



Introduction (Solution Overview)

The following guide describes how to export a list of detected vulnerabilities from penetration testing reports on ImmuniWeb[®] Platform and import them into BIG-IP[®] Application Security Manager[™].

Use cases:

- ImmuniWeb[®] On-Demand: export all detected vulnerabilities found during web application penetration testing, and import them into your F5 BIG-IP[®]
- ImmuniWeb Continuous: export all detected vulnerabilities found during continuous web application penetration testing, and import them into your F5 BIG-IP[®]
- ImmuniWeb MobileSuite: export all detected vulnerabilities found during mobile application penetration testing, and import them into your F5 BIG-IP[®]

The entire process consists of 3 steps, detailed on the following pages:

1.	How to initially configure the project on ImmuniWeb [®] AI Platform	2
2.	How to export the list of detected vulnerabilities on ImmuniWeb [®] AI Platform	.3
3.	How to import the list of vulnerabilities into F5 BIG-IP® Advanced WAF®)	.4

Step-by-step Guidance

Technical requirements:

- You need F5 BIG-IP[®] version 16.0.x or later
- You need to have and ImmuniWeb account with access to a pentesting report

Please note that demo or PoC reports cannot be used do import vulnerability data into F5 BIG-IP®

- 1. How to initially configure the project on ImmuniWeb® AI Platform
 - Login to ImmuniWeb[®] AI Platform and create new On-Demand, Continuous or MobileSuite assessment project:

Al Platform	🏠 24/7 Support 🔹 Package Selector 🍥 Free Trial Request 🚯 John Doe 🗸
ImmuniWeb [®] Al Platform > Projects Overview	Platform Time (CET): 12 Jan 2023 20:46:43
+ CREATE NEW PROJECT DISCOVERY NEURON 7 ImmuniWeb® Discovery Discovery	ON-DEMAND 3 MOBILESUITE O CONTINUOUS O API & ACCESS
ImmuniWeb® SEA	Display: All Projects (4 of 4) → Timeline: 10/12/2022 (1) → 01/12/2023 (1) √
ImmuniWeb® On-Demand ct] #8175823	Diagram 1: Unpatched vulnerabilities grouped by risk level (CVSSv3.1)
ImmuniWeb [®] (() eport	
ImmuniWeb® Continuous Continuous Continuous Continuous Created: 10 Oct 2022 11:02 (CES Updated: 10 Oct 2023 11:02 (CES Updated: 10 Oct 203 10 Oct 203 10 (CES Updated: 10 Oct 203 10 (CES)	T) ST)
	Critical Risk (CVSSv3.19.0-10.0)

• On the first step of the project creation wizard, click on the "Show Vulnerability Data Export Options" section to expand it. Then select "F5 BIG-IP® ASM WAF" from the list of available Web Application Firewalls:

CREATE NEW PROJECT DISCO	VERY 8 NEURON 5	ON-DEMAND 3		NTINUOUS O API &	ACCESS
	Immu	niWeb [®] On-De	emand		
Configure	2 Confirm	3 Select Package	4 Schedule & Monitor	Download	
Assessment	Ownership	& Pay	Assessment	Report	
Show Adv	vanced Assessment Optio	ins		•	
Vulnerabi	lity Data Export Options			Hide 🔺	
SIEM, AL Genu Genu Genu Asar Azur Bugi	M and Vulnerability Managemer eric XML Output eric JSON Output eric CSV Output a e DevOps illa	ht: Web Applicat None Barracud F5 BIG-IP FortiWeb Imperva R&S*Web	a WAF P ASM WAF o WAF WAF b Application Firewall		

2. How to export the list of detected vulnerabilities on ImmuniWeb® AI Platform

For ImmuniWeb On-Demand or MobileSuite projects, once the assessment is finished, you can download a JSON file with a security policy for BIG-IP[®] Advanced WAF[®] by clicking on the "Export Vulnerability Data" button:

+ CREATE NEW	PROJECT DISCOVERY	8 NEURON 5	ON-DEMA	AND 3 MOBILESUITE O CONTINUOUS O API & ACCESS		
demo.example.com ImmuniWeb [®] On-Demand Express Pro						
	1 Configure Assessment	2 Confirm Ownership	3 Select Packa & Pay	kage Schedule & Monitor Download Report		
	PROJECT DATA [UPDATED: 10	CT 2022]	s 🖷 Support	t		
	The report and vulnerability data was a vulnerability data was	will be automatically deleted	in 99 days:	 Report Deletion Scheduled for: 22 Apr 2023 21:07 (CET) Report Delivered: 10 Oct 2022 11:02 (CET) Assessment Started: 10 Oct 2022 11:02 (CET) 		
	Export Vulnerability Data Manage API Keys Download Invoice [Paid]			 Assessment Date Selected: 10 Oct 2022 11:02 (CET) Payment Received: 10 Oct 2022 11:02 (CET) Ownership Confirmed: 10 Oct 2022 11:02 (CET) Project Created: 10 Oct 2022 11:02 (CET) 		
	Schedule patch verification assess	ment: Schee sessment: Rate I	dule (?) Now (?)			

