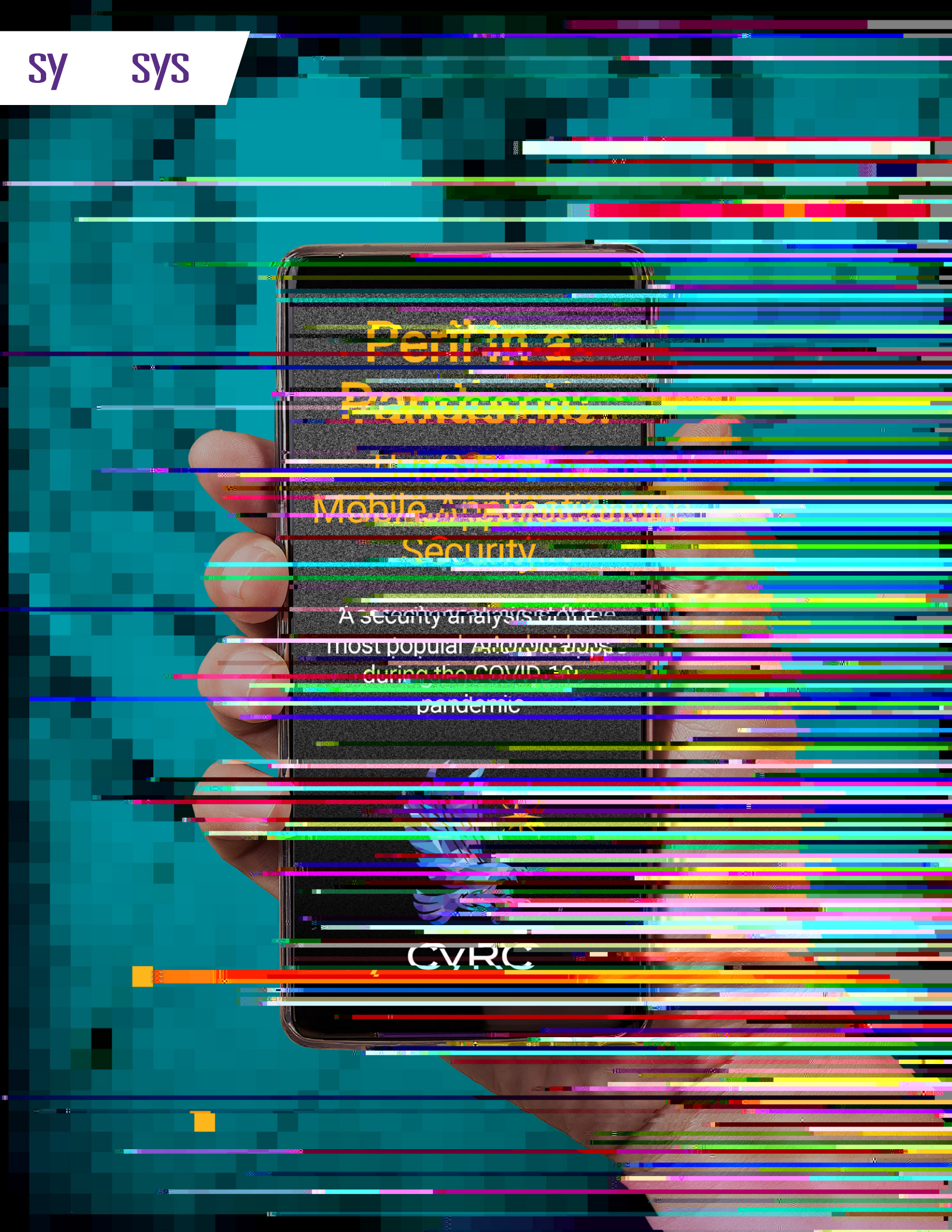


# Perfum 2: Pandemic

## Hypothesis Of Mobile Application Security

A security analysis of the most popular Android apps during the COVID-19 pandemic

