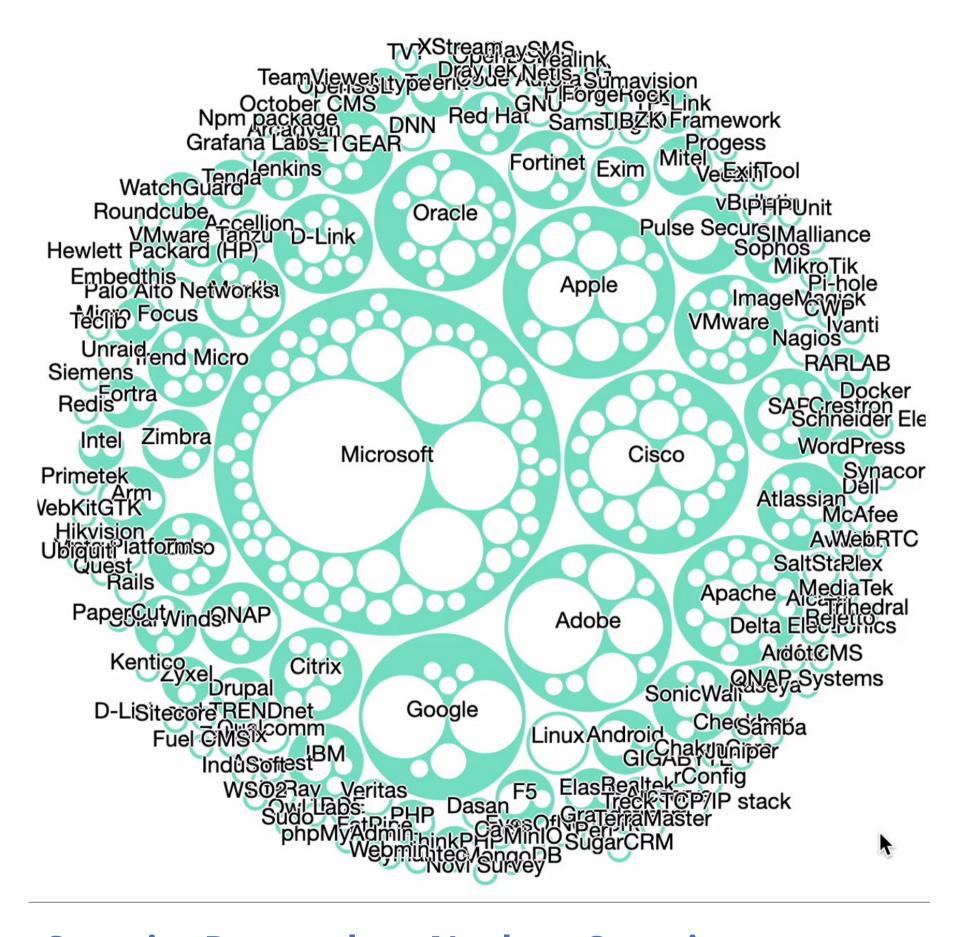
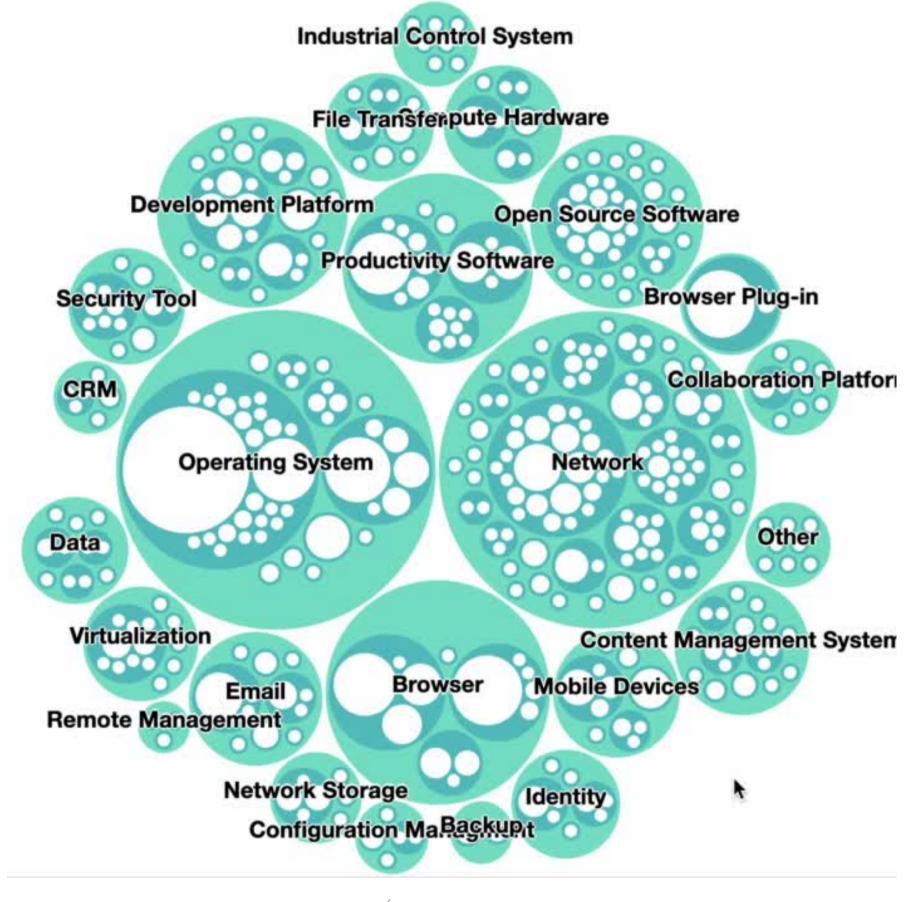




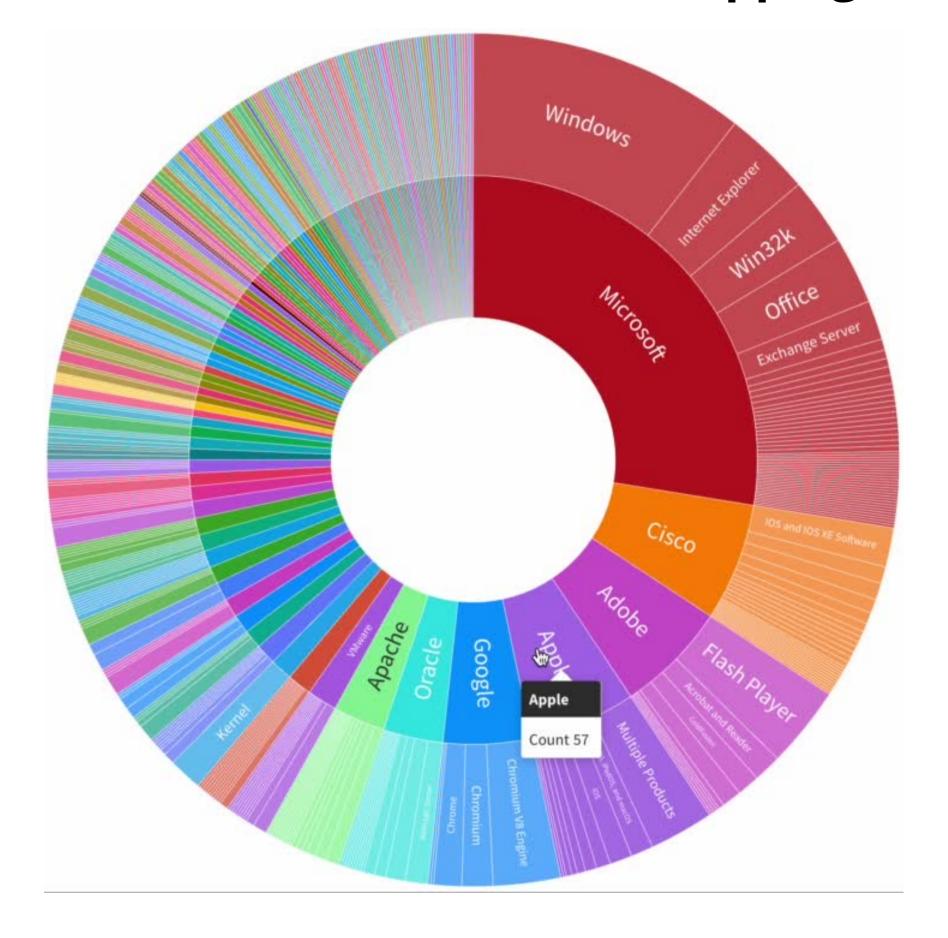
CISA Known Exploited Vulnerabilities (925)



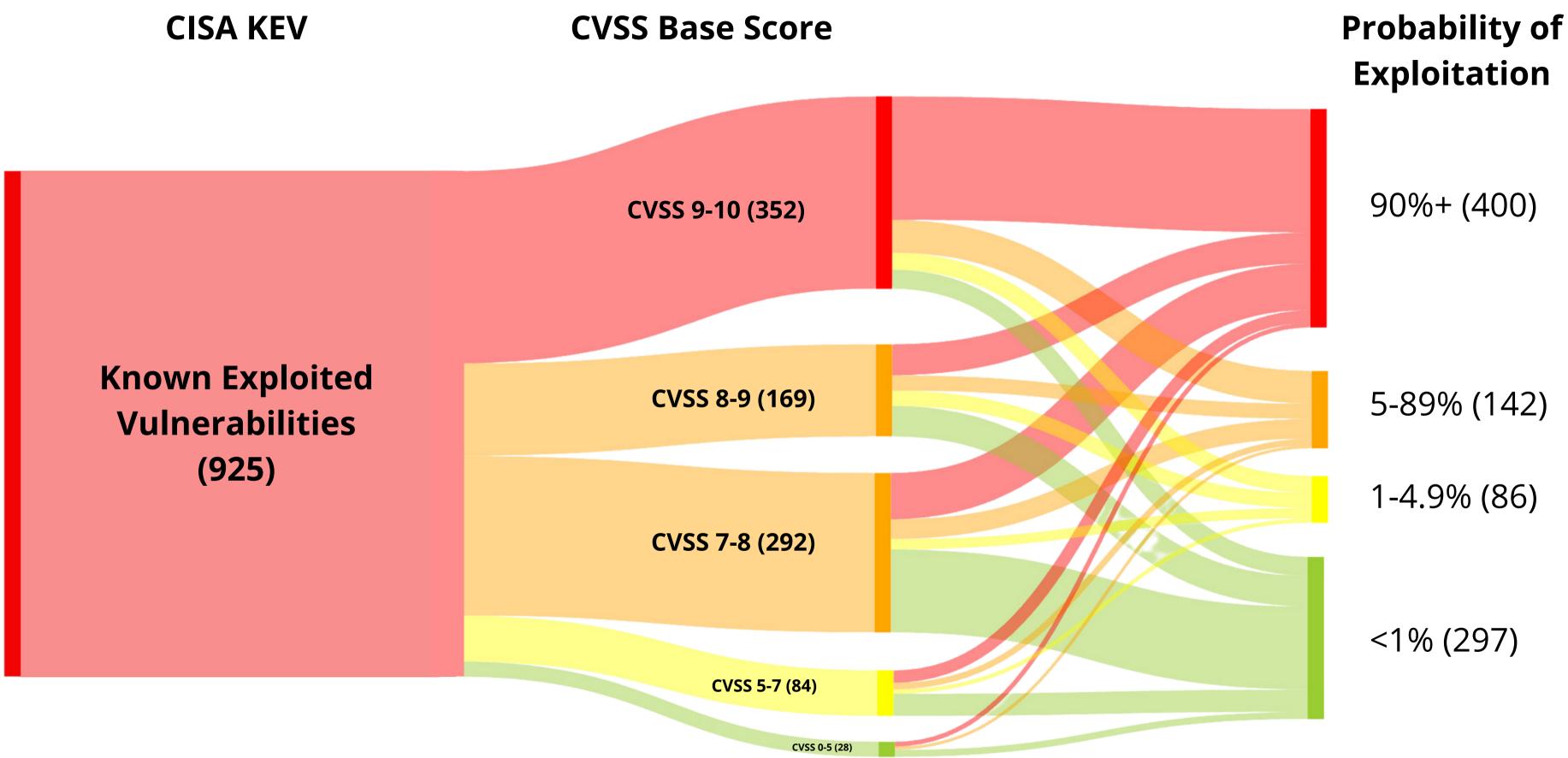
CISA Known Exploited Vulnerabilities Categorized by Type (977)



