



September 28 - 29, 2022

Orlando, Florida

Using SBOMs to Secure Your Software Supply Chain

Optional Subtitle

Workshop Presenters



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Senior DevSecOps Engineer,
Public Sector

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Solutions Engineer



Agenda



1

**Why a software
bill of materials is
important**

2

**How to automate
generation and
management of
SBOMs in your
Jenkins pipelines**

3

Q & A

Unrelenting Risk: Software Supply Chain Attacks



CYBERSCOOP

SolarWinds hackers had access to Denmark's central bank, report says

Codecov Supply Chain Attack Remained Undetected For Months and Potentially Affected Major Companies Including Google, IBM, HP, and Others

The rise and rise of supply chain attacks

ComputerWeekly.com



Kaseya supply chain attack impacts more than 1,000 companies

threatpost

Monumental Supply-Chain Attack on Airlines Traced to State Actor

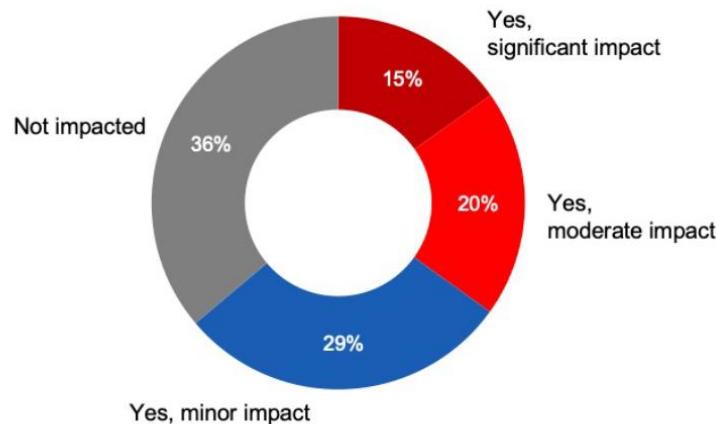
SolarWinds Hackers Continue Assault With a New Microsoft Breach **WIRED**



Broad Impact: Software Supply Chain Attacks

Affected by Software Supply Chain Attack in Last 12 Months

% of respondents



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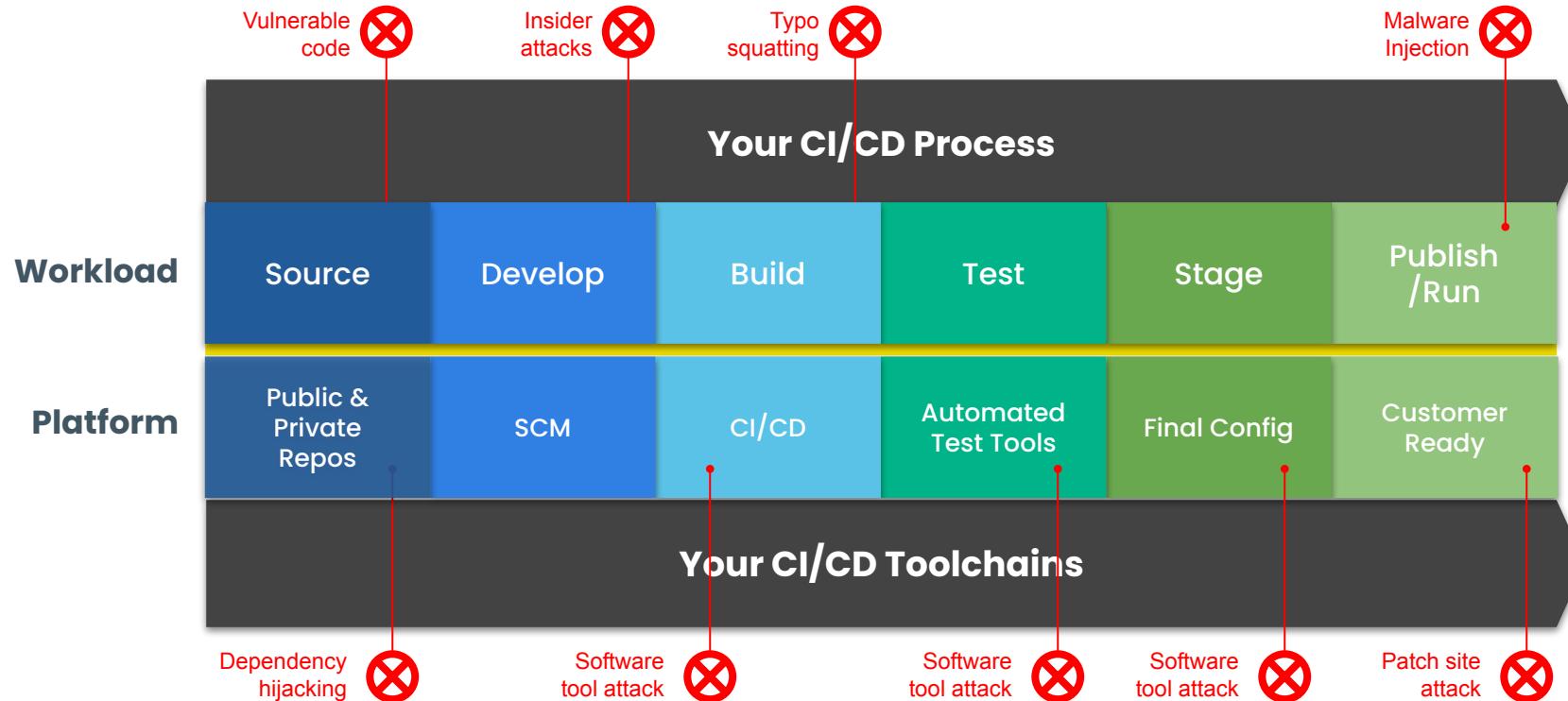
Anchore 2021 Software Supply Chain Security Report

