



Democratizing Application Security Code Scanning™

**MAKING CODE SCANNING AS  
EASY AS SPELL CHECK™**

# INTRODUCTION

The world is turning to code. Your car, your house, and your business are all running on code. Can that code be hacked?

The Yes: 48% of code is never scanned.<sup>1</sup> With 111 billion lines<sup>2</sup> of code written every year there is a massive gap in security because the remaining code is scanned infrequently and has significant issues.

We see the results every day in the news. In 2019, the companies hacked include social networking WhatsApp to investment group BlackRock.<sup>3</sup> A hacker just added malicious code to steal bitcoin, effecting 2,000,000 users, using a popular open source library.

## WHY IS THIS HAPPENING

Current code scanning solutions are:

**Too Expensive:** Significant cost across people, process, and technology to implement.

**Too Complicated:** Involved infrastructure, configuration, & integration.

**Too Regimented:** Doesn't answer basic questions and requires complicated workflows.

Nucleus™ is Democratizing Application Security™ by making code scanning available to everyone, with zero barriers to entry.

## WHAT IS THE IMPACT ON BUSINESS?

**Loss of Revenue:** Some vulnerabilities can lead to direct financial impact like Point of Service (POS) or WebApp attacks.

**Loss of Trust and Reputation:** Data breaches and security holes can expose customers, clients and employees.

**Legal:** A growing trend to legal action on behalf of customers and clients from data breaches.

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1. Veracode  
2. <https://www.csoonline.com/article/3151003/world-will-need-to-secure-111-billion-lines-of-new-software-code-in-2017.html>  
3. <https://www.identityforce.com/blog/2019-data-breaches>

# CHALLENGES WITH EXISTING CODE SCANNING SOLUTIONS



Current code scanning solutions are complicated and difficult to use and time consuming to setup. It takes an expert in that system to understand the output. Because of the complexity they are used only on an as need basis, usually upon release. New vulnerabilities are identified daily and if you don't scan your old code you won't know if you are at risk of new threats. Current solutions are:

**Complex to setup** - Require dedicated teams inside of organizations to manage the tools and current teams of engineers are needed to setup.

**Difficult to decipher results** – The results are complicated and take time to understand what is most important.

**Repetitive incidents** – Each vulnerability creates multiple incidents and the repetition of results creates a waste of time repeating tasks.

**Lacking historical data** – Code and vulnerabilities evolve over time. Understanding how your systems are improving or declining is critical to maintain secure system.

**Not up to date** – Code is typically only validated and scanned at release but new vulnerabilities are found daily. If a critical vulnerability is found it is important to fix in a timely fashion.

**Expensive** – Licenses are expensive and limited in scope. Current users strive to limit the total number of scans at the expense of transparency.

Nucleaus™ offers a solution that makes code scanning easy and provides a level of transparency that reveals the problems that can lead to a security breach.



# WHY NUCLEAUS™?

Nucleus™ is **Simple, Approachable, Affordable and Actionable**. We are making code scanning as easy and approachable as Spell Check. We are providing a solution not a technology.

The Nucleus™ dashboard provides up to date information on all code repositories and can alert immediately when a critical vulnerability occurs.

**Continual Updates** - We continuously update and scan repositories after they are added. Yesterday's scan is already outdated due to new vulnerabilities. Nucleus™ automated continuous vulnerability updates provides up-to-the-minute results.

**Code Issue and Project Dependencies** – Easy to identify, prioritize and fix issues whether from code or project dependencies.



## NUCLEAUS™ KEY BENEFITS:

**Simple, Approachable, Affordable and Actionable:** 30 min to get setup and running.

**Continuous updates:** Continuously update and scan repositories after they are added.

**Automated:** The platform operates autonomously, scanning repos and delivering results. There are only two things you can do: add additional repos and run ad hoc scans.