 For ImmuniWeb Continuous project, at any time when there are vulnerabilities in "Unpatched Vulnerabilities" or "Archived Vulnerabilities" tabs of the dashboard, you can download a JSON file with a security policy for BIG-IP[®] Advanced WAF[®] by clicking "Export" button:

Unpatched Vulnerabilities Archived	Vulnerabilities SCA	Vulnerability Notifications	Statistics	API & Access
-;̈́Q	Below you can see recently det	ected vulnerabilities that are not p	atched yet	
Keyword Filter 07/12/2022 01/12 0 new vulnerability or warning since your labeled of the second se	2/2023 🗰 Critical High ast login	Medium Low Warning	Unpatched Pate	ch Verification
Vulnerability	♦ ID ♥ Risk ♥	CWE-ID 🗢	CVE-ID Detected	Status 🗢 Actions 🔳
Stored XSS in https://demo.example.com demo.example.com	413268926 MEDIUM	Cross-Site Scripting CWE-79	N/A 28 Dec 202	2 Patch 🕧 违 👘
Misconfigured TLS Encryption demo.example.com	209742225 WARNING	Security Warning	N/A 27 Dec 2022	2 Unpatched 🚯 ⊘ 🛃 順
Outdated and Vulnerable JS Libraries (1) [continuous.example.com]	797155351 WARNING	Security Warning	N/A 27 Dec 2022	2 Unpatched 🚯 🔗 🛃 🛍

• Save the XML file on your local or network drive.

3. How to import the list of vulnerabilities into F5 BIG-IP® Advanced WAF®)

 Login to BIG-IP[®] Configuration Utility. In the left-side menu go to: Security -> Application Security -> Vulnerability Assessments -> Settings. Then select ImmuniWeb[®] from the "Vulnerability Assessment Tool" dropdown list.

ONLINE (ACTIVE) Standalone Live Updates Available	1000					
Main Help About	Security » Application Securit	ity : Vulnerability Assessments : Settings				
Statistics	Vulnerabilities Settings					
iApps	🕏 ImmuniWeb	- 🔯 Learning Mode: Manual	🔥 Changes details (not applied) 👻 Apply Policy			
S DNS	Vulnerability Assessments Settings					
Local Traffic	Vulnerability Assessment Tool	ImmuniWeb® Note: You cannot change the Vulnerability Assessment Tool once you have import	ted vulnerabilities.			
Acceleration						
Device Management						
Nhared Objects						
Security						
Overview						
Guided Configuration						
Application Security	Security Policies					
Protocol Security	Policy Building					
Network Firewall	Vulnerability Vuln	nerabilities				
DoS Protection	Assessments	tings				
Bot Defense	URLs					
Cloud Services	Parameters					
Event Logs	Session Tracking					
Reporting	Content Profiles					
Options	Audit Reports					
	Advanced Settings					

• Navigate to Vulnerabilities tab and click on the "Import" button and then the "Browse..." button to select the XML file previously exported from ImmuniWeb.

I ONLINE (ACTIVE) Standalone Live Updates Available						
Main Help About	Security » Application Security : Vulnerability Assessments : Vulnerabilities					
Mage Statistics	to vulnerabilities Settings					
iApps	📀 ImmuniWeb 🔹 🔞 Learning Mode: Manual	Apply Policy				
S DNS	Vulnerabilities Found And Verified By ImmuniWeb®					
Local Traffic	View Resolvable Vulnerabilities with Any ASM Status Show Filter Details	Total Entries: 0				
Acceleration	ImmuniWeb® Vulnerability Name	ASM Attack Type Assolvable Severity Occurrences				
Device Management	No records to display.					
6 Shared Objects						
Security						
Overview						
Guided Configuration						
Application Security						
Protocol Security						

• Click "Apply Policy" button to apply updates to the selected security policy. The virtual patching for the selected vulnerabilities shall now be deployed. Consider removing the XML files with vulnerability data from any insecure or temporary locations.