CVRC

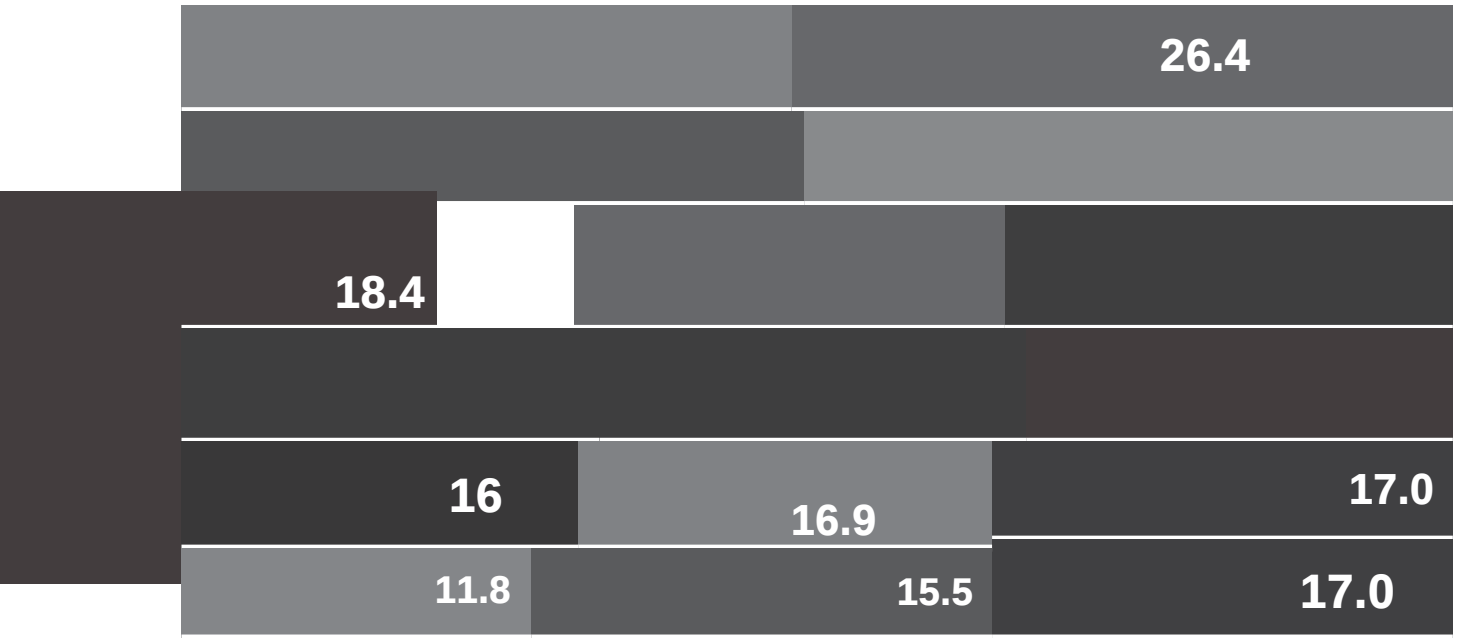
# Table of contents