Interactive CISA KEV Vendor > Product Mapping to CVSS & EPSS



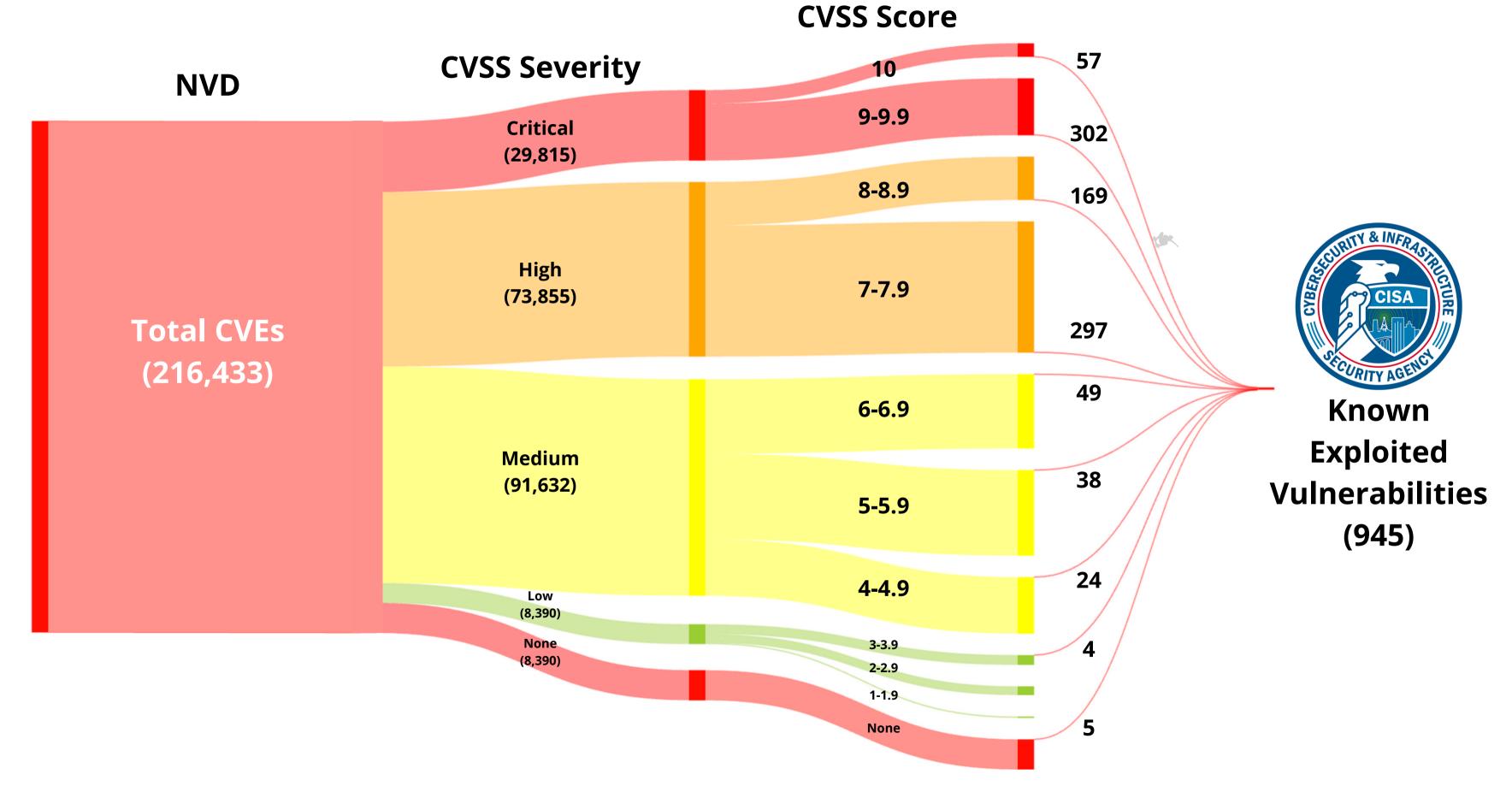
CISA KEV Mapped to CVSS & EPSS





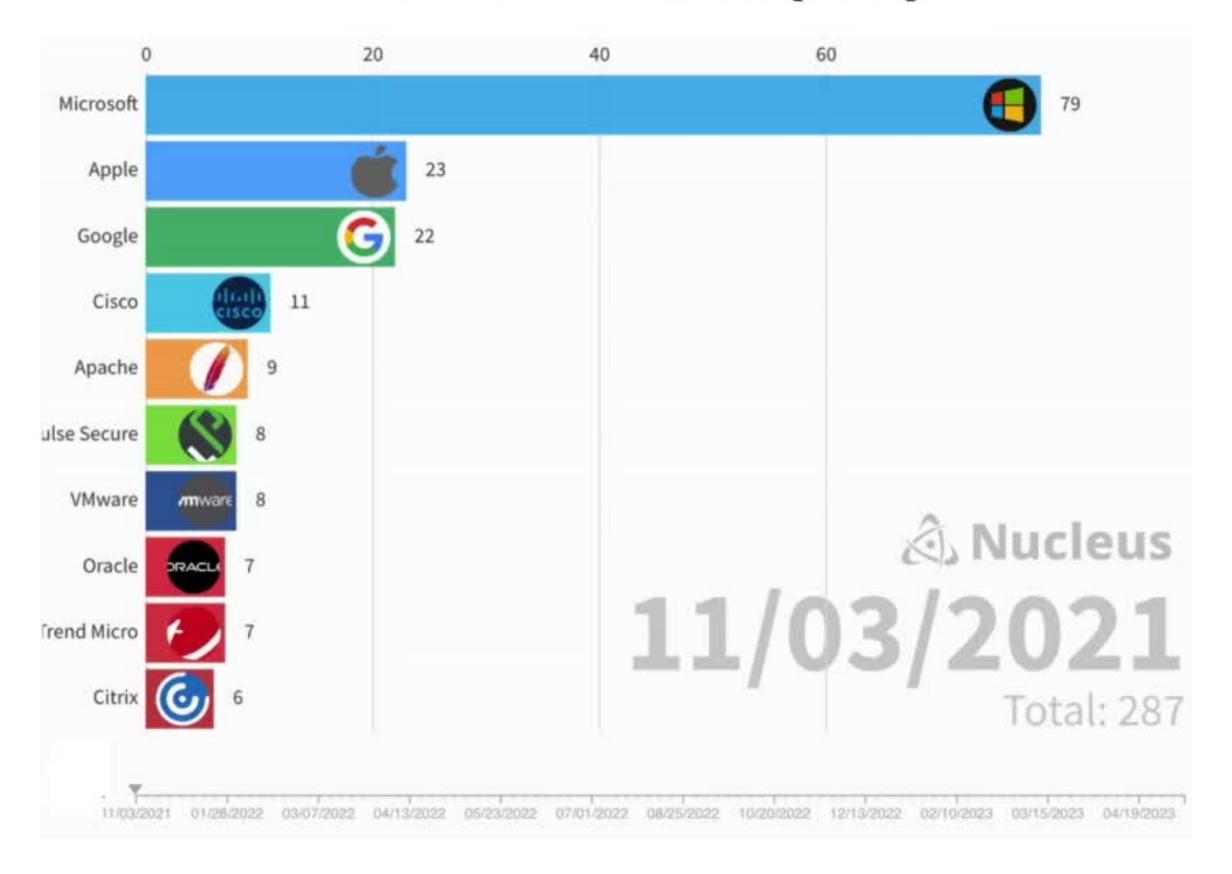
EPSS

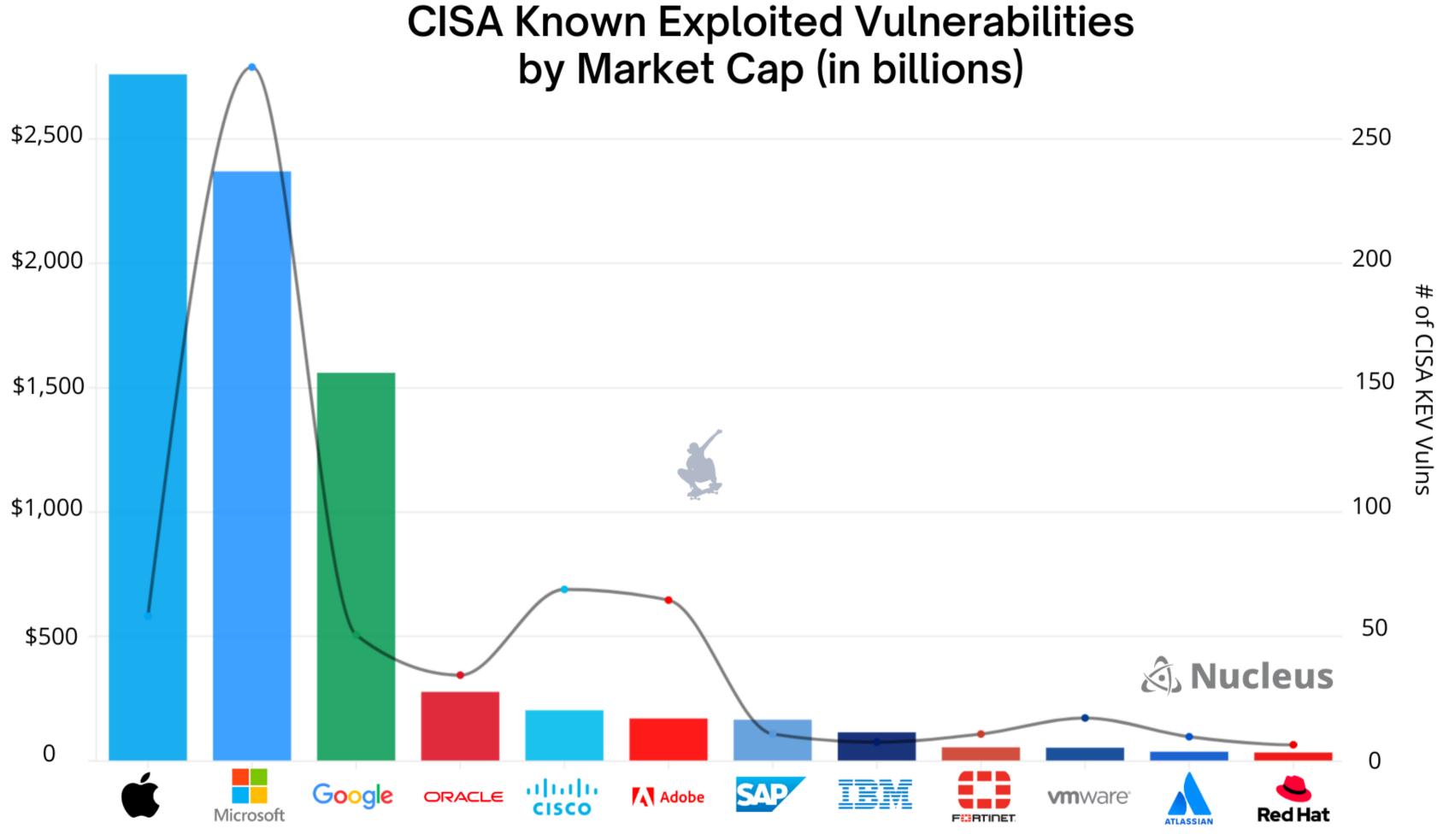
