Vulnerability management consultancy

From Computacenter

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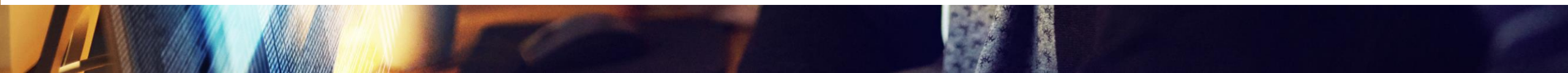
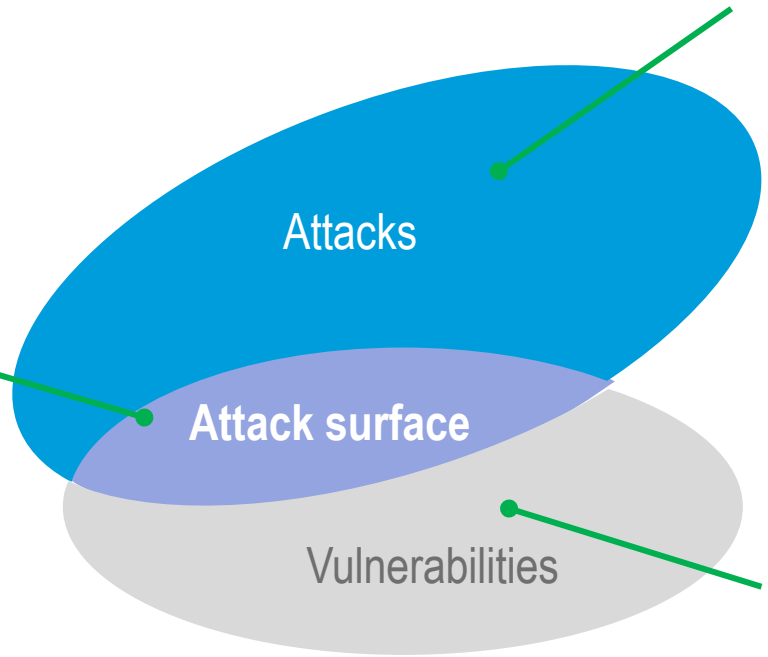


Vulnerability management

The objective of vulnerability management

The objective of Vulnerability Management is to reduce the attack surface



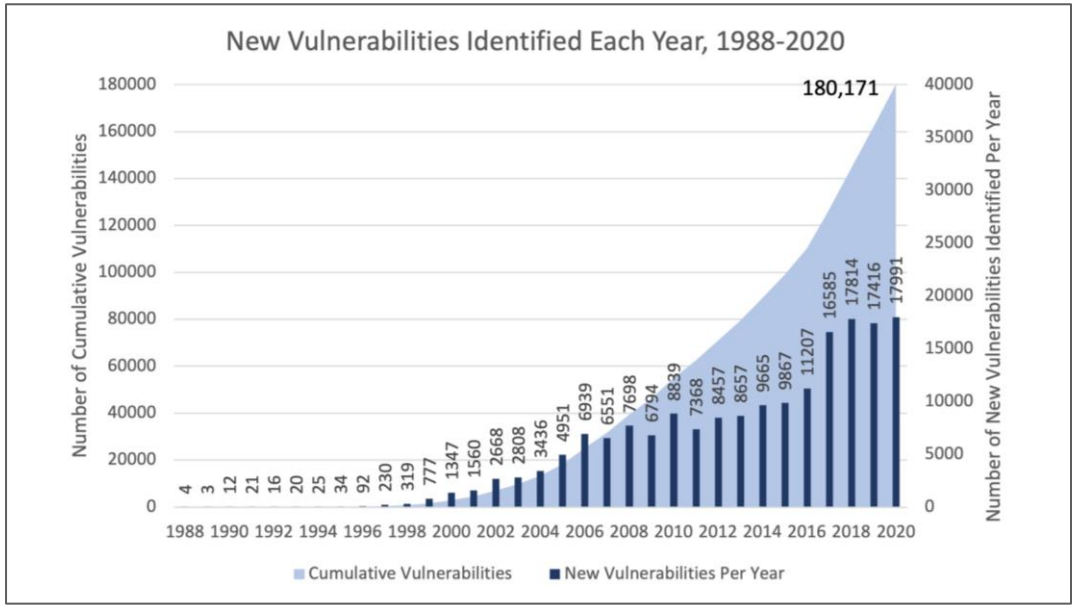
Attackers can exploit certain Vulnerabilities

There are many vulnerabilities that are easy to identify with scanners – not all of them are critical!

