of these come from IP Intelligence and others from Malware repositories. This category contains tools that are useful in capturing threat intelligence and collating it.

- [OpenTPX](#)
- [Passive Total](#)
- [Critical Stack](#)
- [IntelMQ Feeds](#)

Attack Modeling

DevSecOps requires a common attack modeling capability that can be done at speed and scale. Thankfully there are efforts underway to create these useful taxonomies that help us operationalize attack modeling and defenses.

- [CAPEC](#)
- [Larry Osterman's Threat Modeling](#)
- [STIX](#)
- [SeaSponge](#)

Secret Management

To support security as code, sensitive credentials and secrets need to be managed, security, maintained and rotated using automation. The projects below provide DevOps teams with some good options for securing sensitive details used in building and deploying full stack software deployments.

- [Vault](#)
- [BlackBox](#)
- [Transcrypt](#)
- [Keybase](#)
- [Git Secrets](#)

Red Team

These are tools that we find helpful during Red Team and War Game exercises. The projects in this section help with reconnaissance, exploit development, and other activities common within the Kill Chain.

- [Hound](#)
- [EyeWitness](#)

Visualization

Making DevSecOps discoveries is already hard enough with all the APIs and Command Line tools. This list provides tools to visualize your work either via flowcharts, graphs or maps.

- [Gephi](#)
- [ShadowBuster](#)

Sharing

A collection of tools to help with sharing knowledge and telling the story.

- [Speaker Deck](#)
- [Gitbook](#)

ChatOps

One of the greatest changes you can make in your organization is boundaryless communications. Setting up ChatOps can enable everyone to come together and solve problems.

- [Gitter](#)
- [Slack](#)
- [HipChat](#)
- [Riot](#)