NVD Mapped to CVSS & CISA KEV





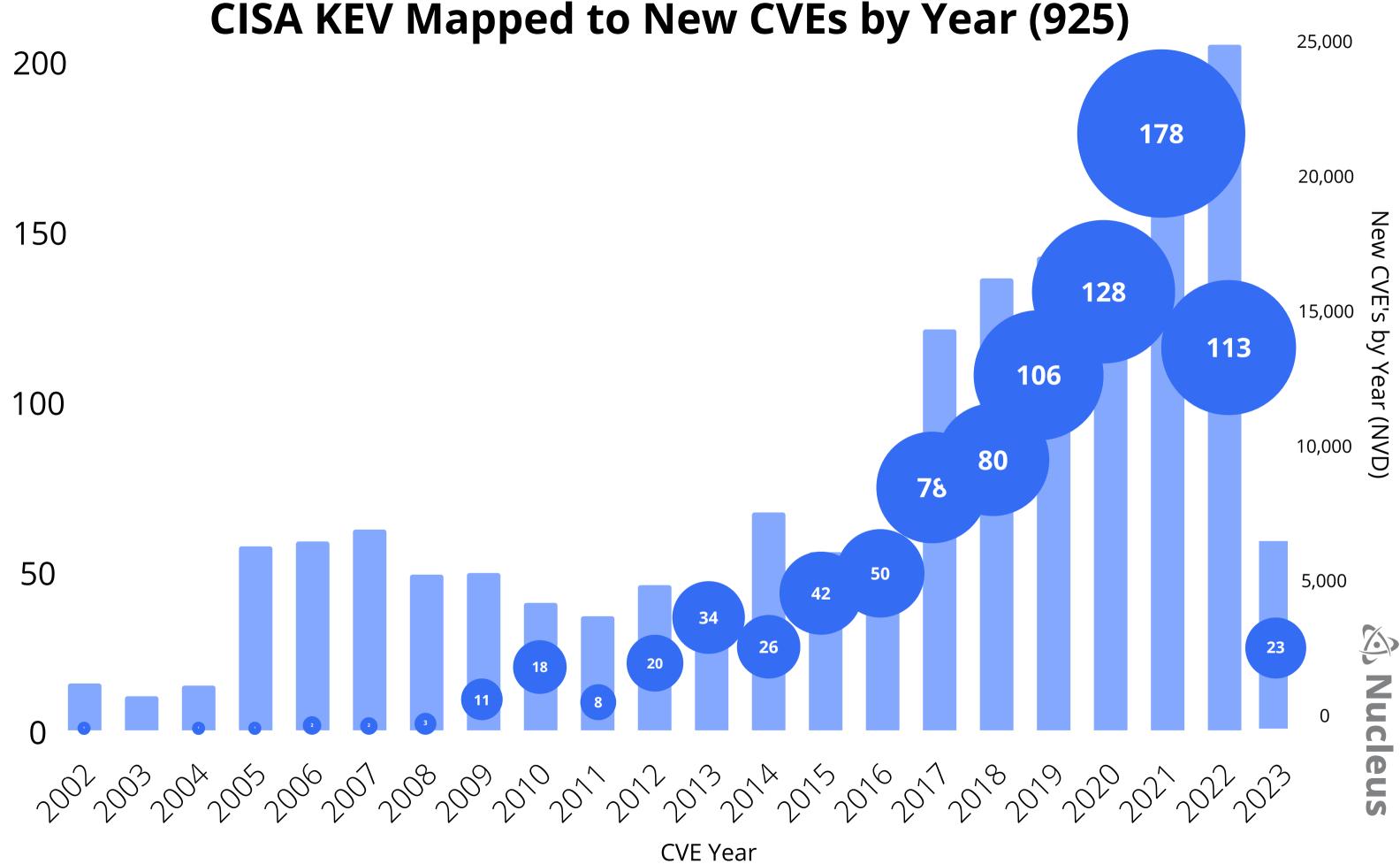
CISA Known Exploited Vulnerabilities (933)



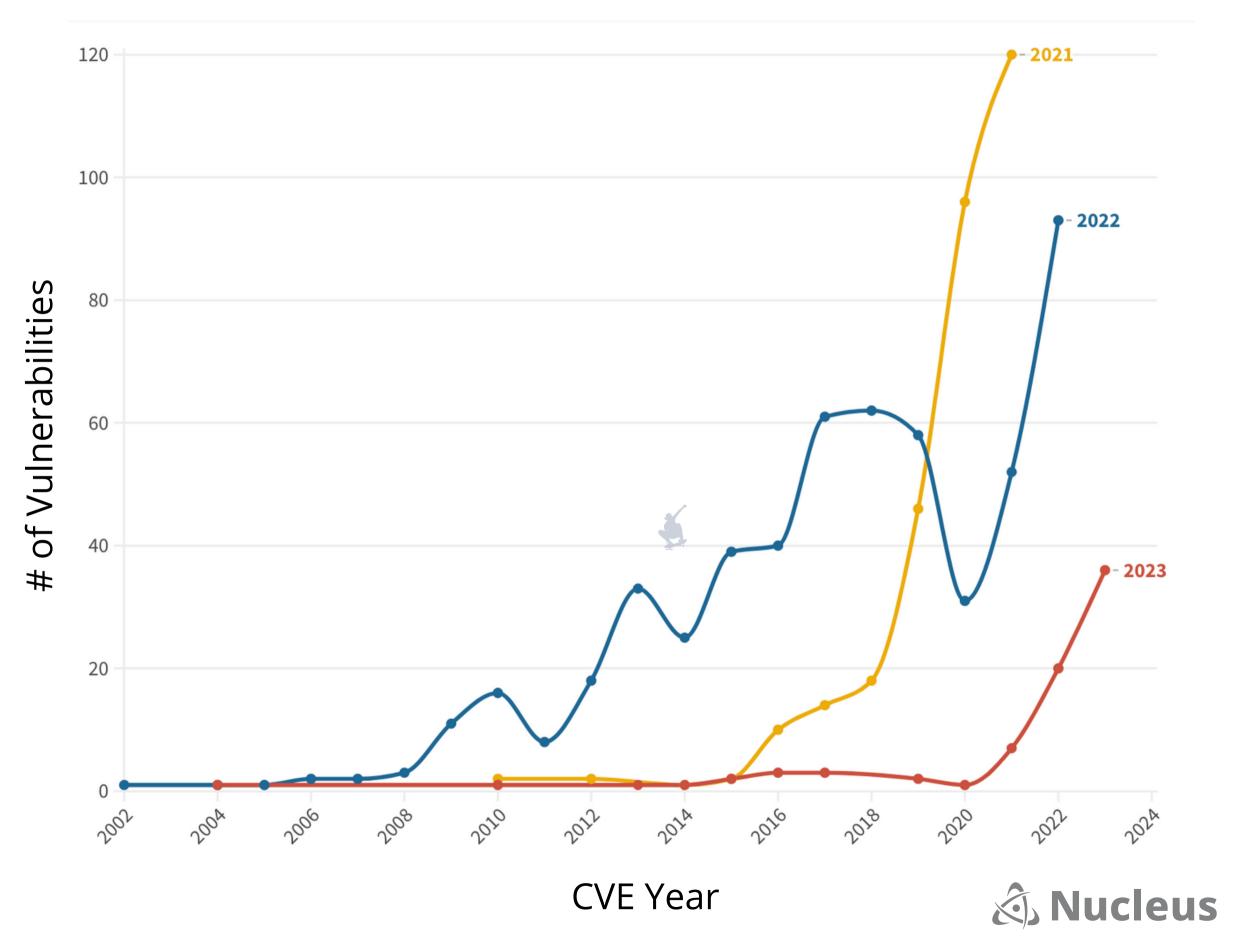






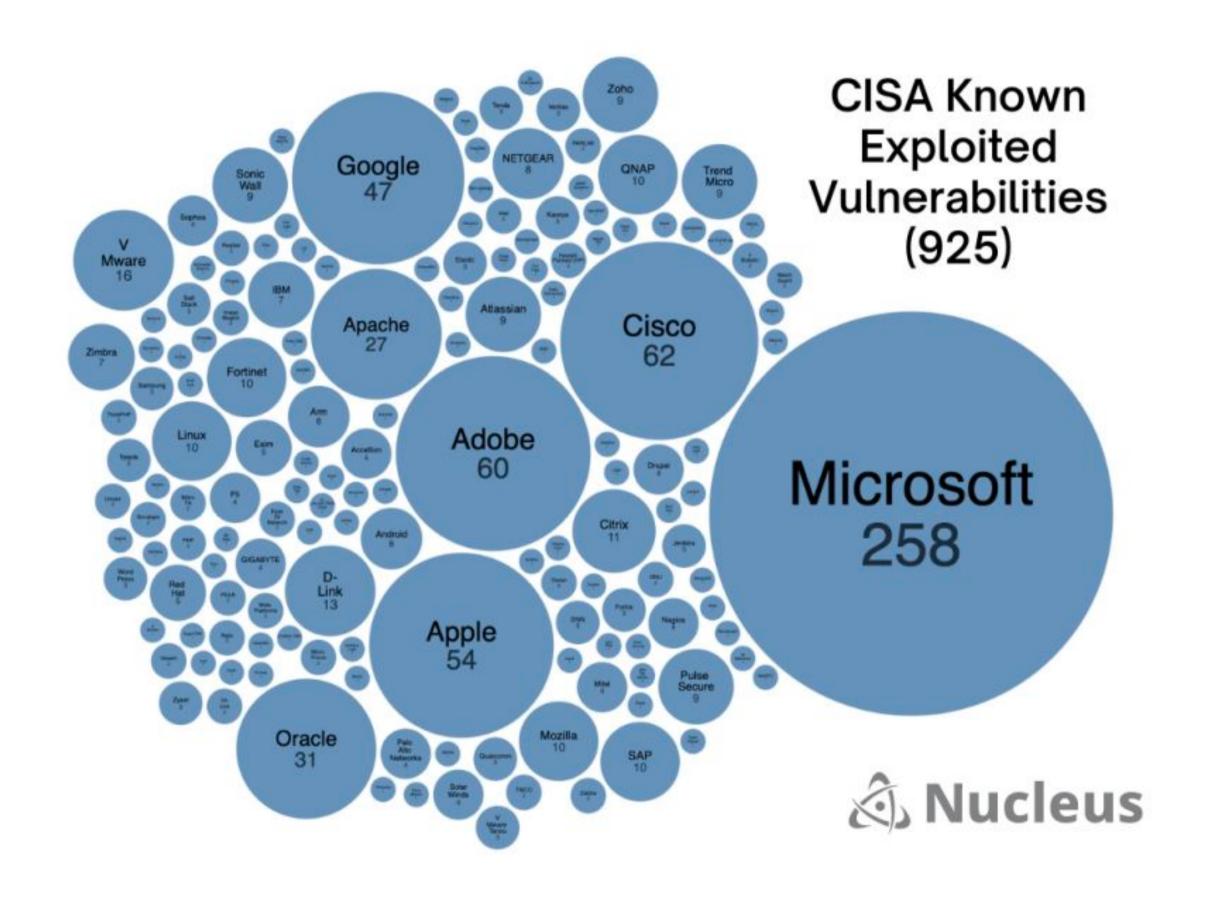


CISA KEV (YEAR ADDED TO KEV)