64% of enterprises were impacted by a software supply chain attack in the last year

- SolarWinds – 18,000+
- Codecov – hundreds
- HAFNIUM – 30,000 (us)
- Kaseya – 1,500



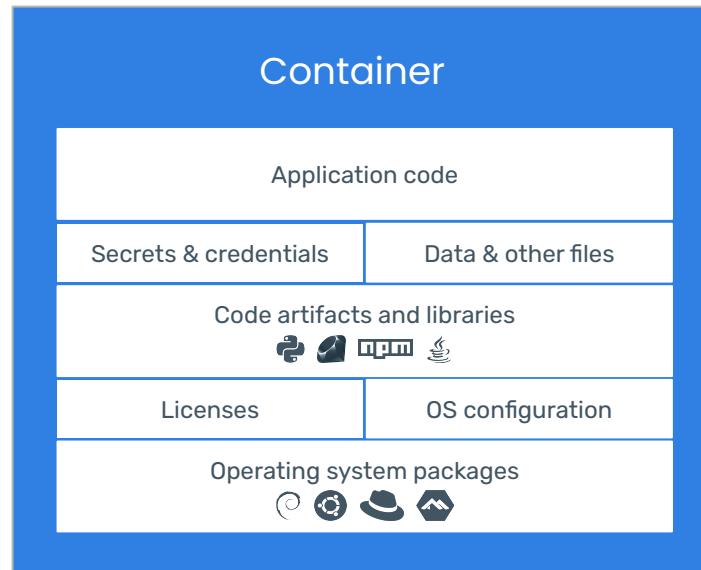
Why Focus on Software Supply Chain?





Everything is Containerized

...an easy way
to package
and deliver



...a potential
source of
security risks

SBOM and the DevOps Ecosystem



How Syft Can Help



What is Syft

- Open source CLI tool and library for generating SBOM
- Can analyze container images and file systems
- Registry
- Local docker daemon
- Docker/OCI archive
- Can analyze a directory on disk
- Multiple output formats (list, JSON, CycloneDX)

How to use

- Generate SBOM during CI/PR process
- As a permanent record of what was in a build
- Ad-hoc analysis of 3rd party images



Workshop

<https://github.com/pvnovarese/2022-09-devops-world-sboom-workshop>

anchore

Resources



Anchore 2021 Software Supply Chain Security Survey Report:

<https://get.anchore.com/survey/>

Syft OSS tool

<https://github.com/anchore/syft>

Grype OSS tool

<https://github.com/anchore/grype>

More about Anchore www.anchore.com



anchore

A large black circle containing the text 'DevOps' in a large, bold, white sans-serif font, with 'WORLD' in a slightly smaller white sans-serif font directly below it. To the left of the circle is a cyan chevron pointing left, and to the right is a cyan chevron pointing right.

DevOps
WORLD

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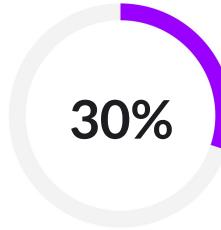
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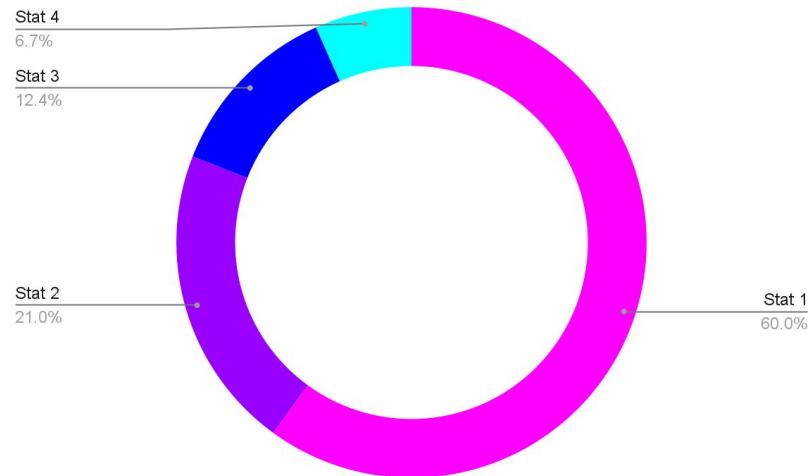