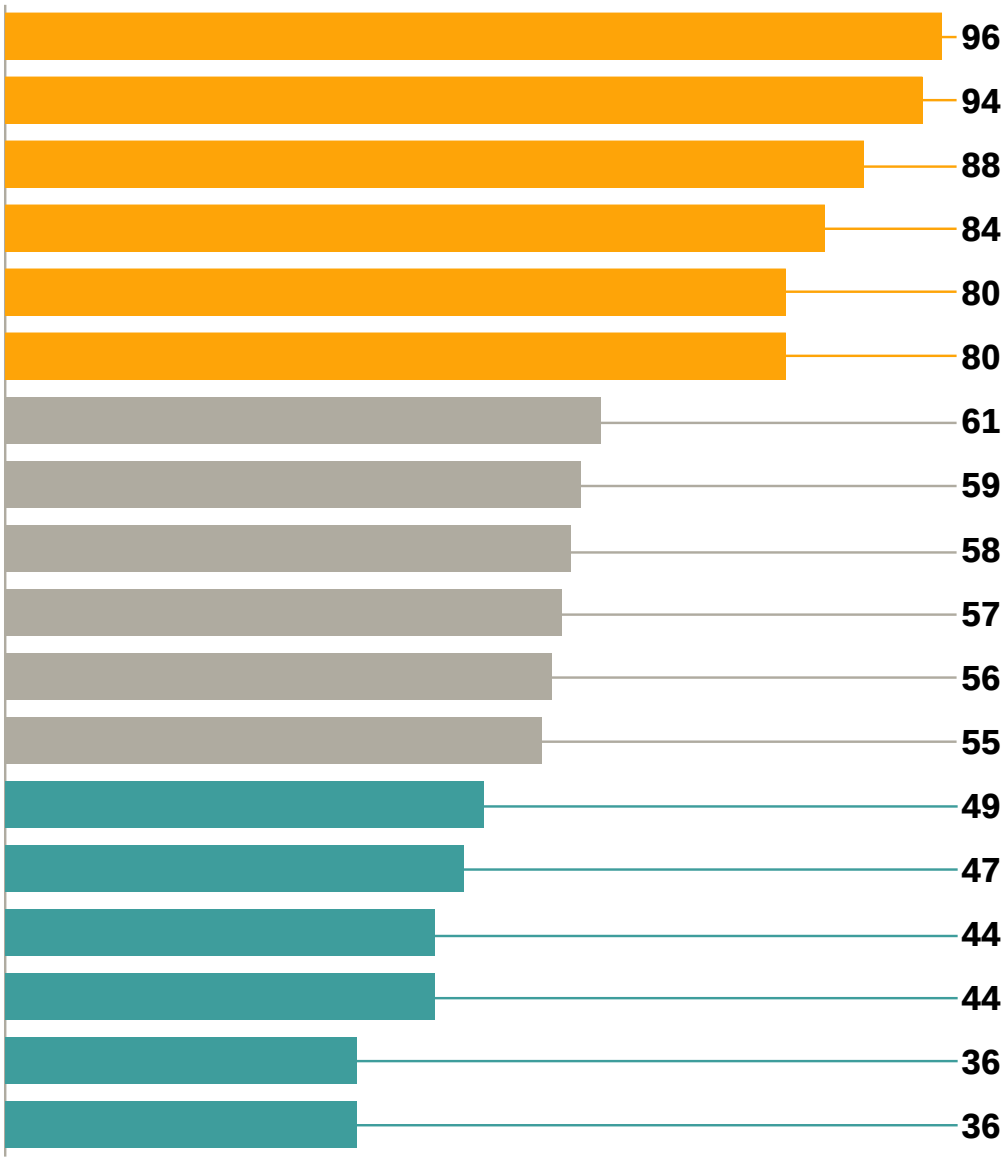
# Peril in a Pandemic: The State c-0.776 -1.883 l-0.421 c-0