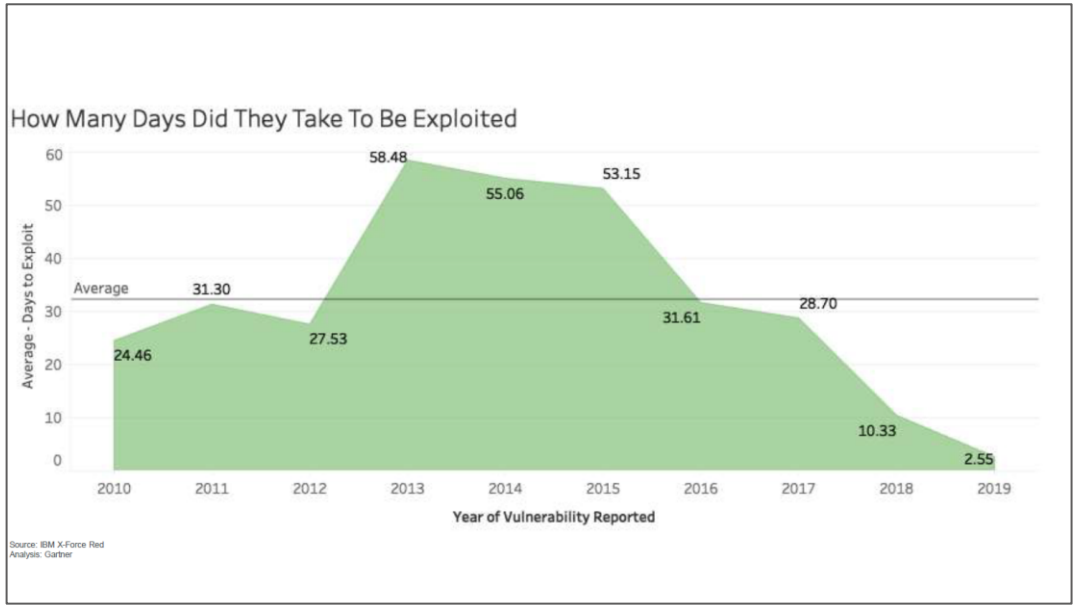
Vulnerability management

20,000 New vulnerabilities are discovered each year…

Number of new vulnerabilities



Time to exploit

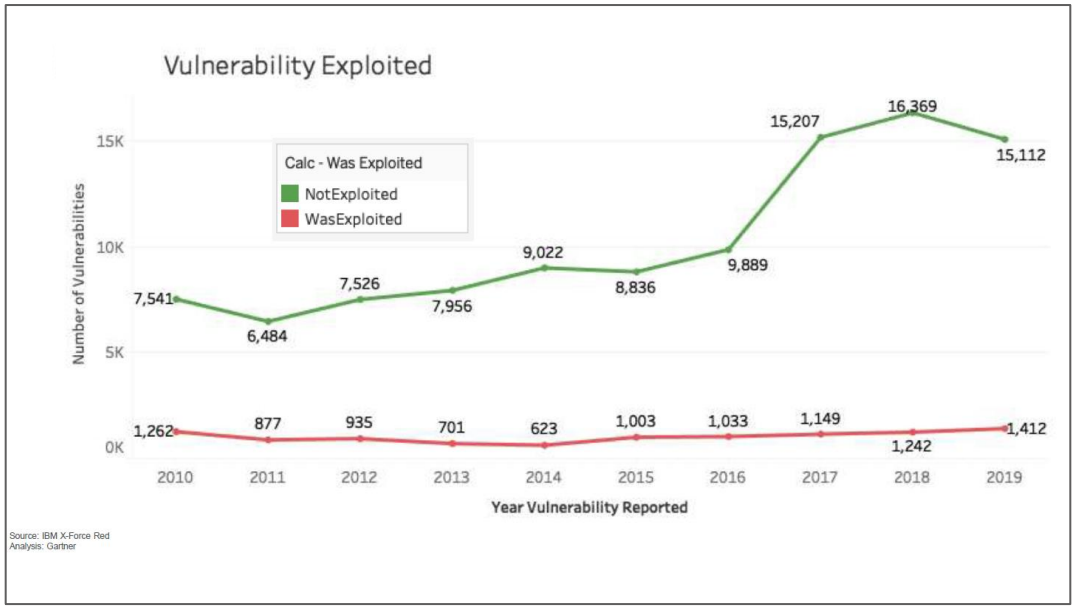


…and attackers only need a few days to exploit them.