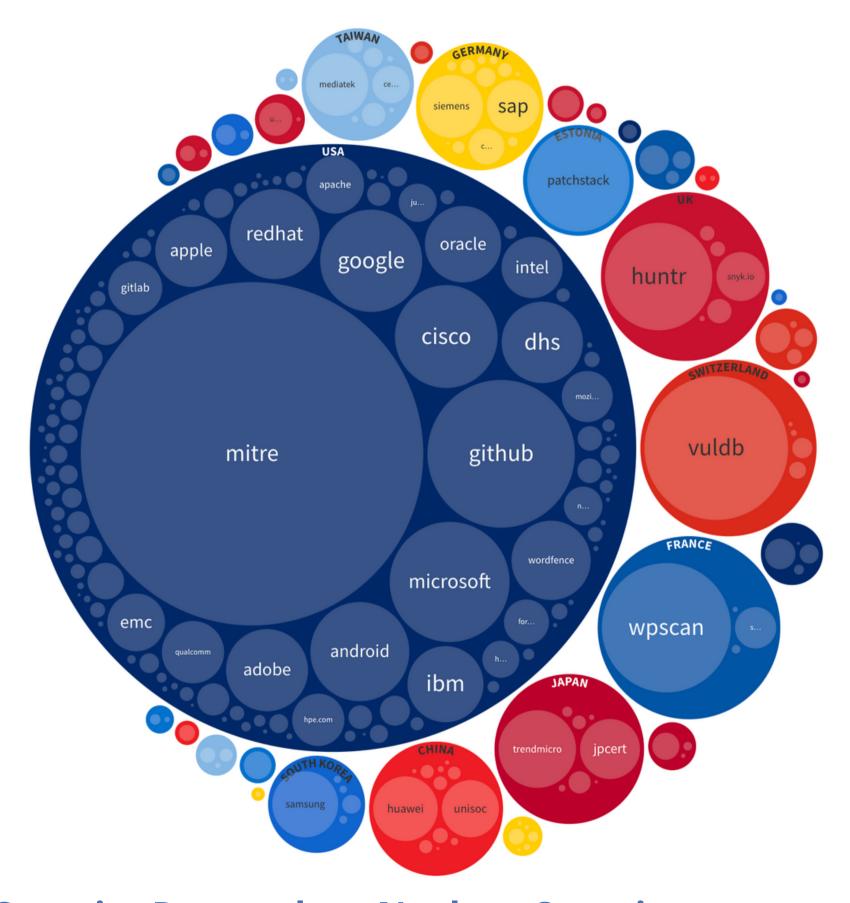


CISA Known Exploited Vulnerabilities by Vendor

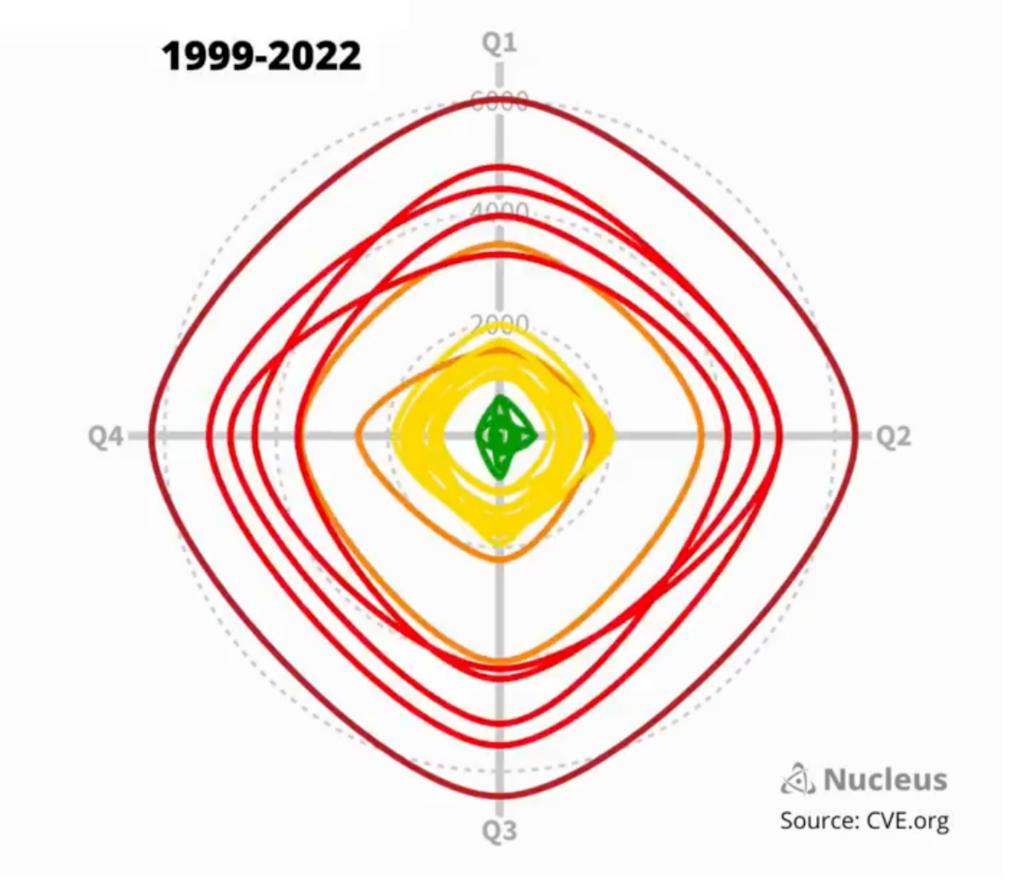


National Vulnerability Database (NVD)

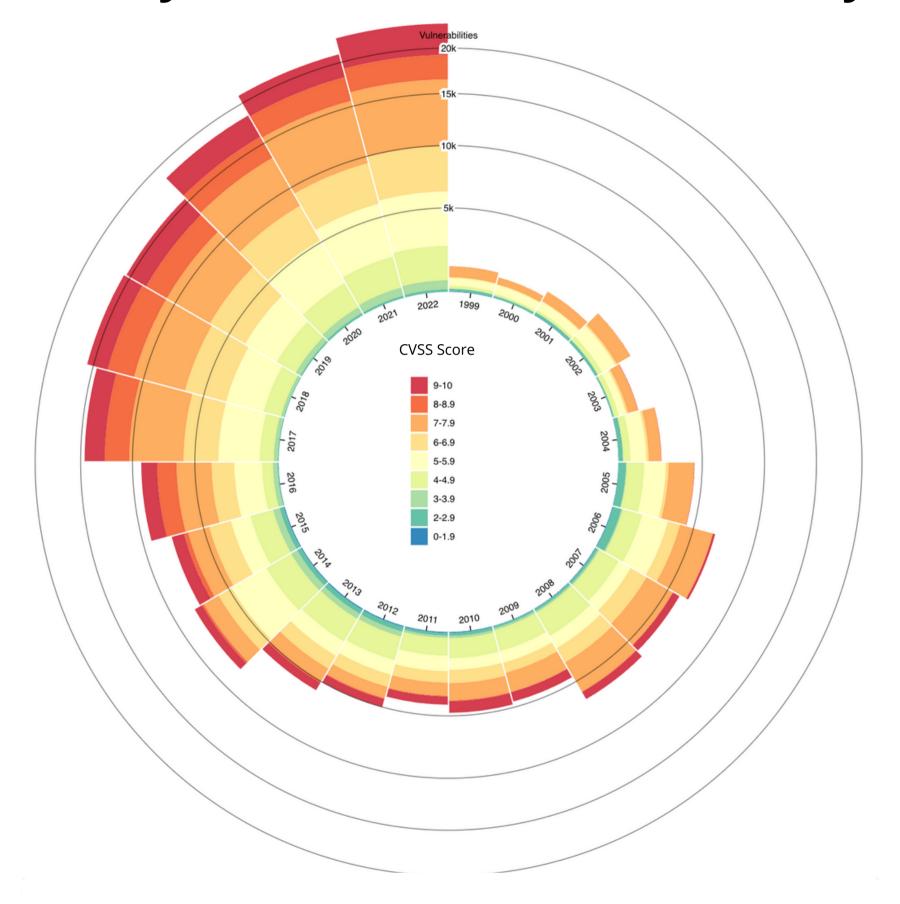
CVE Distribution by CNA (2022-1H2023)



