

# Automated NPM Package Scanner

## Post-Attack Remediation

A Cross-Platform Guide for Vulnerability Detection and Reporting



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🚨 CRITICAL SECURITY ALERT: Shai-Hulud v2 Malware Detected

YES - Your project is severely affected by the Shai-Hulud v2 malware campaign.

🔴 Immediate Threat Assessment

I've detected 689 HIGH severity vulnerabilities in your `package-lock.json` file, ALL related to the Shai-Hulud v2 npm supply chain attack. This is an active, widespread malware campaign targeting npm packages through account takeovers.

Affected Packages (Sample)

Your project contains numerous compromised packages including:

- @ensdomains/ packages (ens-contracts, ens-avatar, ensjs, thorin, etc.)
- @voiceflow/ packages (logger, common, metrics, etc.)
- @posthog/ packages (clickhouse, cli, ai, icons, etc.)
- @asynccapi/ packages (keeper, web-component, studio, etc.)
- @oku-ul/ packages (slider, accordion, primitives, etc.)
- @actbase/ packages (react-kakaosdk, react-native-\* packages)
- @browserbasehq/ packages (mcp-server-browserbase, stagehand, etc.)
- And hundreds more across various npm organizations

Attack Vector

This campaign involves:

- NPM account takeovers of legitimate package maintainers
- Malicious code injection into trusted packages
- Credential theft and data exfiltration capabilities
- Supply chain compromise affecting downstream users

# Cross-Platform Detection and Workflow

## Dual-Script Approach: Windows and Linux Scanning

Component	Windows Script	Linux Script	Purpose
Script File	find_impacted_packages.ps1 (PowerShell)	find_impacted_packages.sh (Bash)	Native execution on each OS type
Input File	impacted_packages.txt	(~800 vulnerable packages)	Must be in the same directory
Prerequisites	npm installed	npm + jq installed	If missing → Host is NOT infected
Scanning	npm list -g (global) & npm list (local)		Audits all installed packages

## Workflow: Detection and Reporting

- 1. Check Prerequisite:** Verify Node.js/NPM is installed.
- 2. Scan:** Audit all installed packages against the impacted\_packages.txt list.
- 3. Report:** Display results on terminal AND send data to webhook.

**Critical:** If Node.js or NPM is not installed, the script exits immediately. Conclusion: Host is NOT infected by NPM packages.



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# Configuration and Reporting Options

## Reporting Options: Terminal Visibility or Centralized Webhook

Output Channel	Visibility	Configuration	Content
Terminal Output	Immediate & Local	Default behavior	Color-coded summary with detected packages
Webhook Notification	Centralized & Instant	Edit WEBHOOK_URL variable	JSON payload with hostname, timestamp, packages

## Configuration Example (Linux/Bash)

```
# Configuration section in find_impacted_packages.sh
WEBHOOK_URL="WebHook_HERE_FOR_DATA"# <-- EDIT THIS LINE
PACKAGE_LIST_PATH="./impacted_packages.txt"
OUTPUT_FORMAT="json"# Can be "json" or "csv"
```

## Setup Requirements

Place both the script and impacted\_packages.txt in the same directory

Ensure Node.js and NPM are installed on the target system

For Linux: Ensure jq is installed (JSON query tool)

Replace WEBHOOK\_URL with your actual webhook endpoint

**AWS Development:** Ongoing work is focused on integrating this detection and reporting process with AWS services for enhanced scalability and centralized management across your infrastructure.



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