

# Making Vulnerability Management Suck Less

# **TTDEFECT**dojo

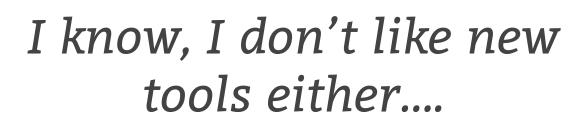




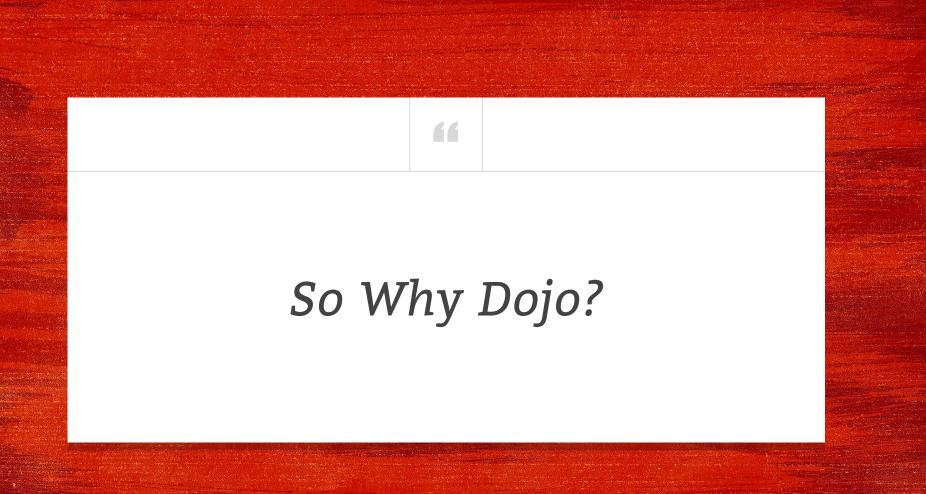
# Hello!

### I'm Greg

Senior Security Engineer @ Pearson DefectDojo Creator Former San Antonio OWASP Chapter Leader And a Bunch of Other Boring Stuff....



"





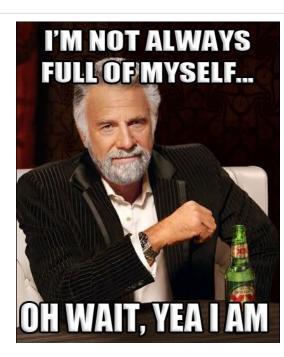
### Vulnerability Management for Me:

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📴 Dradis Framework v2.9.0 🛛 🧕	Summary .		
Uploaded files	Category: Nessus output		
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▲ ₩EB	#[Description]# The remote LDAP server supports search requests with a description	The remote LDAP server supports search requests with a null, or empty, base object. This allows information to be retrieved without any	
■         50787Audp           ■         32777Acp           ■         20005Acp           >         20001Acp           >         20000Acp           ■         20000Acp           >         ■           0000Acp         ■           ■         ■	#Description)# The remote host is running a Lightweight Directory Acces Heater plages OC F46 2012 12:22	prior knowledge of the directory structure. Coupled with a NULL BIND, an anonymous user may be able to query your LDAP server using a tool such as 'LdapMiner'. Note that there are valid reasons to allow queries with a null base. For example, it is required in version 3 of the LDAP protocol to provide access to the root DSA-Specific Entry (DSE), with information about the supported naming context, authentication types, and the like. It also means that legitimate users can find information in the directory without any a priori knowledge of its structure. As such, this finding may be a false-positive.	
<ul> <li>▶ 28024cp</li> <li>≥ 44434cp</li> <li>▶ 218634cp</li> <li>▶ 218634cp</li> <li>▶ 215214cp</li> </ul>		Solution	
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<ul> <li>▷ := 199/tcp</li> <li>▷ := 111/udp</li> <li>▷ := 111/tcp</li> </ul>		Plugin output	
N P 22 den		4	•















- DefectDojo is a tool created by security professionals for security professionals.
- It attempts to streamline the testing process by offering features such as templating, report generation, metrics, and baseline self-service tools.