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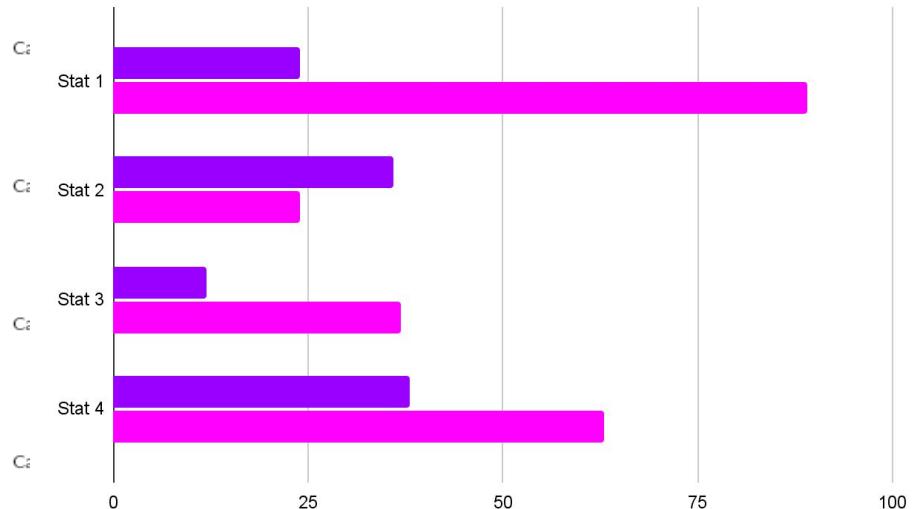
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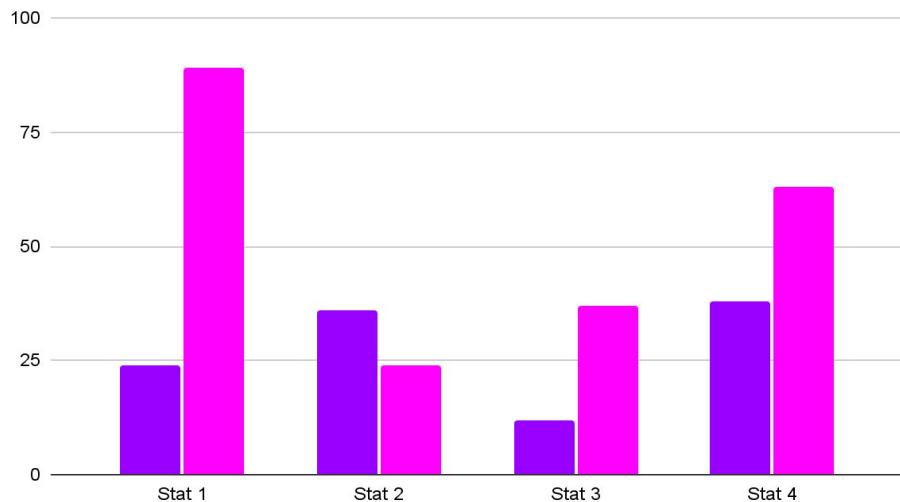
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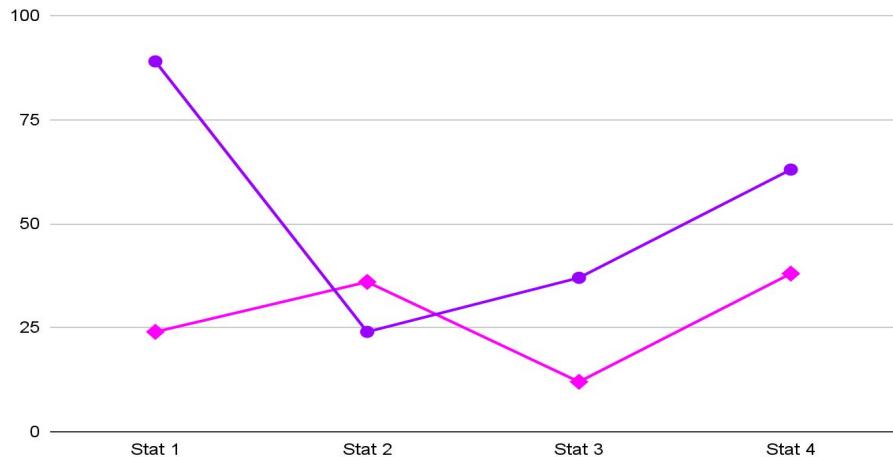
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