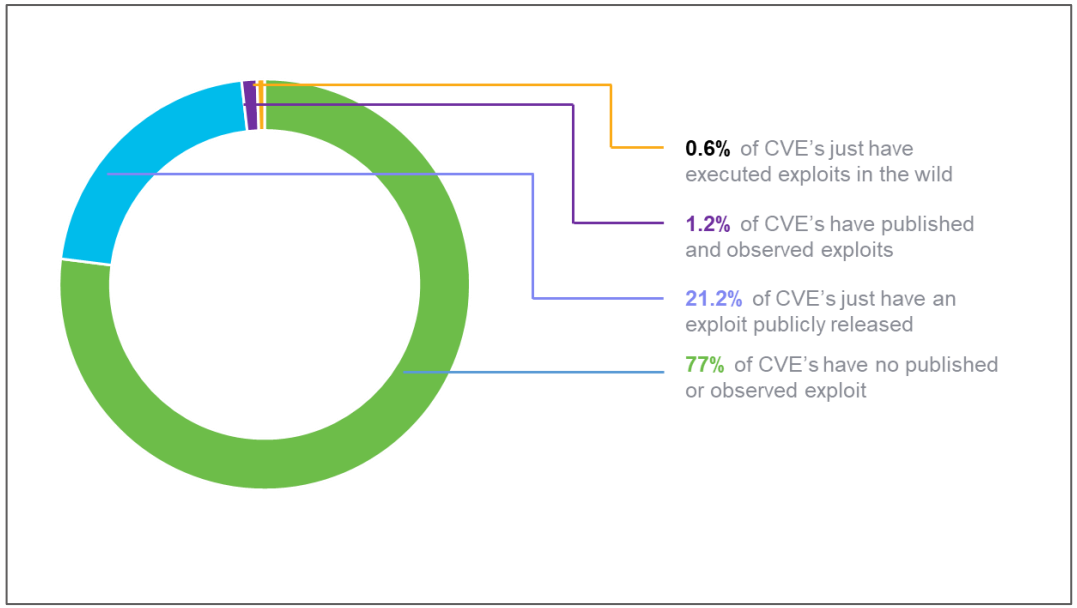
Vulnerability management

But not all vulnerabilities are critical

The number of exploited vulnerabilities is low



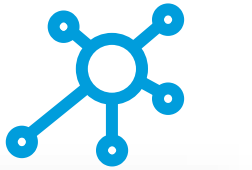
The number of critical vulnerabilities is even lower