# DefectDojo

Allowing you to focus on what is important to you: *Hacking* 

# DefectDojo is Well Documented

# **Read** the **Docs**



# Launch Easily

#### Standalone

Traditional deployment is simplified with built in scripts allowing for customization for your specific environment.

#### Dockerized

Love containers? So do we. DefectDojo is easily deployed in a Docker environment and comes ready with its own Dockerfile



• models.py - DB

- views.py process data
- templates html



#### Features That Make Dojo Stand Out

#### Templating



Many findings are common and seen across multiple tests. DefectDojo makes it easy to reuse any or all verbiage associated with these findings.

#### **Report Generation**

From canned reports to custom built ones, Asciidoc or PDF, DefectDojo gives you the options to present findings to allow for greater impact.



#### **Metrics that Matter**



We have the data, you need the trends, DefectDojo aims to provide you with details about engagements, tests, and findings in a visual way to help tell the overall story.

#### Scanner Consolidation



You have the tools: Burp, Nexpose, Appspider, Checkmarx, Nessus, Veracode, Zap; DefectDojo plays nice with them all.

#### **Self-Service Tools**

and Tests.

results. Use the built API to

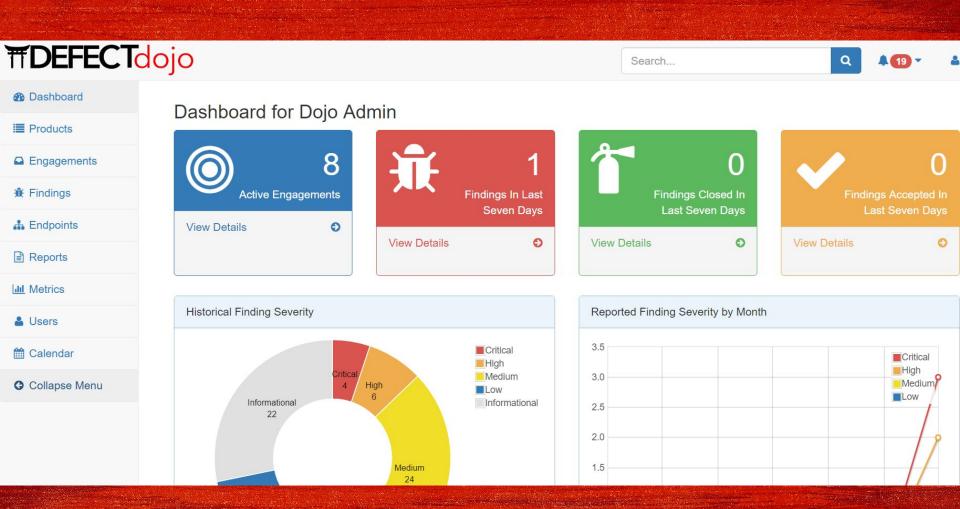
manage Findings, Engagements

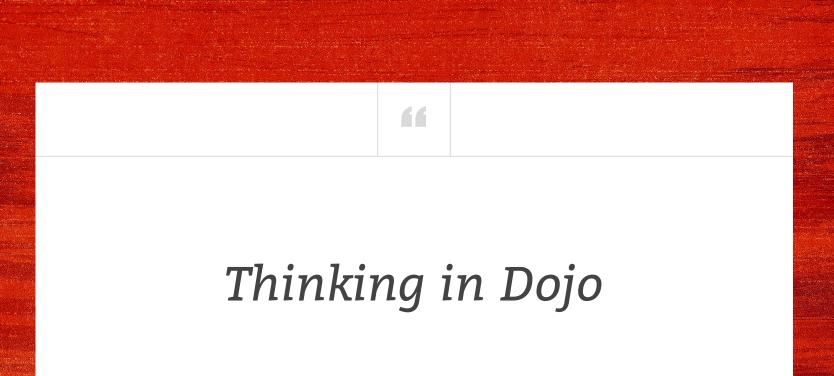
Launch nmap scans, and view

Plugins



DefectDojo is a Django project which allows for easy extensibility via applications both existing and new.