OF VULNS PUBLISHED BY YEAR

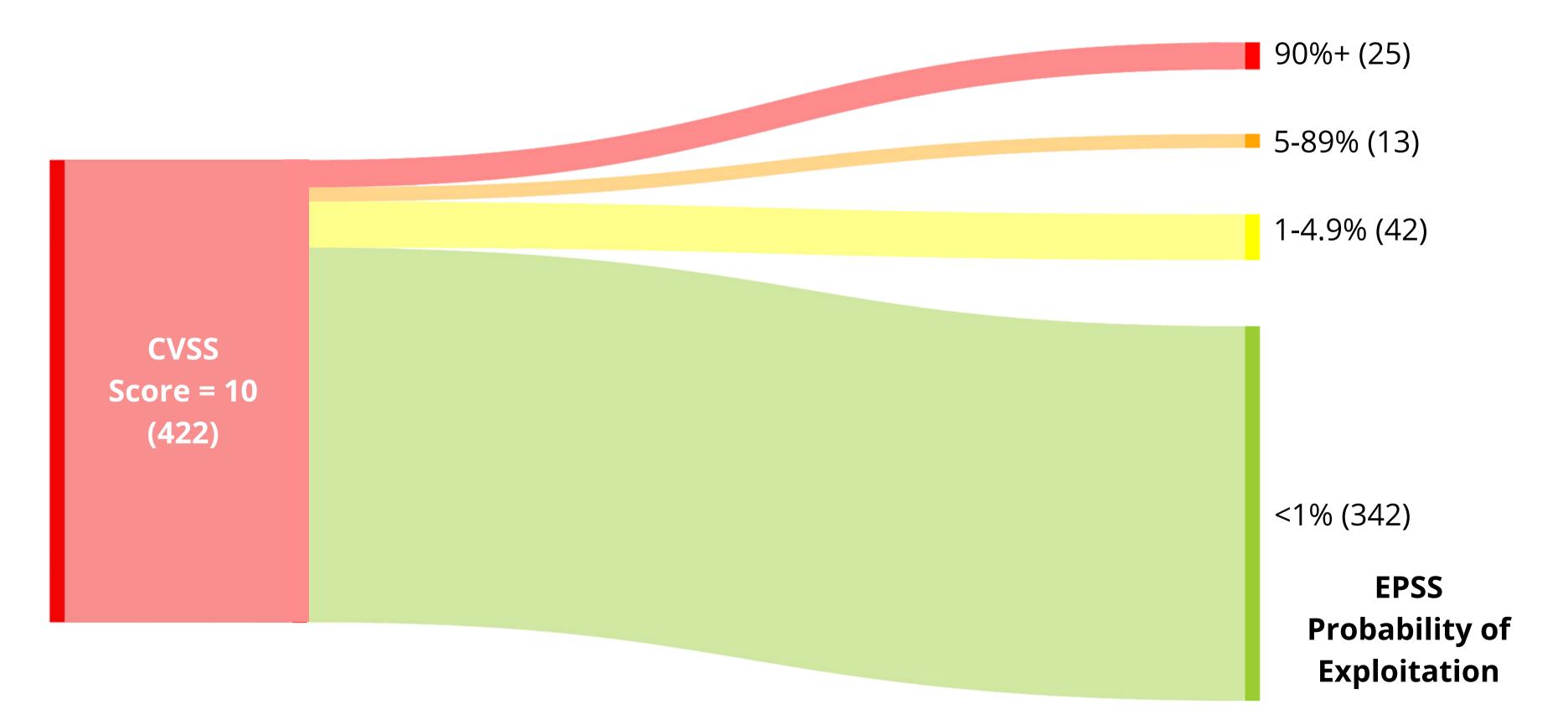


CVE Vulnerability Distribution Overtime by CVSS Score



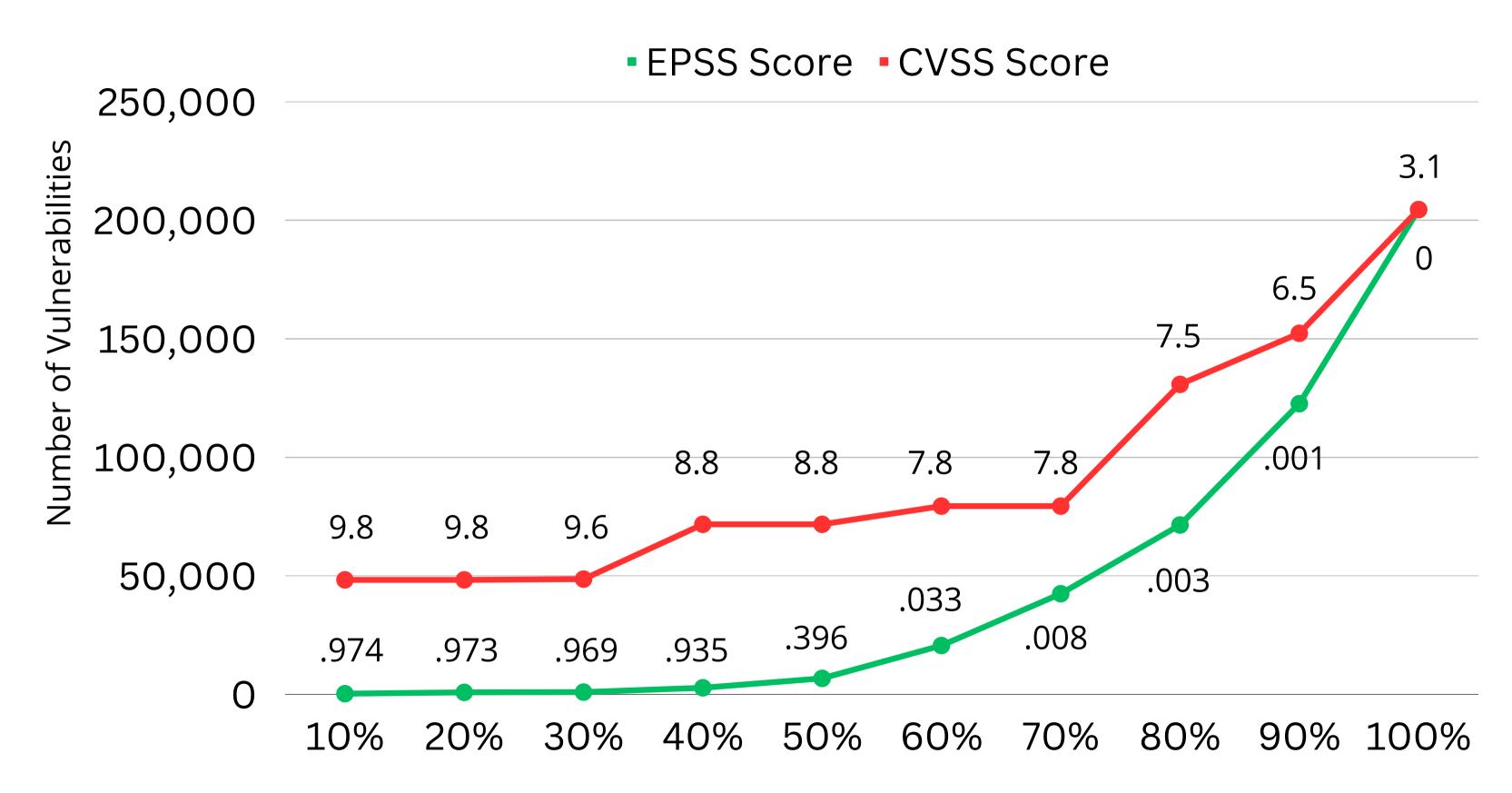
Exploit Prediction Scoring System (EPSS)

CVSS 10 Vulnerabilities Mapped to EPSS

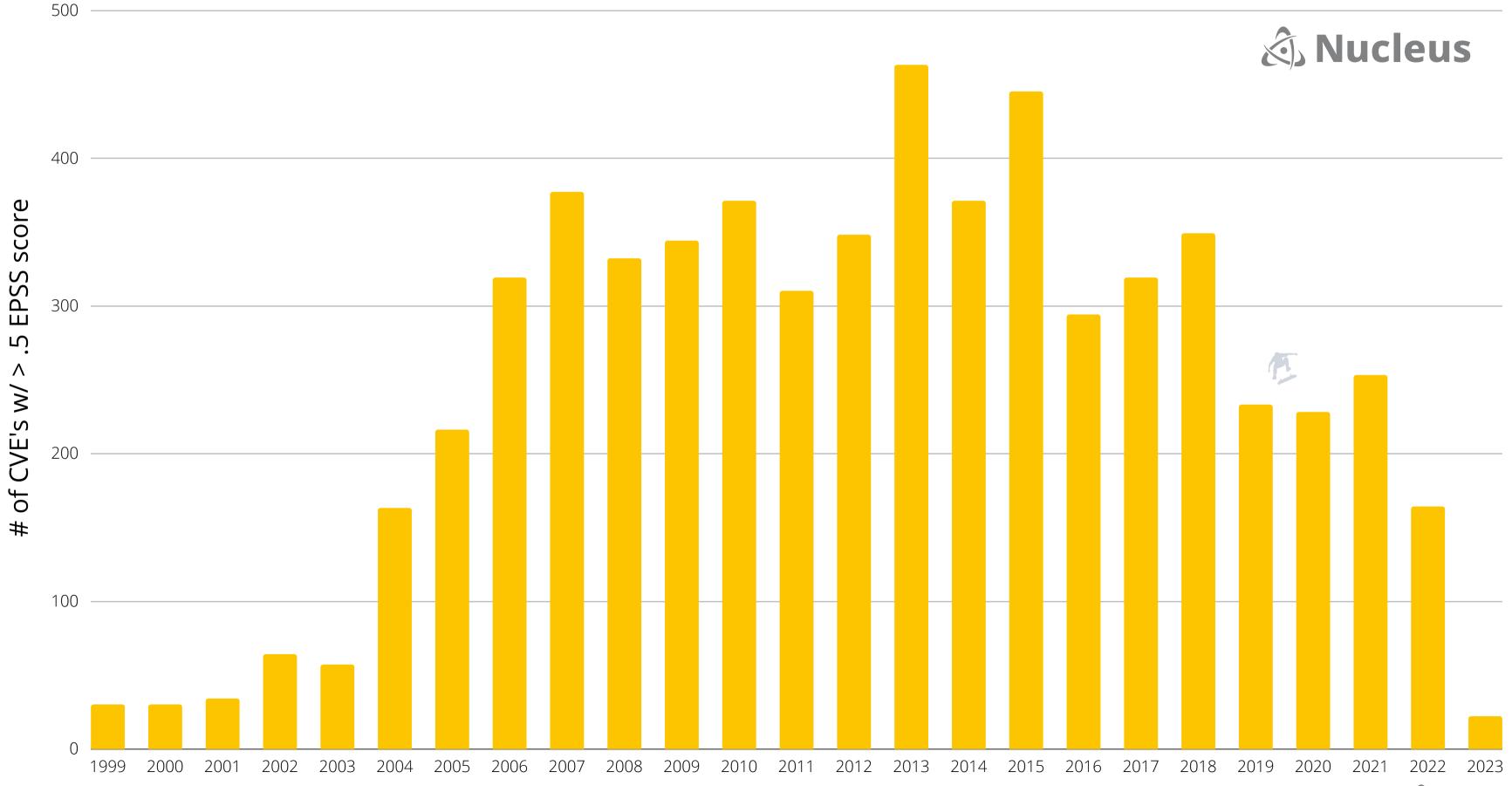




CISA KEV COVERAGE COMPARISON (CVSS / EPSS)

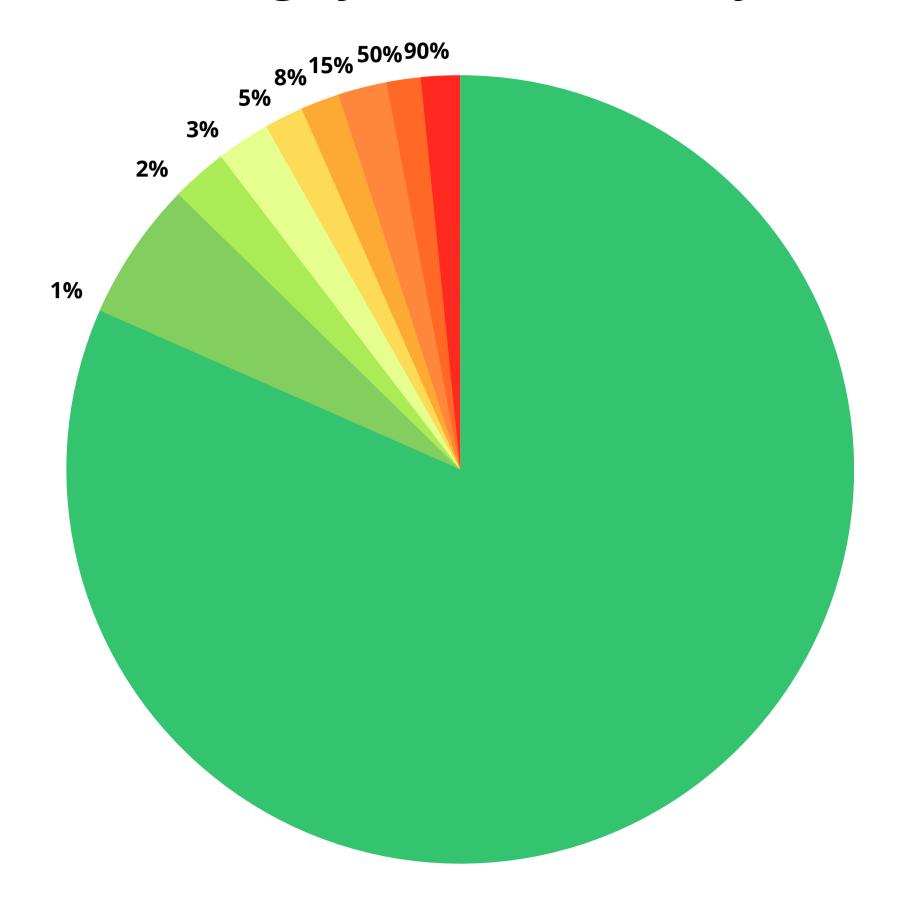


> 50% probability of exploitation in the next 30-days (Source: EPSS)



Nucleus

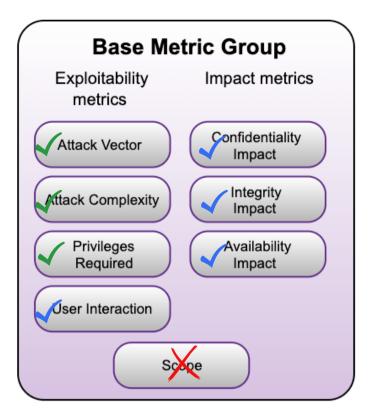
Exploit Prediction Scoring System Probability Distribution (NVD)

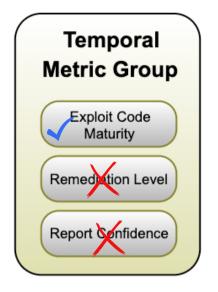


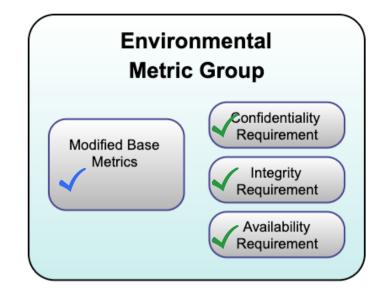


Common Vulnerability Scoring System (CVSS)

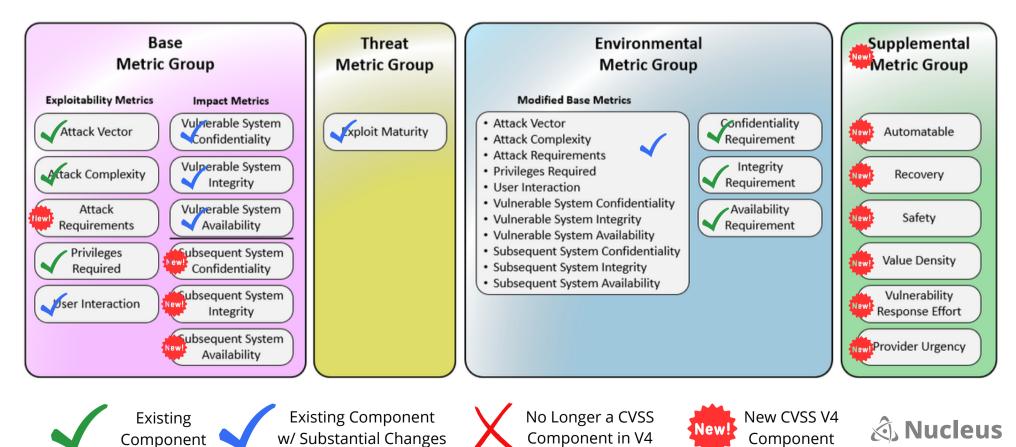
Common Vulnerability Scoring System v3.1