Source: Cisco / Kenna

Vulnerability management

The challenge



One scan can result in 100,000's of vulnerability events

System owners are not always easy to identify

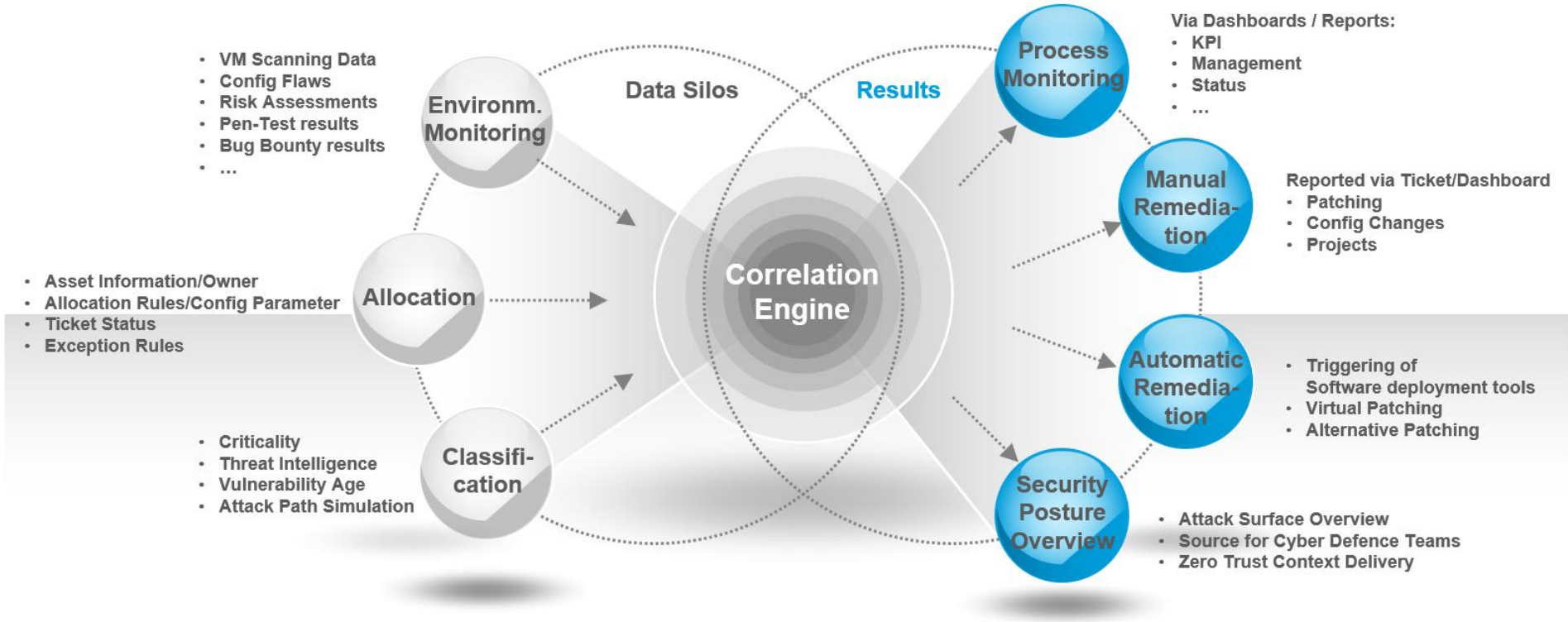
IT Operations have SLA driven goals that are incompatible with vulnerability resolution

There is an operational gap between the scan and the application of the patch

Vulnerability management

The answer?

Automated Vulnerability correlation engine



Vulnerability management

Computacenter service offerings

EVALUATION

- Delivered by expert professional service teams
- Assess current processes, deployed technology and risks
- Provide a detailed recommendation and overview of how correlation engine would support

IMPLEMENTATION

- Design and deployment of correlation engine technologies and process
- Integration of core systems (CMDB, ticketing etc) to enable automation
- Programming of interfaces & middleware

OPERATION

- Operational support (tracking, queries, report generation)
- Available using on prem engineering resources or nearshore / offshore remote support

Qualys.

tenable

TANIUM

servicenow

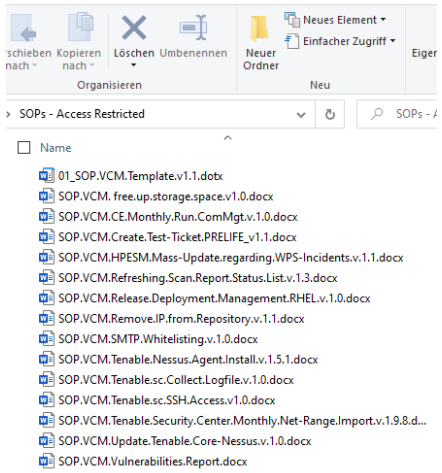
splunk>

Supported by our Vulnerability management toolbox

Pre-defined process standards

- Generic process blueprints
- Pen testing processes
- VM for Infrastructure
- VM for Applications
- Industrial Cyber Security