# Thinking in Dojo By Example







#### **Product Type - Organization or Product Line**





# Product Type - Tech Org Product - Application or Product





#### Product Type - Tech Org

- Product Some Application
  - **Engagement Assessment or Mission**





# Product Type - Tech Org Product - Some Application Engagement - Quality PCI Scan Test - Tool Being Used





Product Type - Tech Org
Product - Some Application
Engagement - Quality PCI Scan
Test - Tool Being Used
Finding - What you found





#### Product Type - Tech Org

- Product Some Application
  - Engagement Quality PCI Scan
    - Test Tool Being Used
      - Finding What you found
        - Endpoint Where you found it





### Scanner Consolidation / Integration

## Nessus vulnerability scanner ZAPROXY **VERACODE Nexpose**<sup>®</sup> arachni web application security scanner framework **BURPSUITE**

PROFESSIONAL





# Demo Time!





### Scanner Integration

Home / Active Engagements / IOT / Engagement: New Project (Oct 29, 2016)   Image: Threat Model / Test Strategy / Tests / In Progress   Image: New Project In Progress   Image: Testing Lead: Dojo Admin   Engagement Name: New Project   Target Start Date: Oct. 29, 2016   Target End Date: Oct. 31, 2016     Image: Tests     Image: Tests     Tests     Image: Test Date: Test Date: Tests     Image: Test Date: Test Date: Tests     Image: Test Date: Te	TTDEF	-ECTdojo				Search		٩	<b>▲ 19 - </b>	
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Type Start Date End Date Findings Notes Actions		Tests							≡⊷	
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#### Scanner Integration Gen 2 (In Progress)



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### Templating

#### **TTDEFECT**dojo

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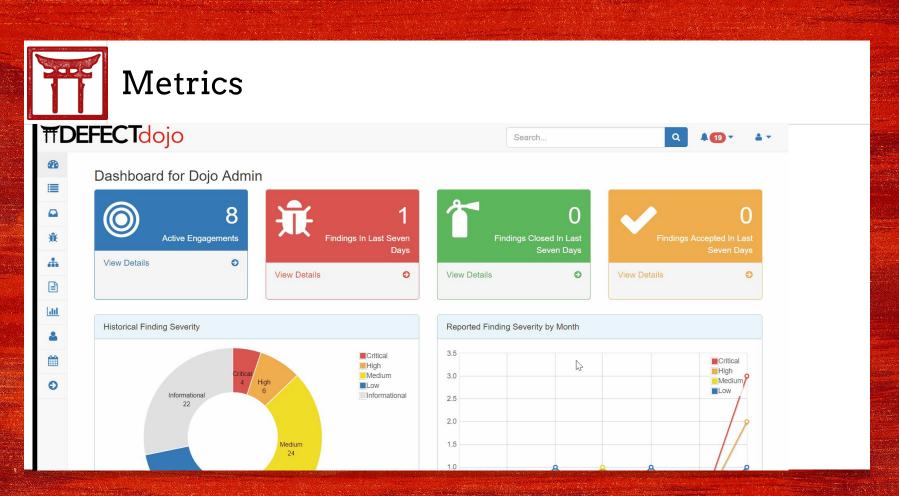


### **Report Generation**

#### **TOEFECT**dojo

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Tests / In Progress			
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Engagement			
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Target End Date. Nov. 9, 2010			
Tests			≡₊
Type Start Date	End Date F	indings Notes A	ctions

Search



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### **Product Metrics**

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Test Product								<u>ш</u> ≡.	
2 affected endpoints 📀									
Details									
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Research and Development	0		0		0				
Description									
I'm testing.									
Active Engagements									
Name	Lead	Start Date	E	nd Date		Actions			



