

Concentration and

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SAP Security 101 | 5 Things Every Leader & Organization Should be Doing to Secure SAP

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# **Global Cloud ERP Market**



**\$45.3** BILLION IN 2020

**\$101.1** BILLION IN 2025



Experts predict that the cloud ERP market will grow at a CAGR of 17.4% from 2020 to 2025

Sources: Markets and Markets



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# Cost of a Data Breach

Data breach costs surged 13% from 2020 to 2022.



Breaches at organizations leveraging AI and automation tools cost USD 3.05 million less than at organizations without those tools.



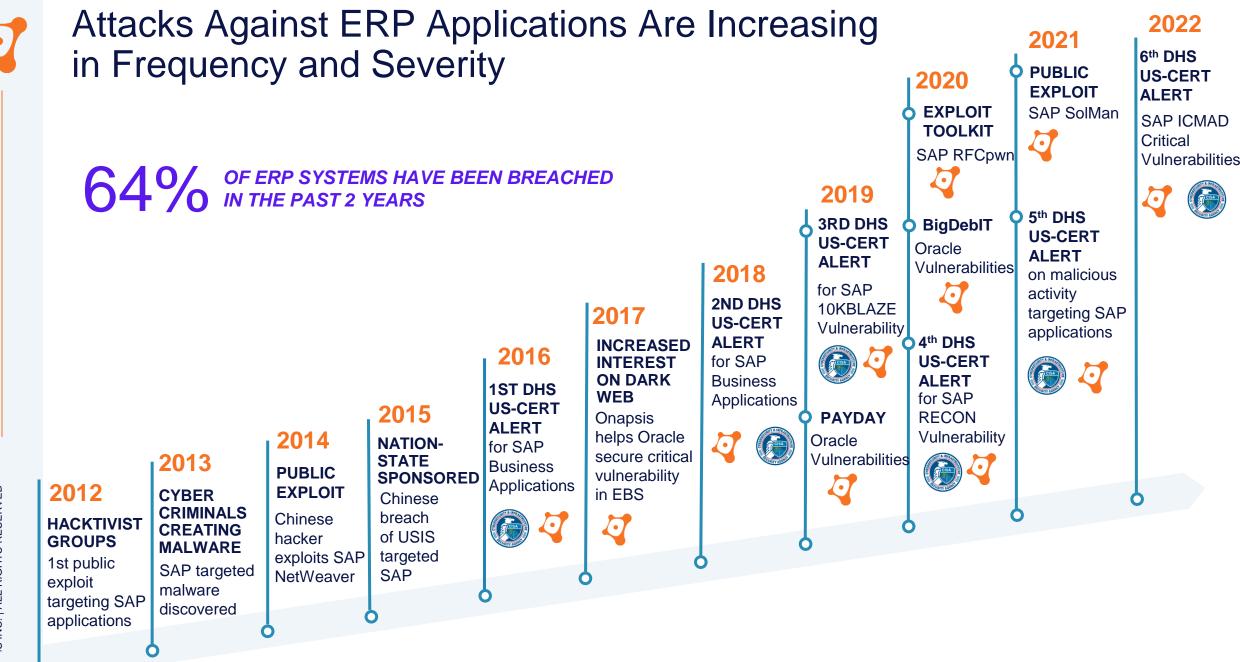
Organizations that have an incident response (IR) team and regularly test their IR plan saved on average USD 2.66 million.