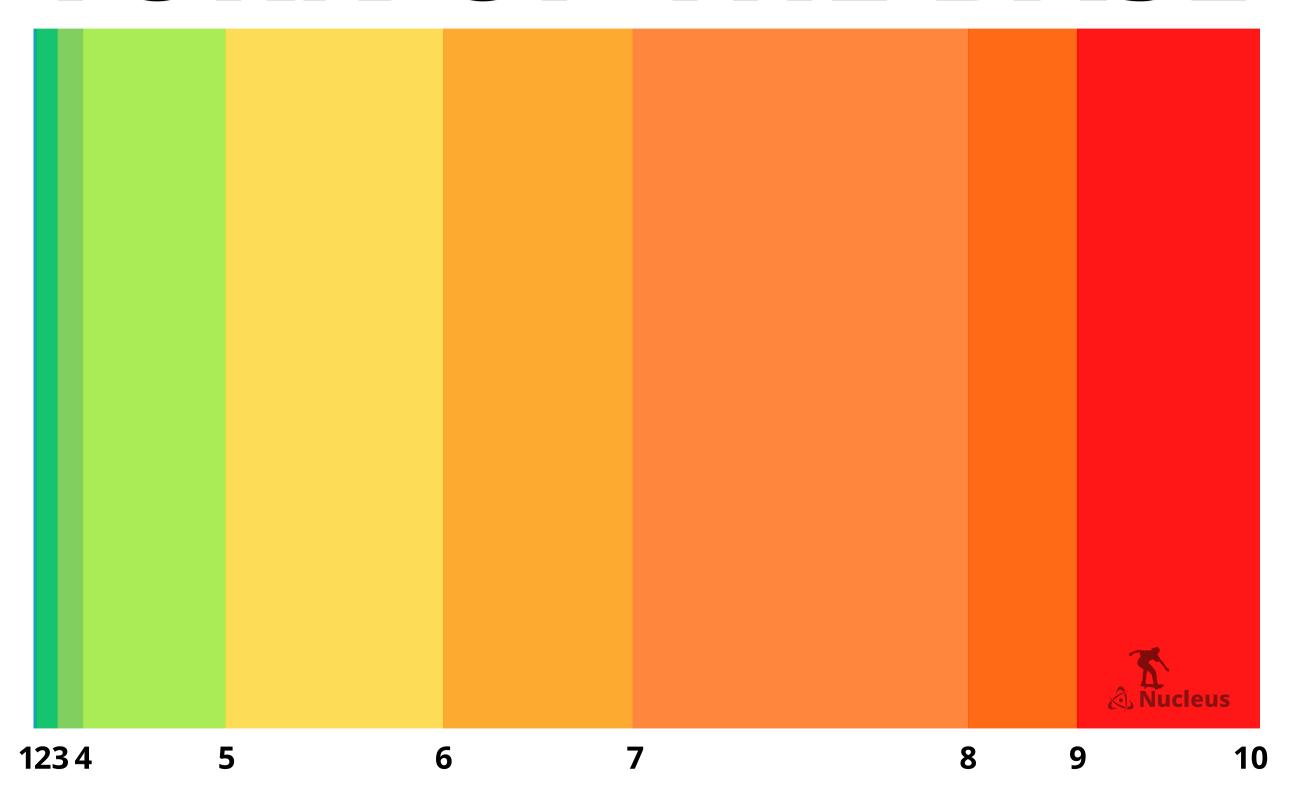
Common Vulnerability Scoring System v4





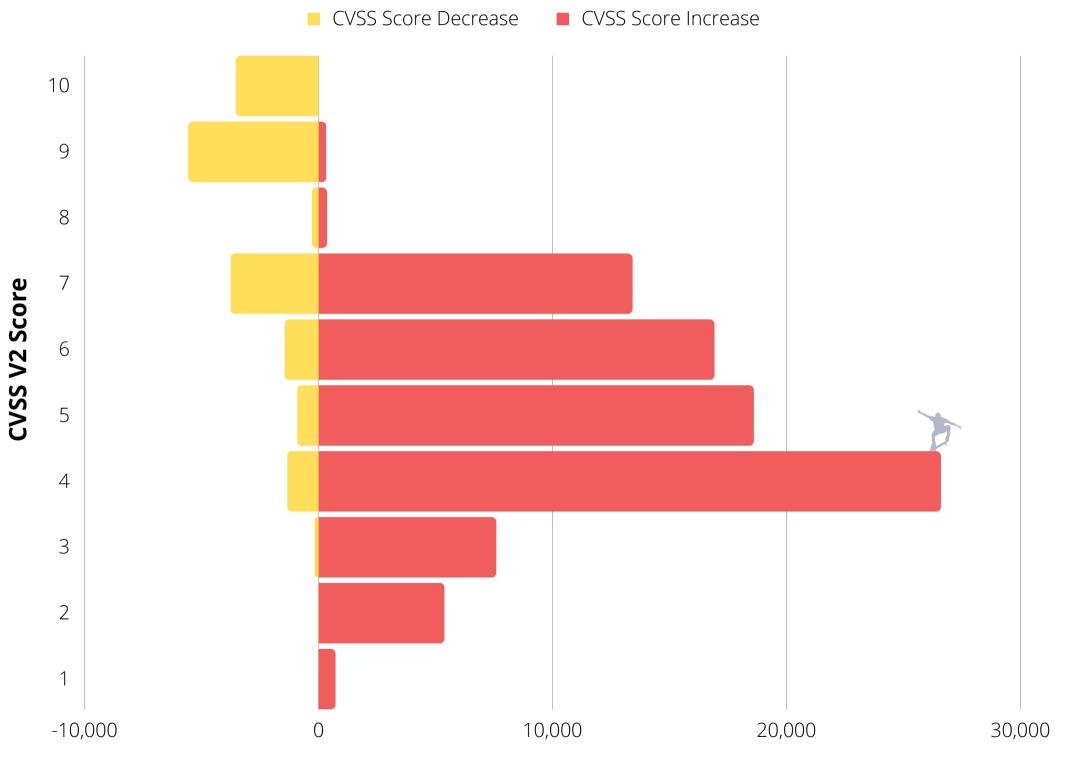
CVSS Base Score Distribution

TURN UP THE BASE





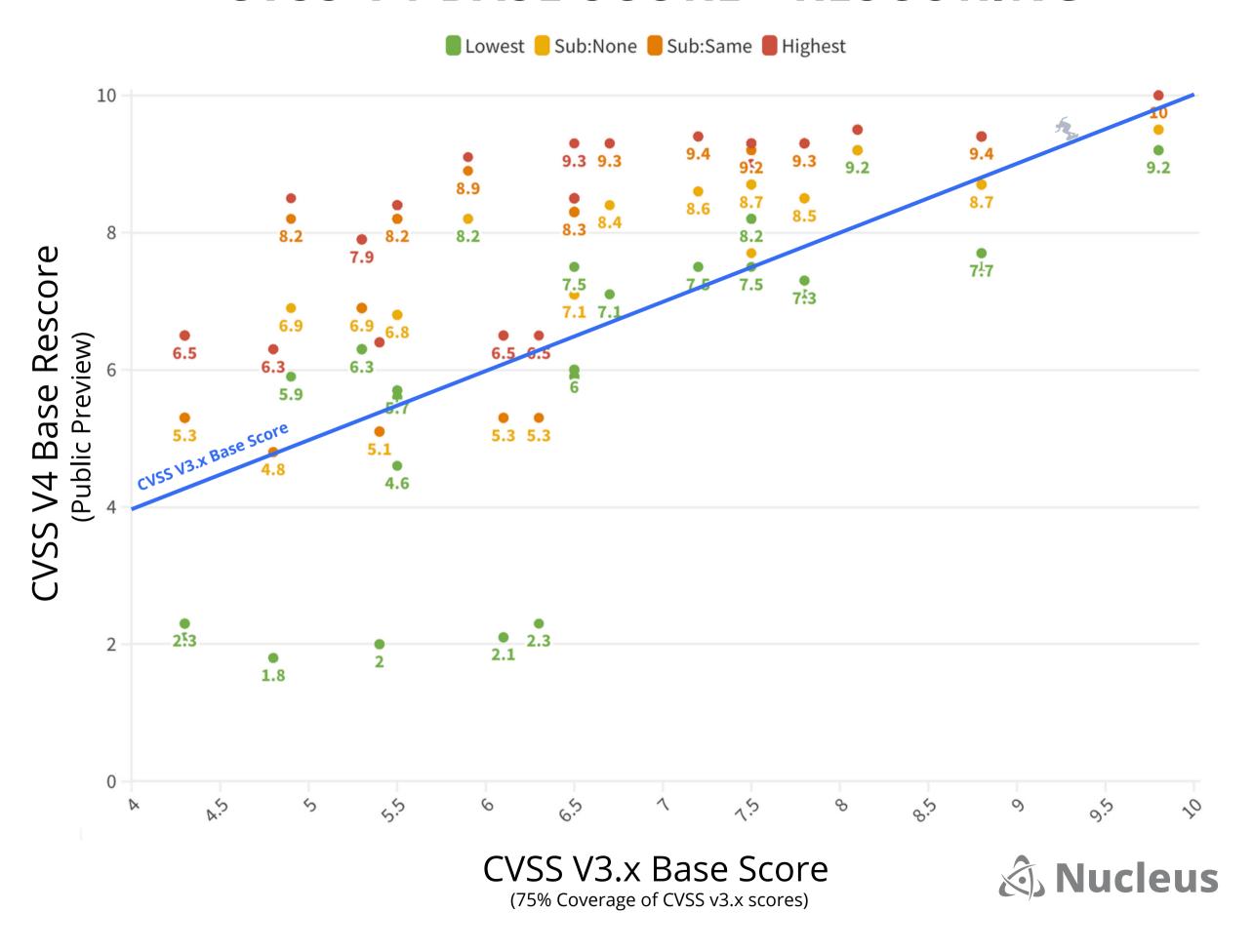
CVSS BASE SCORE CHANGE CVSSv2 > CVSSv3.x