### **Endpoint Analytics**

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Dashboard	Home / All Endpoints				
Products					
Engagements	All Endpoints				
Ĵ∰ Findings	All Endpoints				×
🚠 Endpoints	Endpoint \$	Product +	Number of Open Findings		
Reports	www.google.com	Banana Stand		0	
III Metrics	127.0.0.1	Demo Product		75	
Lusers	localhost	ΙΟΤ		0	
🛗 Calendar	oracle.com	IOT		0	
	www.iot.com	ΙΟΤ		0	
G Collapse Menu	www.owasp.org	ΙΟΤ		2	
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	www.example.com	IOT		1	



### Tagging

#### **TTDEFECT**doio

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La Endpoints	Det He						
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#### Self Service Tools

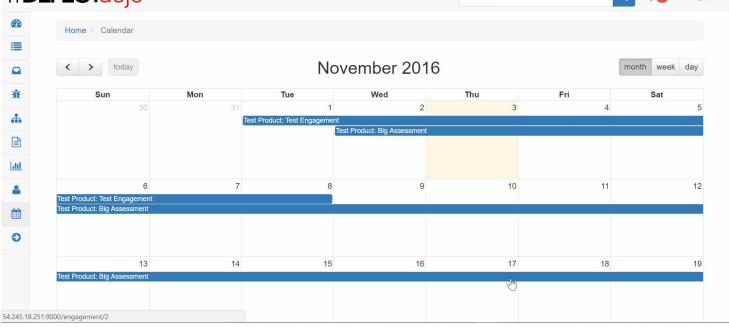
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🚠 Endpoints	Demo Engager	nent	admin	May 29, 2015	May 29, 2015	View Details
Reports						
III Metrics	Scans					•
Lusers	Creator	Date		Frequ	ency Protocol	Actions
🛗 Calendar	admin	admin Sept. 16, 2016, 1:29 a.m.		Weekl	y TCP	View Details
G Collapse Menu						
				v. 1.0.5		•

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#### Team Calendar

#### **TTDEFECT**dojo



Search...

And the second second



#### **Threat Modeling**

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4	Engagement Name: Test	Edit this engagement to add a test strategy.	Upload Model						
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O	Target End Date: Nov. 4, 2016								
	Tests				≡⊷				
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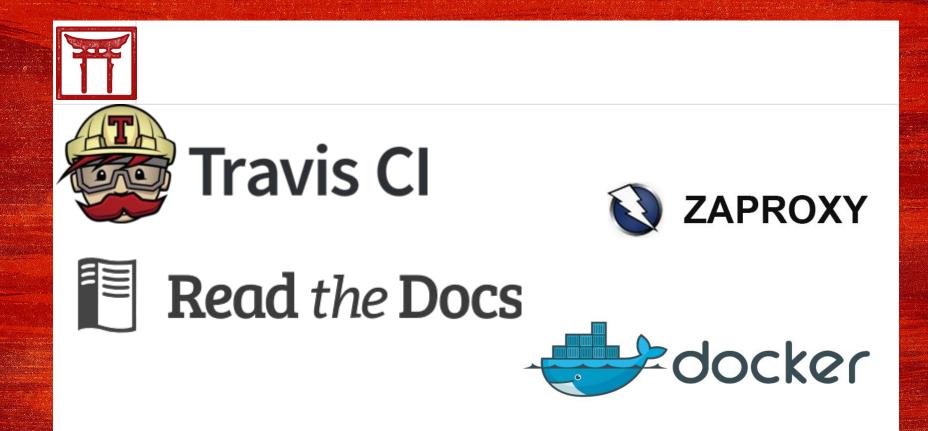


## Test Strategies

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Products								
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Reports								
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🛔 Users	Engagement Name: Test	Edit this engagement to add a test	Download Model Edit					
🛗 Calendar	Engagement 2 Target Start Date: Nov. 3, 2016	strategy.						
G Collapse Menu	Target End Date: Nov. 4, 2016							
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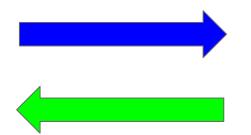