## Number of apps scanned, by category

**150**

## Average number of open source components per app, by category

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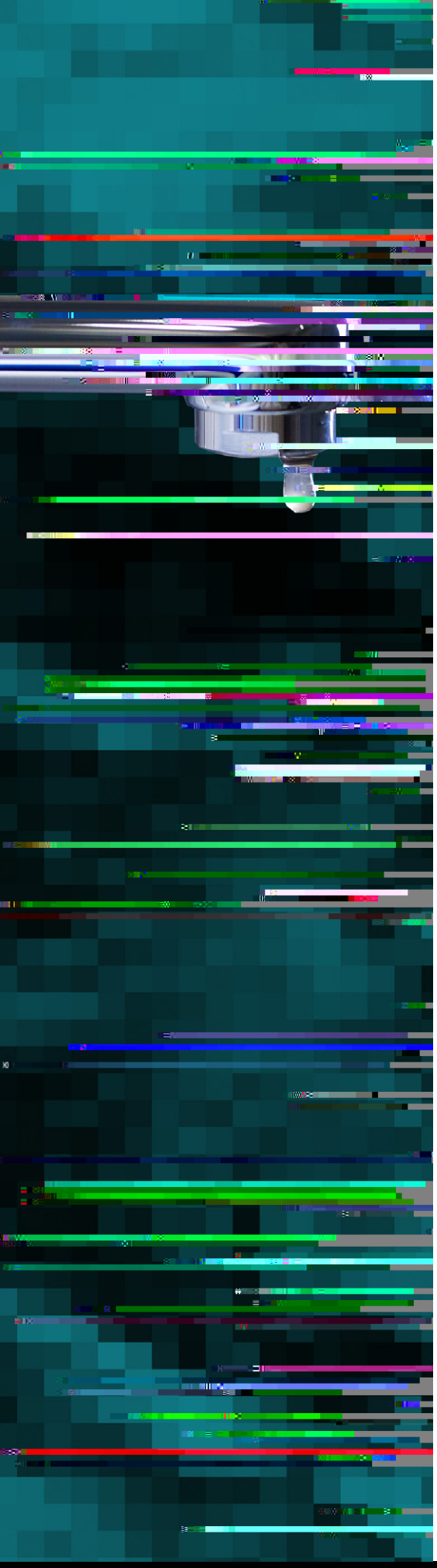
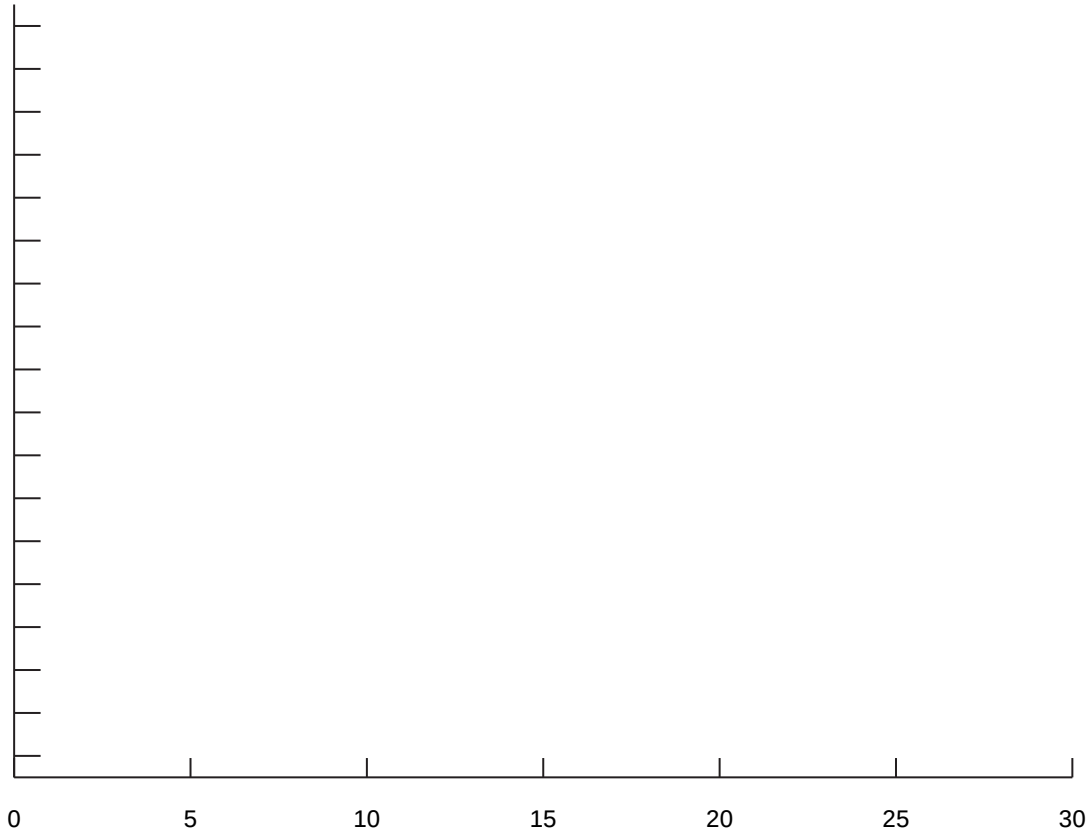


## Information leakage findings

**Tokens, keys, and passwords:**

## Mobile permissions findings




**Detailed mobile permissions findings**

After conducting the analysis, the CyRC determined that in total, 111 applications required far more permissions than the average of 18 per application (about 3% of our study group).

## The Synopsys difference

Synopsys helps development teams build secure, high-quality software, minimizing risks while maximizing speed and productivity. Synopsys, a recognized leader in application security, provides static analysis, software composition analysis, and dynamic analysis solutions that enable teams to quickly find and fix vulnerabilities and defects in proprietary code, open source components, and application behavior. With a combination of industry-leading tools, services, and expertise, only Synopsys helps organizations optimize security and quality in DevSecOps and throughout the software development life cycle.

## About the CyRC

The Synopsys Cybersecurity Research Center (CyRC) works to accelerate access to information around the identification, severity, exploitation, mitigation, and defense against software vulnerabilities. Operating within the greater Synopsys mission of making the software that powers our lives safer and of the highest quality, the CyRC helps increase awareness of issues by publishing research supporting strong cyber security practices.

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