Number of Vulnerabilities

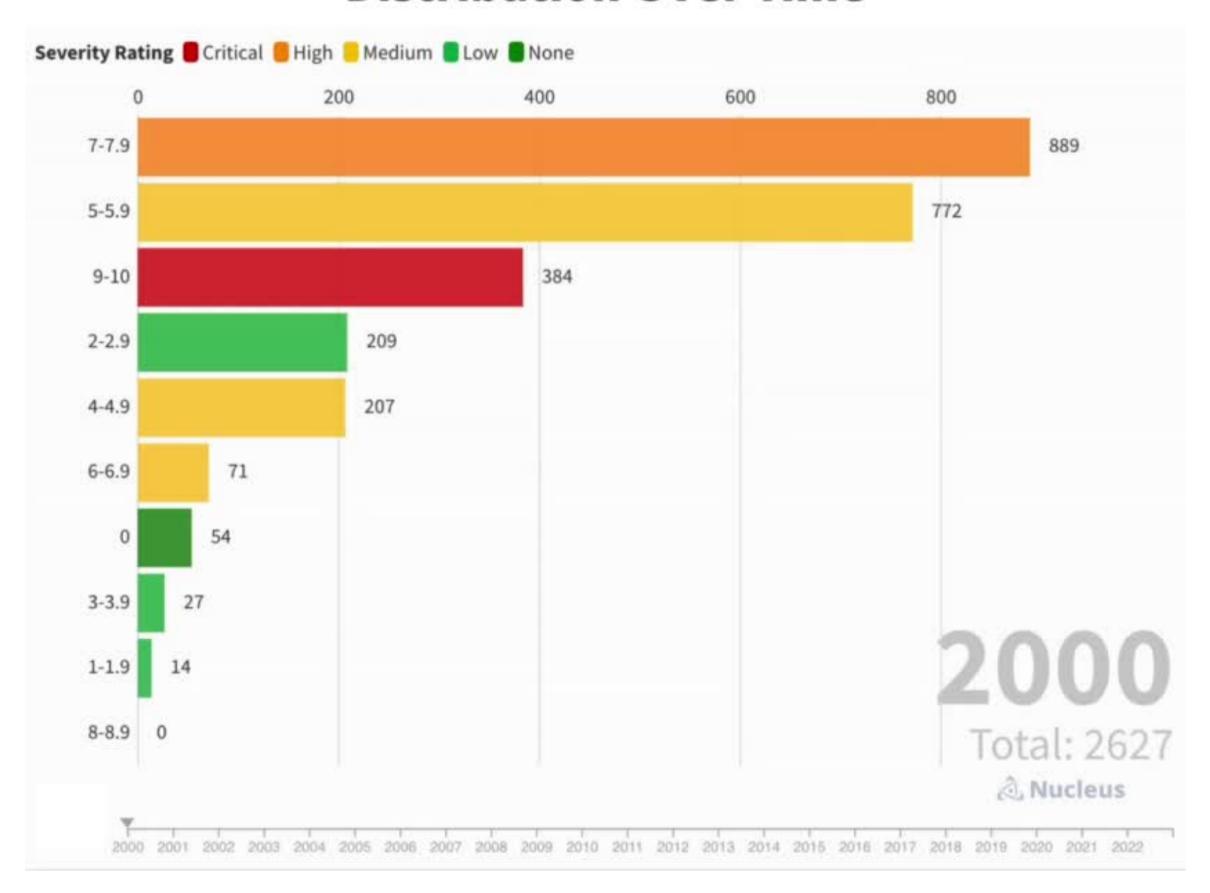


CVSS V4 BASE SCORE - RESCORING

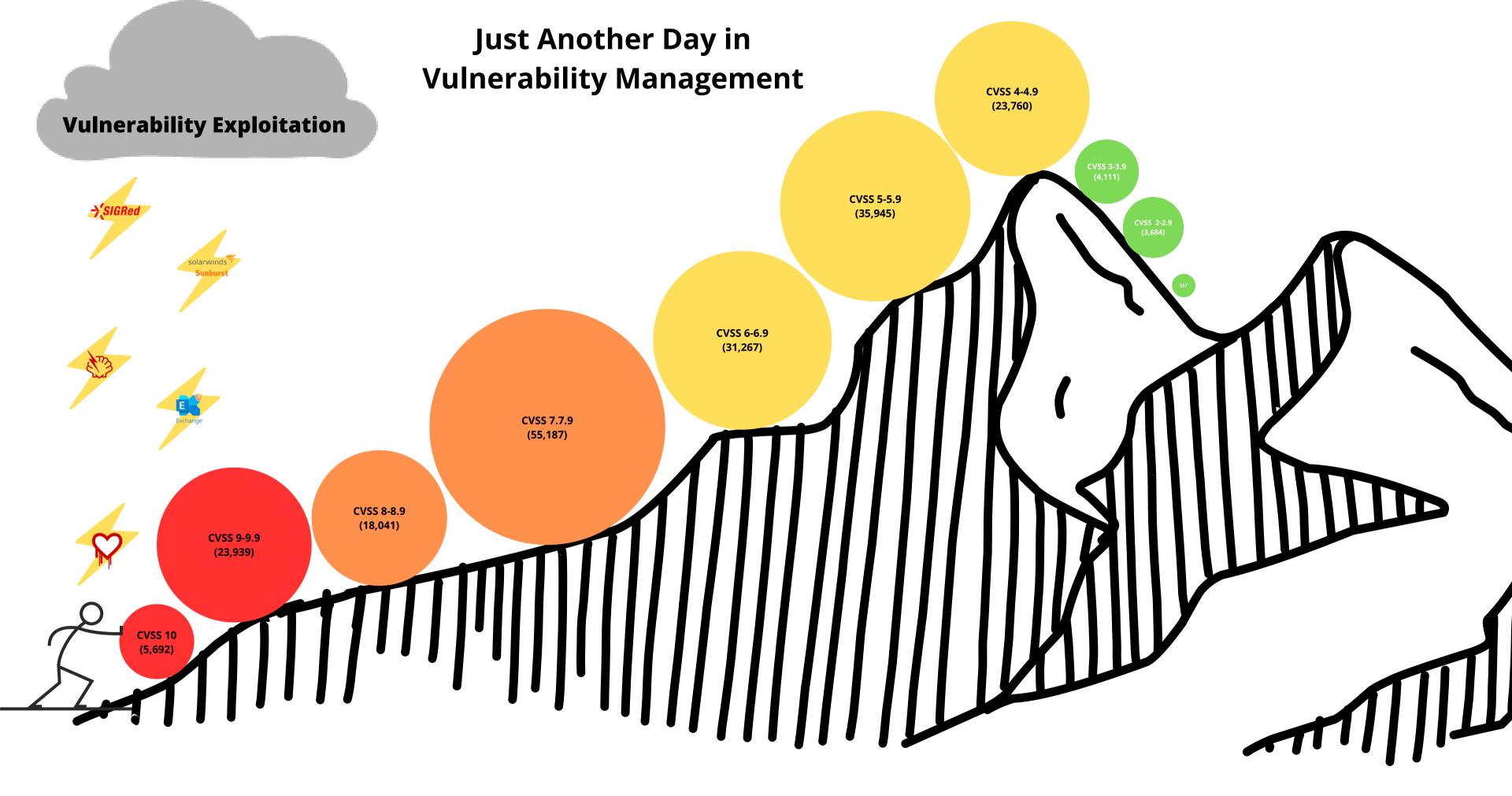


Created By: Patrick Garrity, Security Researcher, Nucleus Security

CVSS Scoring Distribution Over Time

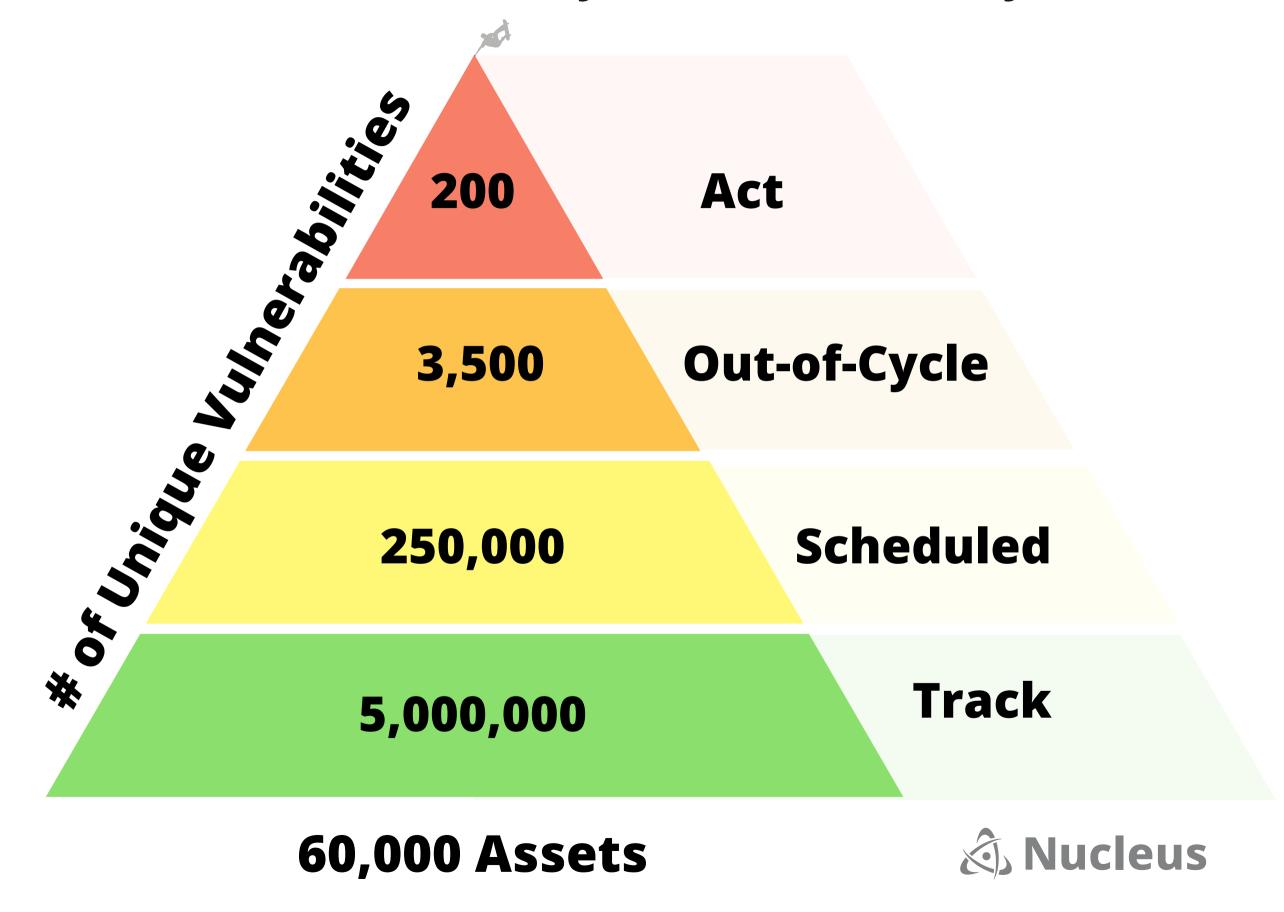






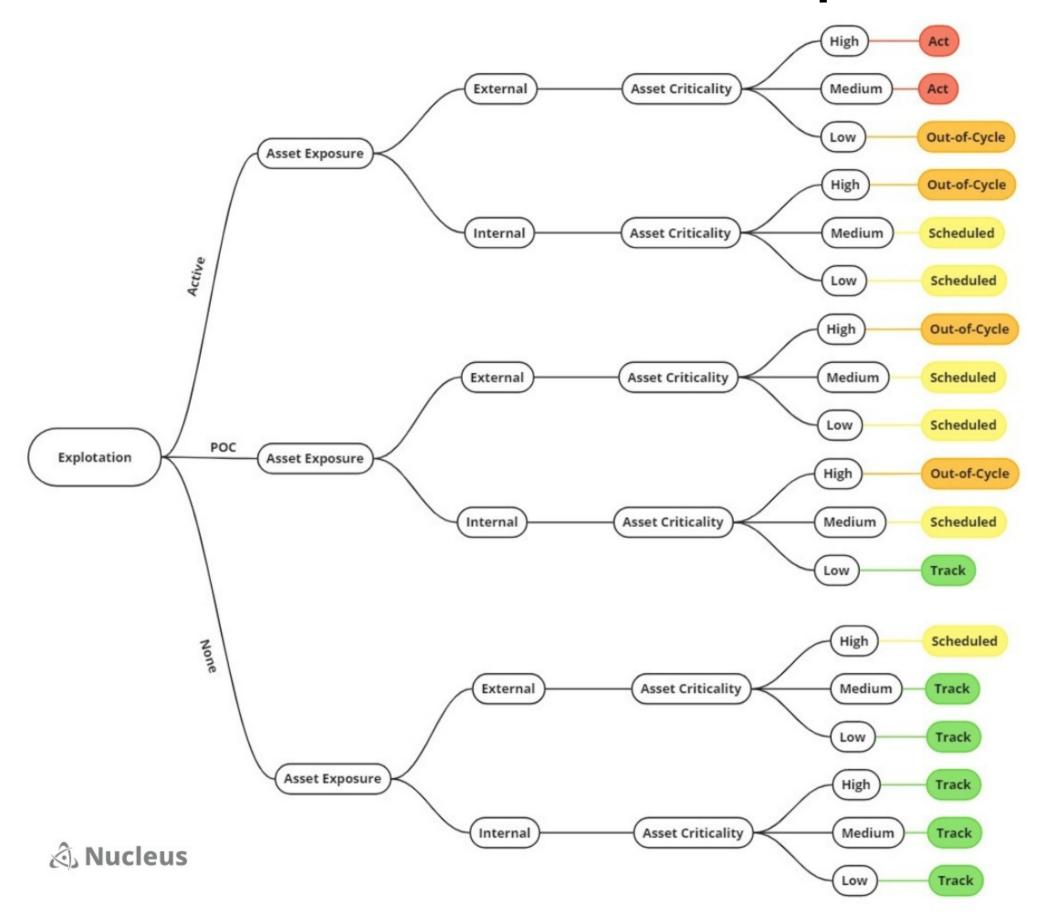
Stakeholder Specific Vulnerability Categorization (SSVC)