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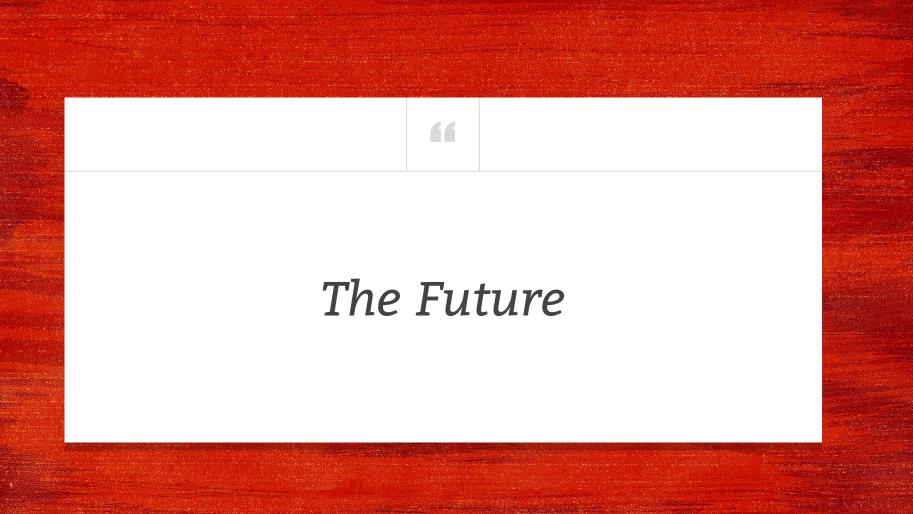






#### DefectDojo





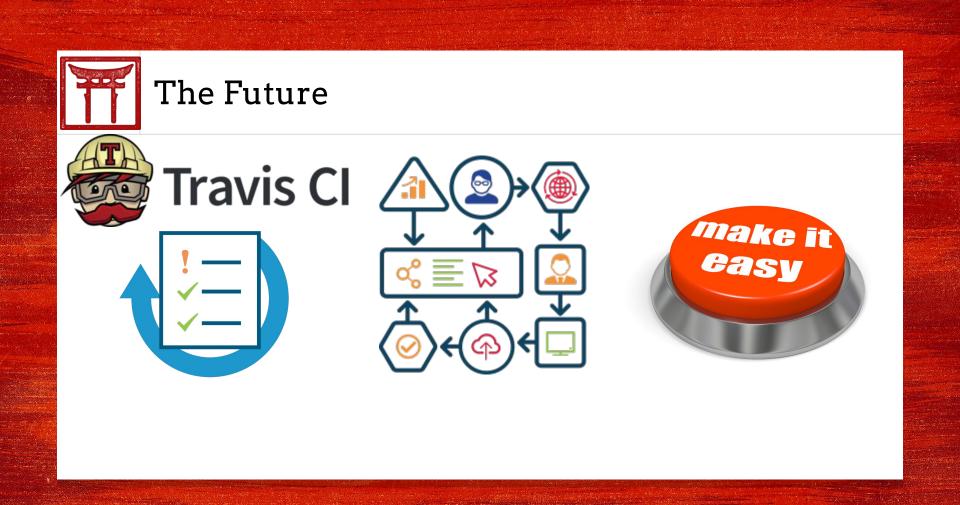














## Contributing





git clone

https://github.com/OWASP/django-DefectDojo

cd django/defectDojo

./setup.bash

python manage.py runserver



 DefectDojo is open source and fully documented:
 Github: <u>https://github.com/OWASP/django-DefectDojo</u>

- Docs: <u>http://defectdojo.readthedocs.io/</u>
- Demo: <u>https://defectdojo.pythonanywhere.com</u>

# Thanks!

## Any questions?

**Contacting Me:** 

greg.anderson@owasp.org