**Scale:** Scan 1 repo or 1,000's automatically everyday with no human intervention.

**Portable:** Access Nucleus™ dashboard from anywhere, including your phone.

# 9 LANGUAGES & 72 FRAMEWORKS

GETTING SMARTER EVERYDAY

Conservatively, Nucleus™ supports 9 of the most popular languages on Github and 72 frameworks such as:

JavaScript

NodeJS

Flex

PHP

Go (GoLang)

Python

Java

Ruby

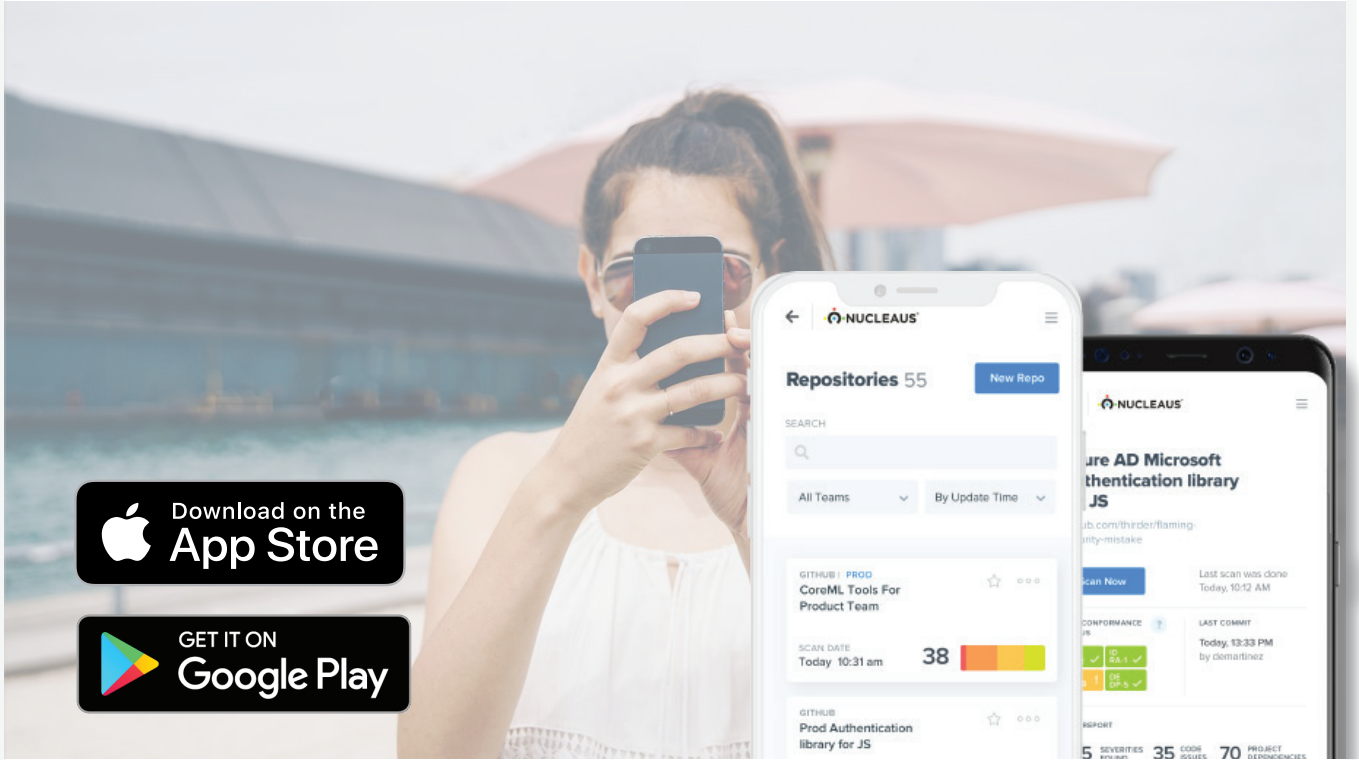
TypeScript

and continuing to add languages on a regular cadence...



