

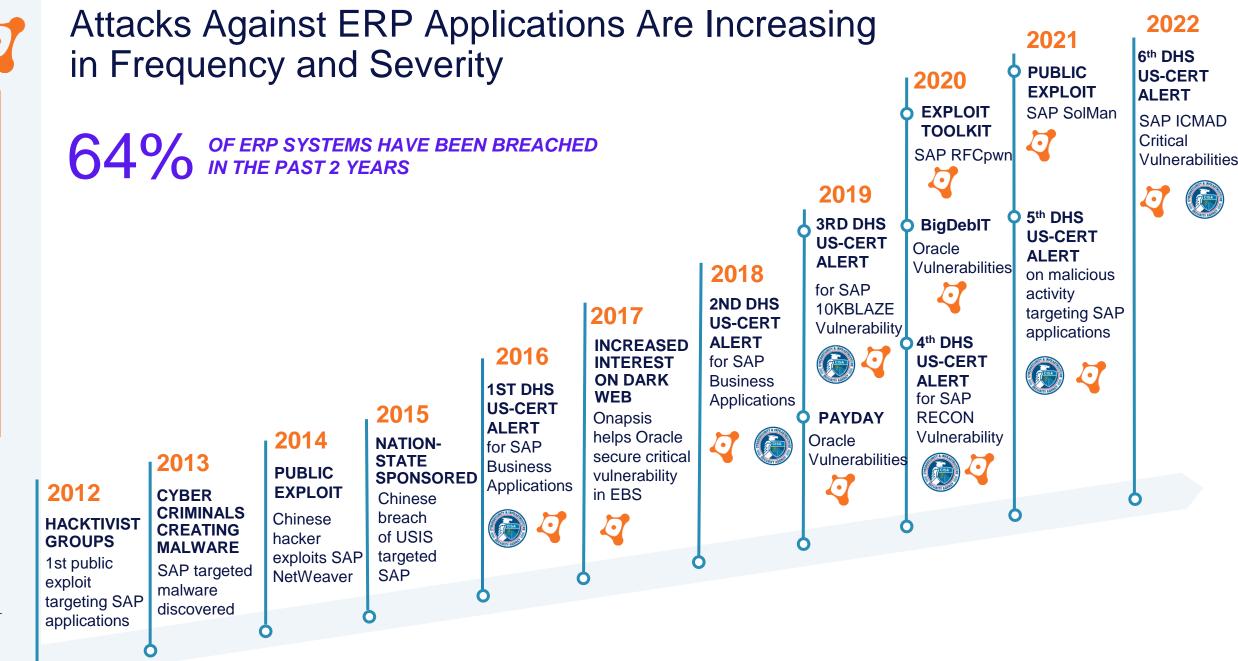
ERP Security 101: 5 Things Every Leader & Organization Should Be Doing to Secure ERP ASUG KENTUCKY CHAPTER EVENT

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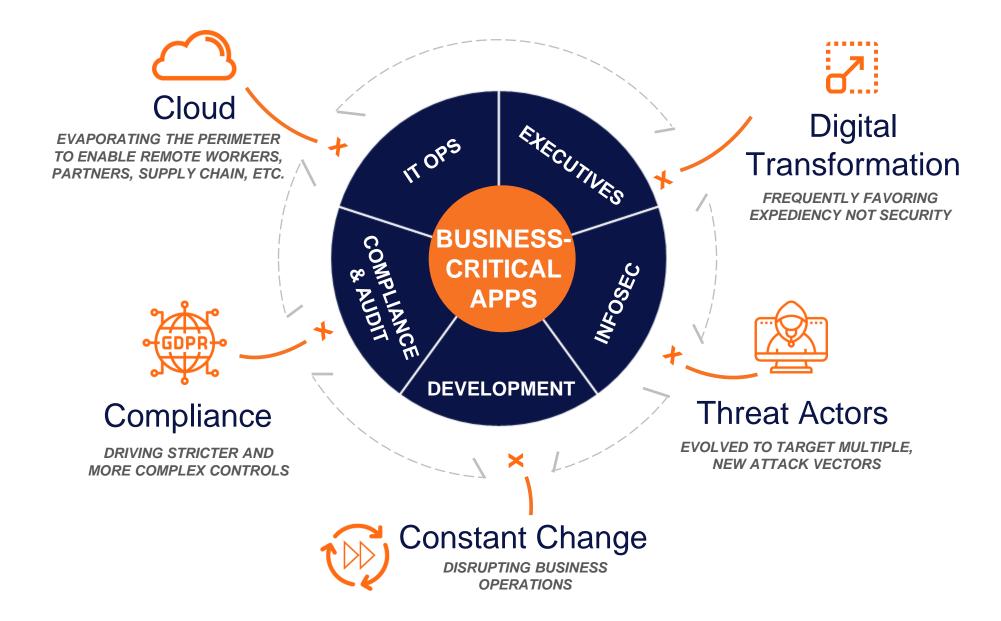
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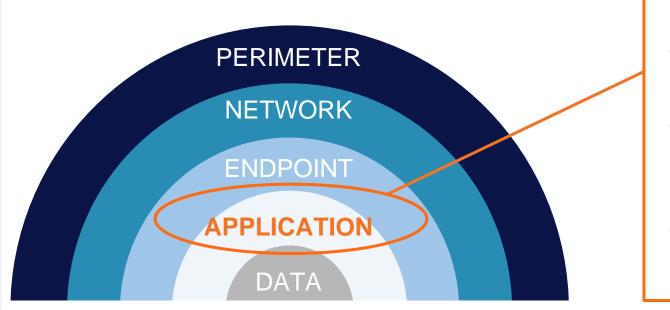
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Modern Enterprises Are Facing a Perfect Storm of Complexity...