SSVC Vulnerability Prioritization Pyramid



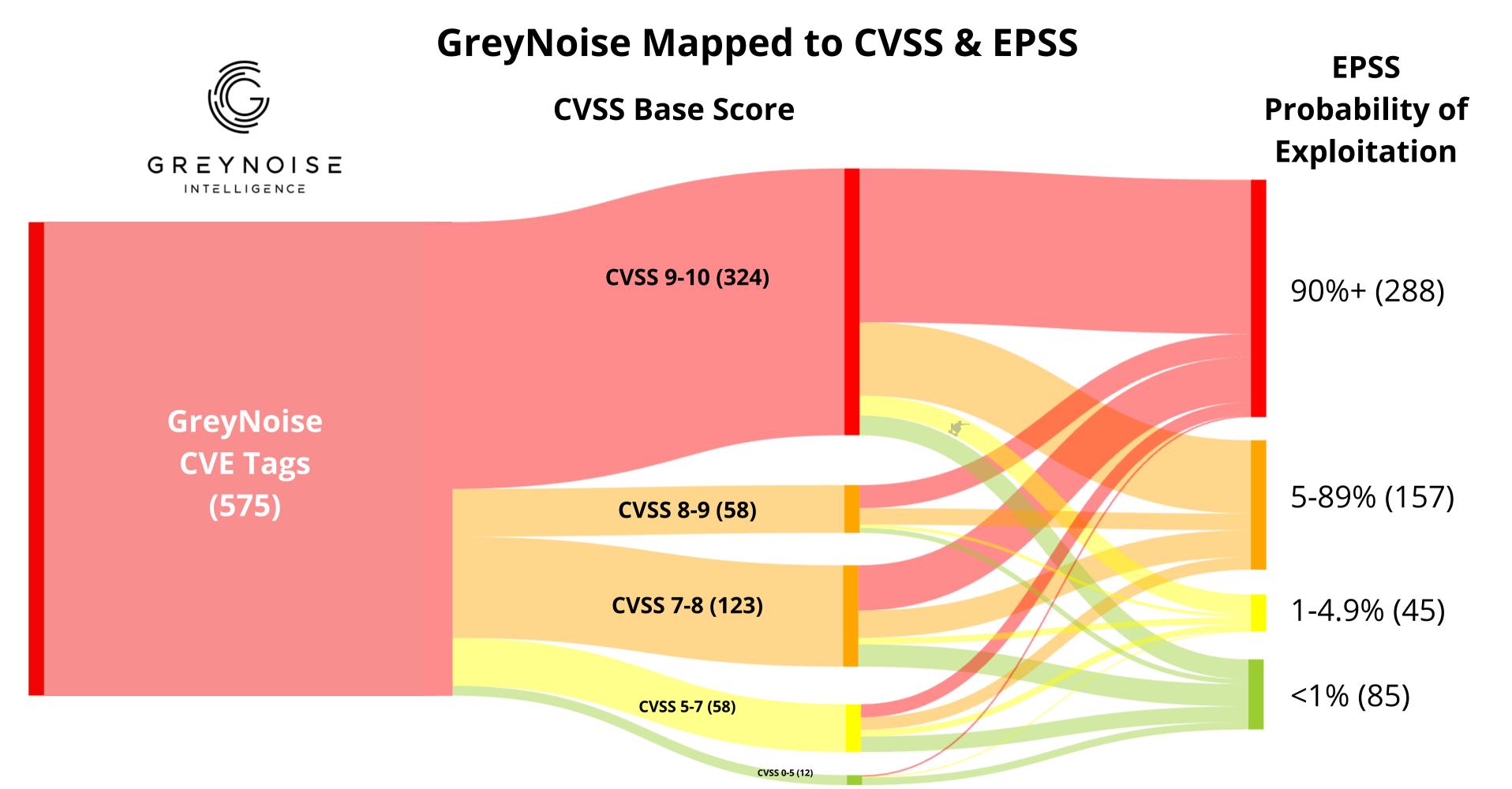


SSVC Decision Tree Example





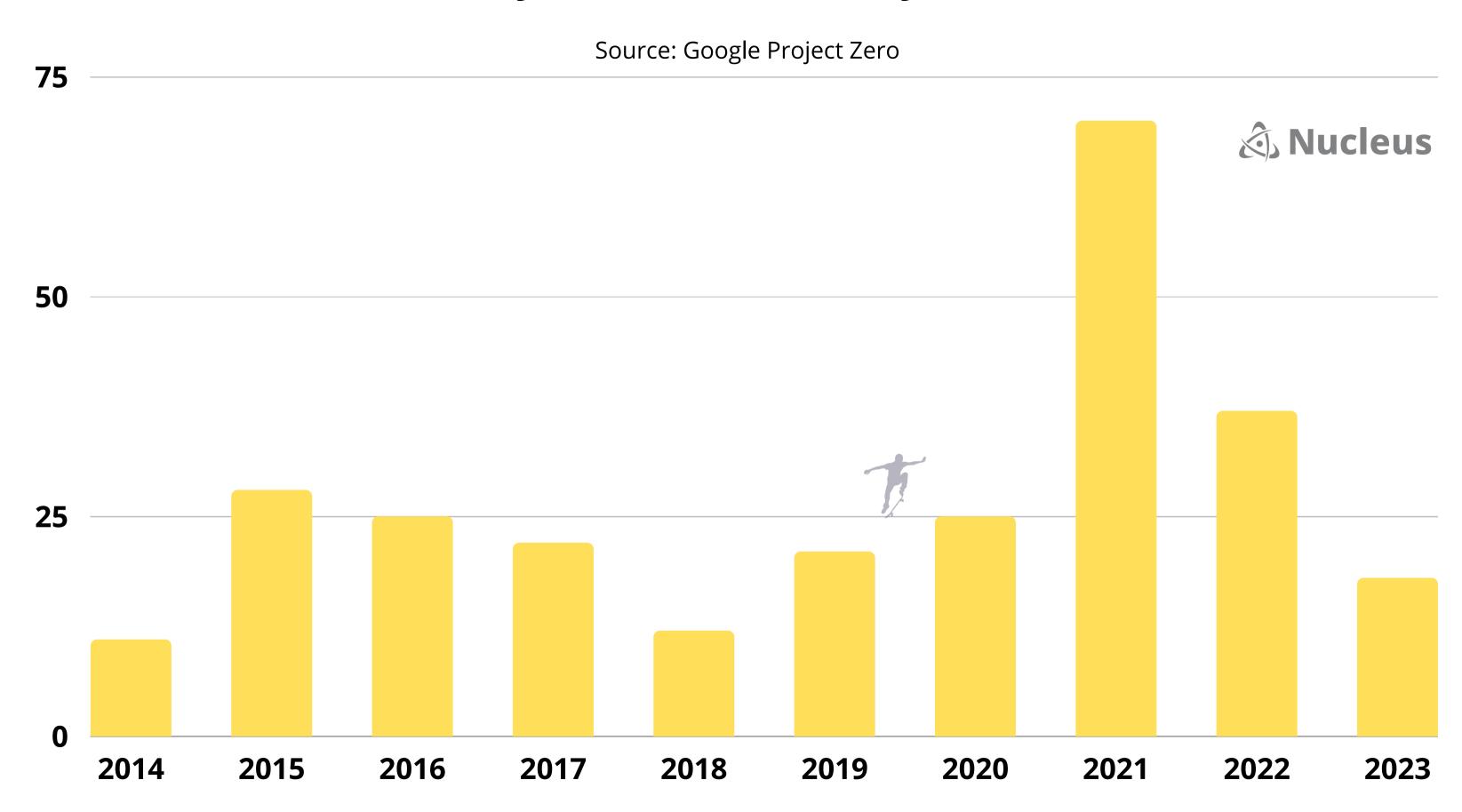
GreyNoise



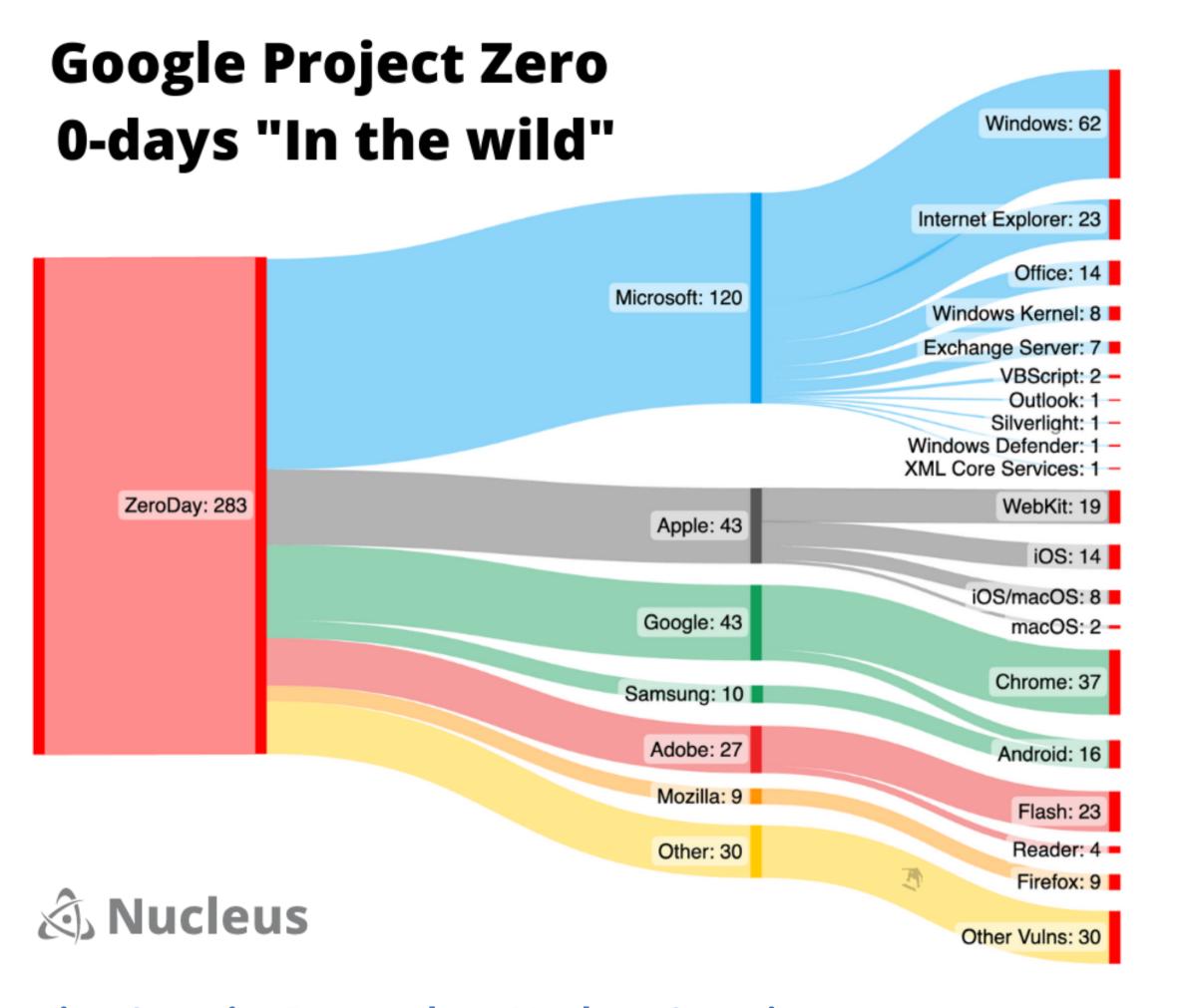


Zero Days

Zero-Day Vulnerabilities by Year (269)









Security Team Considerations / Processes

Enterprise Vulnerability Management Responsibility Matrix