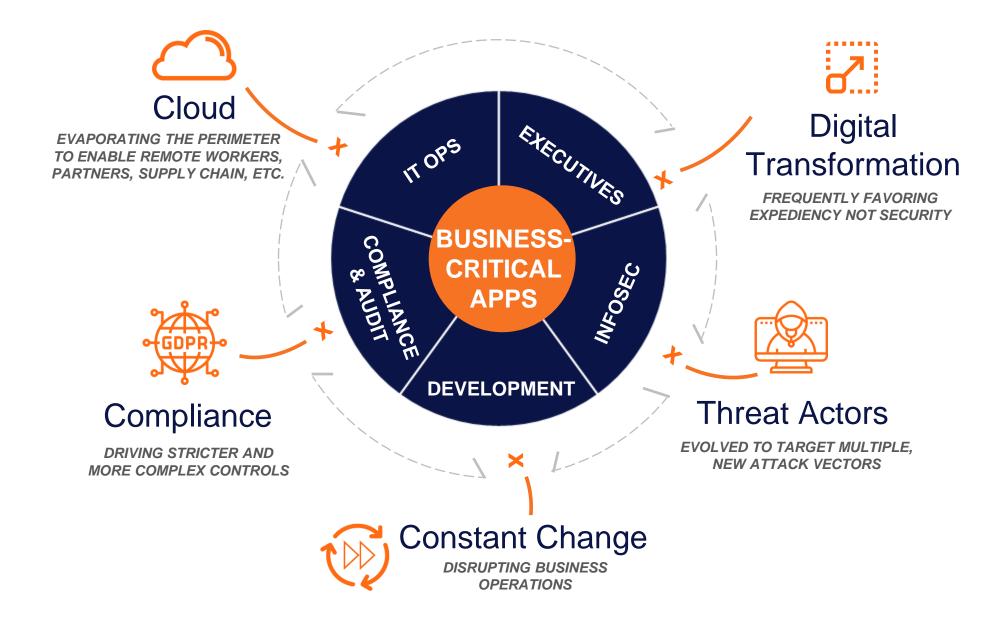
Organizations that have implemented a zero trust architecture have an average of USD 1 million less in breach costs



Extended detection and response (XDR) technologies helped save an average of 29 days in breach response time

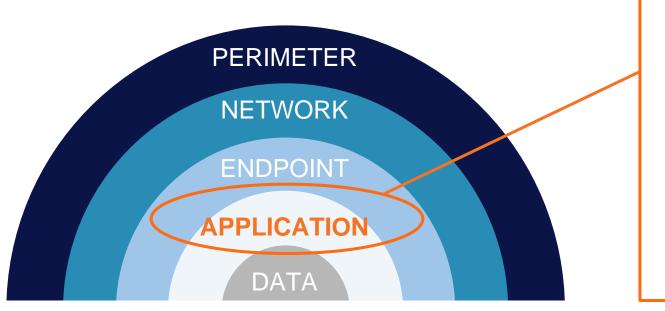


## Modern Enterprises Are Facing a Perfect Storm of Complexity...





...And Are Overly Reliant on **Traditional Defense-in-Depth** Models That Surround But Don't Secure ERP Systems



- Attacks on the application layer are the #1 concern of CIOs, YoY
- Over 70% say their application portfolio has become more vulnerable in the past year
- Almost two-thirds of organizations have a backlog of app vulnerabilities

# This Means We May Have a Gap with Understanding The **True Risk** to Our ERP Systems...and Our Organization

#### **Vulnerabilities?**

- ERP systems are frequently managed by other teams, with little to no visibility for InfoSec
- More processes moving to SaaS applications
- Increasing reliance on code or apps developed by contracted third-parties

#### **Threat Monitoring?**

- No meaningful monitoring of ERP, with little to no visibility for the SOC
- Reliance on manual log reviews to identify threat activity in ERPs
- No ability to establish compensating controls

#### **Code Security?**

- Security is frequently "bolt on" and not "built in"
- Reliance on manual code reviews
- Problems aren't identified until they hit production

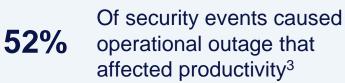
# What Happens If You Don't Fix This?

#### **Data Loss or Breach**

**74%** Of breaches involved access to privileged account<sup>1</sup>

**28%** Of breaches are due to missing application patches<sup>2</sup>

#### **System Outages**



#### over

\$50k/

hour

Average cost of ERP application downtime<sup>4</sup>

#### **Compliance Findings**



Average yearly cost of business disruption due to non-compliance<sup>5</sup>



Average yearly cost of fines and penalties due to non-compliance<sup>5</sup>

#### **Project Delays**

**52%** Of cloud migrations are delayed due to security concerns<sup>6</sup>

#### **Reputation Damage**

**7.3%** Average decrease in stock price following a security breach<sup>7</sup>

<sup>1</sup>Centrify <sup>2</sup>DarkReading <sup>3</sup>Fortinet <sup>4</sup>Onapsis <sup>5</sup>Ascent <sup>6</sup>TechRepublic <sup>7</sup>Forbes