...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

https://www.whitesourcesoftware.com/wp-content/media/2021/04/whitesource-ponemon-research-report.pdf



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 account¹

28% Of breaches are due to missing application patches²

System Outages

52% Of security events caused operational outage that affected productivity³

over

\$50k/

hour

Average cost of ERP application downtime⁴

Compliance Findings



Average yearly cost of business disruption due to non-compliance⁵



Average yearly cost of fines and penalties due to non-compliance⁵

Project Delays

52% Of cloud migrations are delayed due to security concerns⁶

Reputation Damage

7.3% Average decrease in stock price following a security breach⁷

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¹Centrify ²DarkReading ³Fortinet ⁴Onapsis ⁵Ascent ⁶TechRepublic ⁷Forbes

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

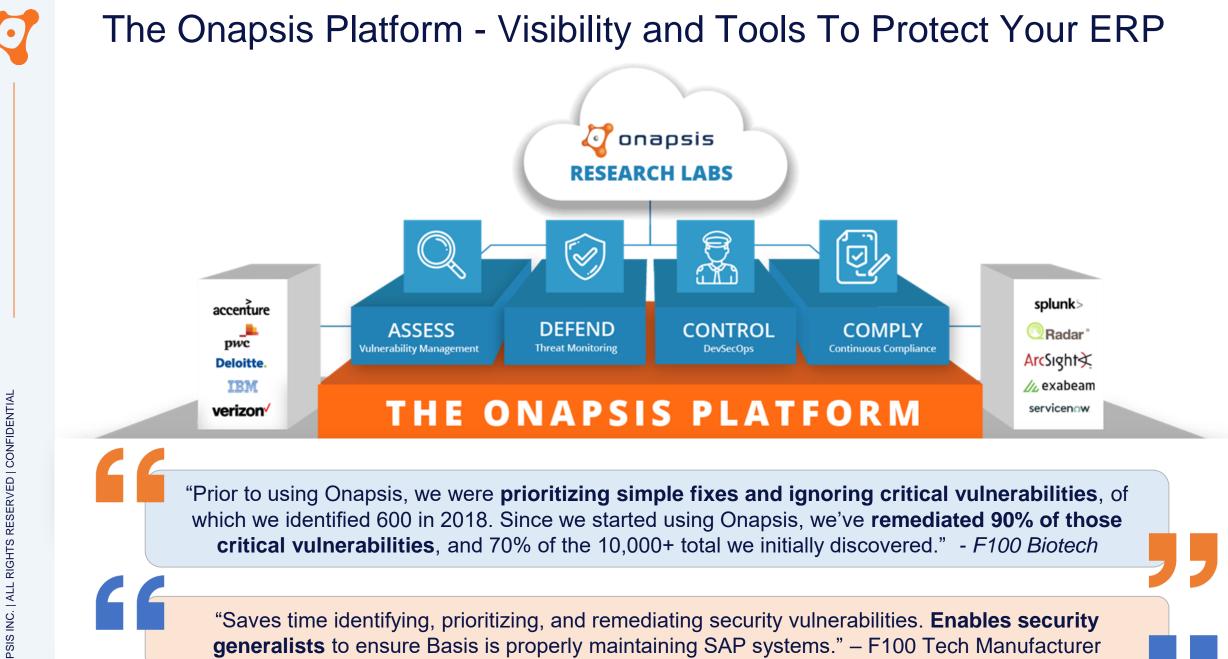
Treat Business-Critical Apps Like OT Critical Infrastructure Timely Patch Management Continuous Monitoring of Vulnerabilities and Threats to Your ERP Applications



Secure Your Custom Code in ERP Applications



Commit to Control and Governance



STAY AHEAD OF EVER-EVOLVING CYBERSECURITY THREATS WITH THE WORLD'S LEADING THREAT RESEARCH ON BUSINESS-CRITICAL APPLICATIONS

- 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



Of critical SAP Security Notes in 2021 were

influenced by Onapsis

Research Labs

US DHS critical alerts based on our research







vulnerabilities and attacks on business applications

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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