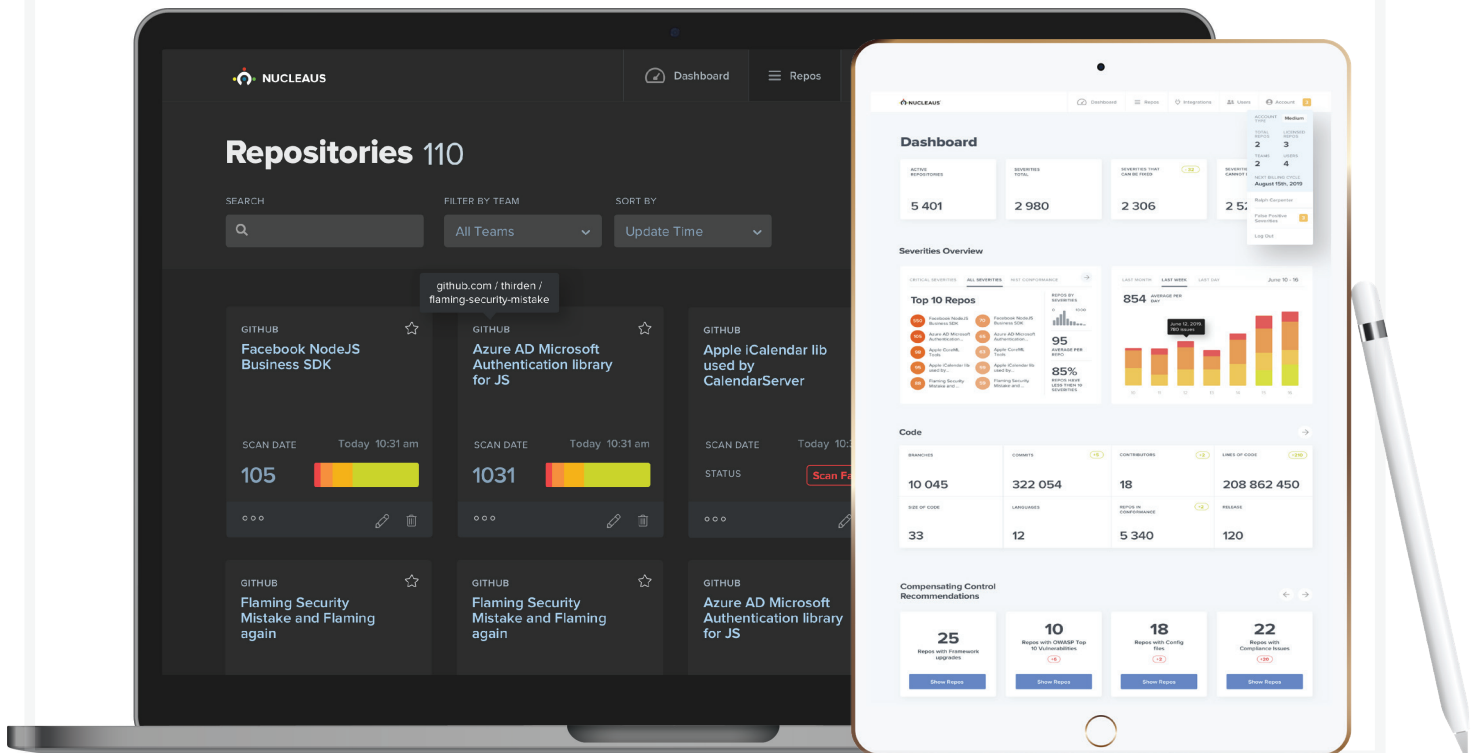
# APP SCREENSHOTS

Result-Driven from Cxo to Dev from anywhere with the Nucleus™ App



## Dark Mode and Light Mode Nucleus™ Console:

WCAG accessibility was taken into consideration with dark mode to ensure a sufficient contrast ration for folks with visual disabilities.





# RESULTS IN THREE STEPS

**Simple:** Nucleus™ makes code scanning as easy as doing a spell check.

**Democratized:** No barriers to entry, skills, or technology.

**Approachable:** Anyone, on any device, can understand **risk** and how to **remediate**.

1

Subscribe to  
the Console

2

Enter Your Code  
Repositories

3

View the Vulnerability  
Report





# WHICH OF THE FOLLOWING CAN YOU ANSWER TODAY?

## ELEPHANT IN THE ROOM...

### Dev Team:

- Which repository has **the most risk**?
- How do you **prioritize** vulnerabilities?

### CISO/CIO/CTO:

- How many total critical, high, medium and low vulnerabilities do we have?
- Are the vulnerabilities **trending up or down**?

### CEO/ Board:

- Do those vulnerabilities pose a **risk** to our brand and customers?

**As the landscape of threats increases, CISOs, security committees, executives and boards of directors are demanding meaningful information for decision-making.**

Cyber security stakeholders face significant challenges identifying, obtaining, processing and aggregating key information that enables them to steer towards defined targets effectively, and ultimately be in better control of their organization's cyber security.





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