Pre-defined operating concepts

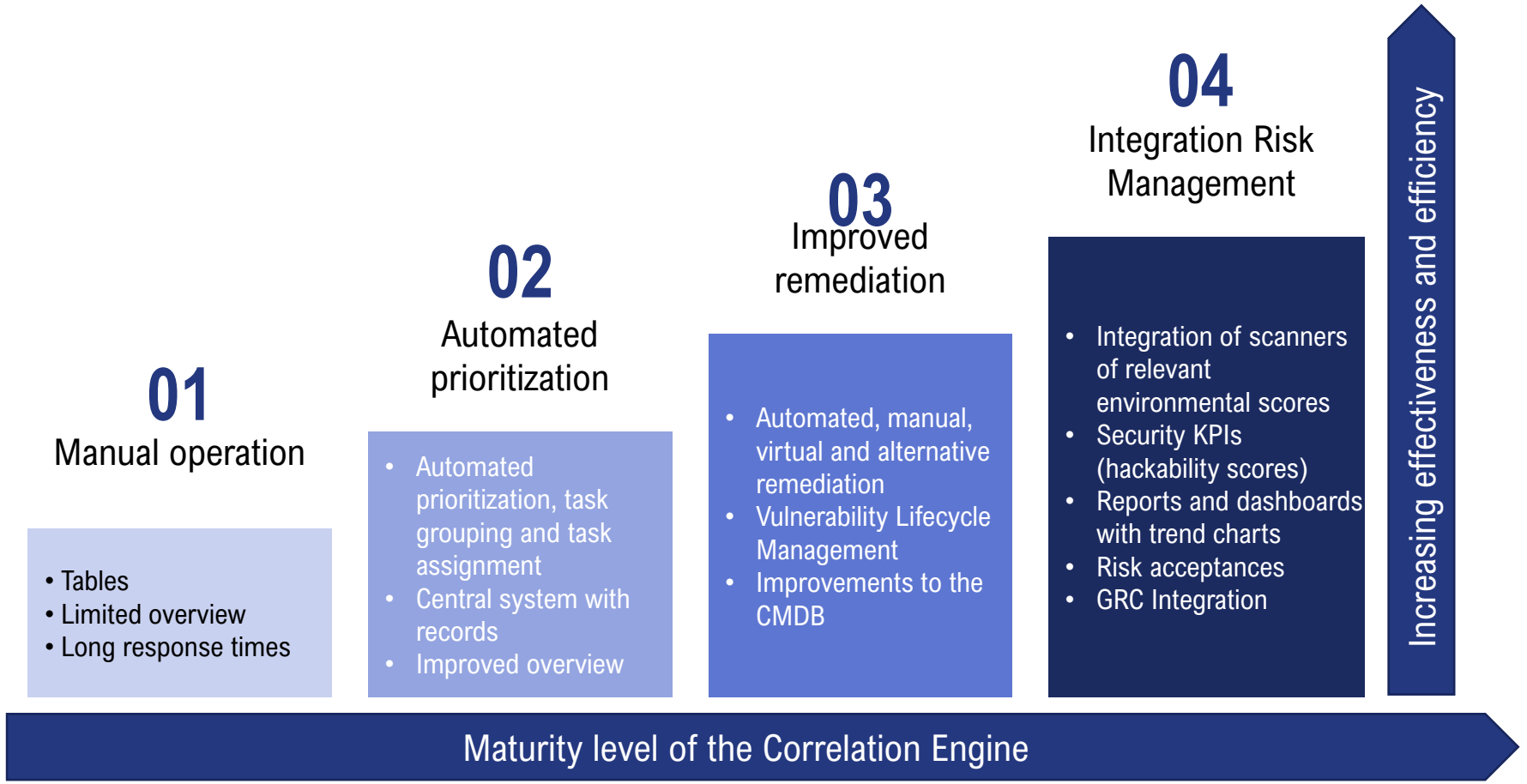


Standardised implementation steps

- Phase 1 - Basic installation (server and clients)
- Phase 2 - Integrate production
- Phase 3 - Integrate network devices & databases
- Phase 4 - Integrate perimeter scans
- Phase 5 - Integrate cloud scans
- Phase 6 - Integrate mobile device
- Phase 7 - Integrate compliance scans
- Phase 8 - Integrate pen test
- Phase 9 - Optimisation of remediation

Vulnerability management maturity levels

Roadmap



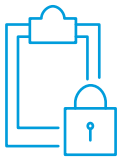
Benefits

Operational efficiency

- **Improved insight** – Assessment of multiple data sources to uncover detailed vulnerability data and business impact
- **Enhanced assignment** – more clarity around vulnerability ownership, and remediation priority
- **Asset Management** – Helps to discover unknown assets and can improve asset managment process

Enhanced remediation options

- **Virtual Patching** - Reduction of the attack surface through IPS signatures - integration with endpoint protection
- **Alternative patching** - Reduction of the attack surface through firewall rules and ACLs
- **Automated remediation** - Implementation of automated measures, configuration changes/restores



Enhanced compliance

- **Risk visibility** – Detailed reporting showcasing current vulnerability status and risk position to CISO
- **Compliance** – Regularory and compliance requirements easier to evidence and report
- **NIS2 regulation** – Addresses the NIS2 VM requirements that is applicable to all of Europe and some UK organisations.

Supports core zero-trust building blocks

- **Policy Decision Points** – Correlation engine provides critical risk and vulnerability context to inform access assessment decisions
- **Microsegmentation** - Microsegmentation integrated with vulnerability management platforms can visualize application workloads & their associated software vulnerabilities through a vulnerability map.

Thank you

Computacenter