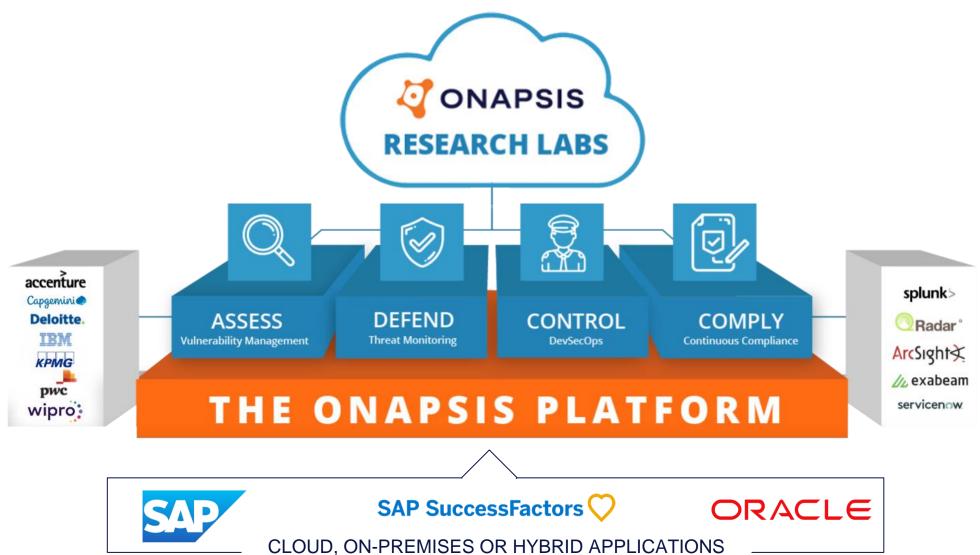
# Some Questions to Ask Yourself...

- Do you have a true understanding of your real risk profile for your organization?
- Are you getting any / the right visibility into your ERP applications, such as SAP or Oracle, to help you manage risk and secure the business?
- Does your organization's security team have the right resources who can understand "the language of ERPs"?
- Has continuous monitoring of threats (both internal and external) in the ERP application been properly established?
- Have you determined what tools should be implemented to monitor specific financial reporting systems?
- Do you have a schedule for reviewing and implementing critical security patches for your ERP applications?
- Are cybersecurity controls established for the customized code used in ERP applications for reporting?
- Is there mapping in place for key cybersecurity controls to regulation frameworks (e.g., SOX, PCI, GDPR)
- Are Audit, InfoSec and IT teams able to continually assess and test these controls to provide the right level of assurance?

## ...And Five Things To Do Today



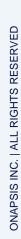
# ONAPSIS GIVES YOU THE VISIBILITY AND TOOLS YOU NEED TO PROTECT YOUR BUSINESS-CRITICAL APPLICATIONS



# Stay Ahead of the Threats With The World's Leading Researchers: **ONAPSIS RESEARCH LABS**

- Onapsis products automatically updated with latest threat intel and security guidance
- Receive advanced notification on critical issues and improved configurations
- Get pre-patch protection ahead of scheduled vendor updates





COMPANY 2K Employees \$2B revenue

INDUSTRY Energy

"

- CISO

Onapsis removes the mystery around SAP security by increasing visibility. We can see ...misconfigurations, missing patches or unusual user activity what risk they post and how to fix them

# Fortune 500 Utility Company

**CHALLENGE:** A labor intensive patch and vulnerability management process created visibility and security gaps within SAP for a small team

**SOLUTION:** Onapsis Assess and Defend to scan and continuously monitor its SAP environment for vulnerabilities, misconfigurations, missed patches, and new threats.

**RESULT:** Gained visibility into SAP, including activity of third party contractors; streamlined and automated the patch and vulnerability management process, allowing the team to scale and refocus



# **Thank You!**

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