WithSecure™ Elements
Cloud Security Posture Management

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Cloud Security Threat Landscape

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Cloud Transformation

Moving to the cloud solves many weaknesses of on-premises setups, but the new responsibility that companies face for securing their cloud environment is challenging:

Cloud platforms are developed at a very fast pace

Multi-cloud IT setups

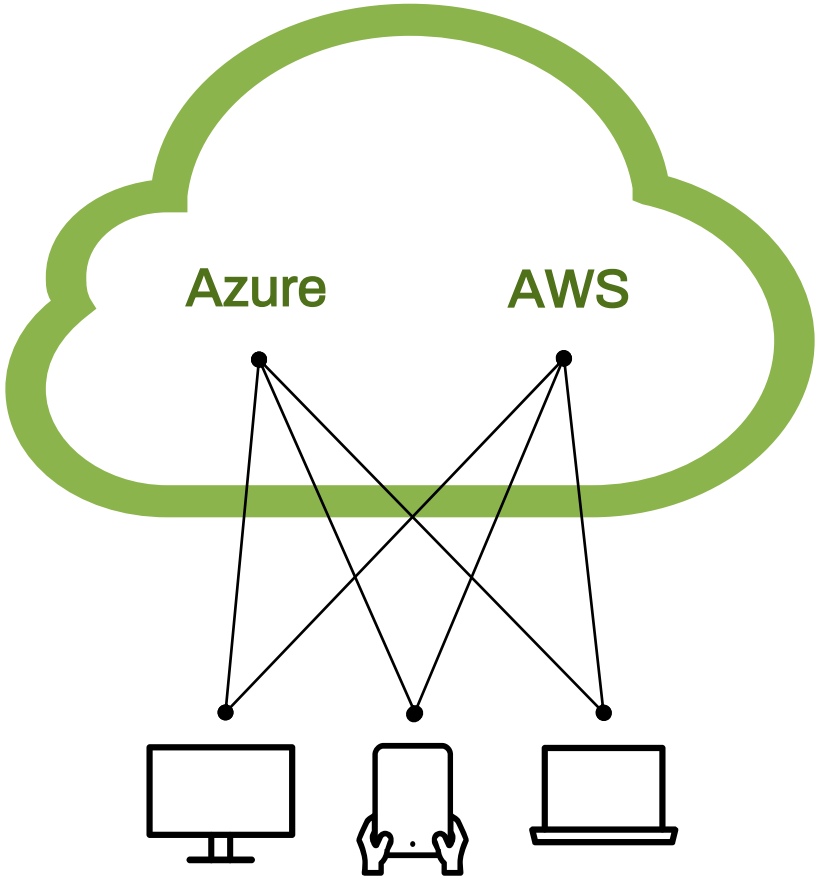
Scarcity of cloud security skills

Opportunistic cyber attacks look for mistakes

Complexity

Regulators, auditors and fines

Multi-cloud Infrastructure as a Service (IaaS) is here to stay…



…But the IaaS clouds need to be controlled responsibly

DevOps

- What tools and services do we have in the cloud?
- How should we harden the security of our cloud infrastructure?
- Do we have the right security policies implemented in the cloud?

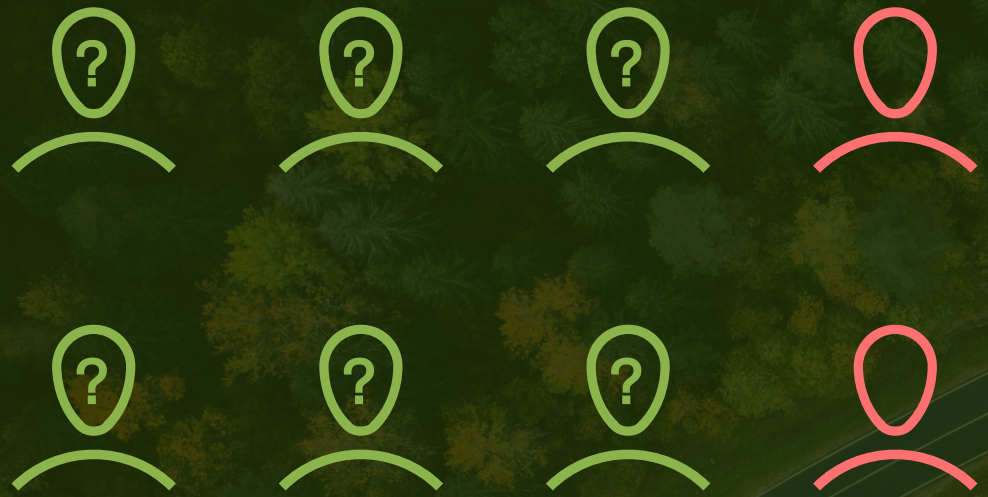
Security Specialist

- How can we track the security status of our cloud environments and alert of security issues?
- How can we prove to auditors that we have sufficient controls in place and that those are effective?

Through 2025, **90%** of organizations with insufficient public cloud controls will share sensitive data in inappropriate ways and customers themselves will cause **99%** of cloud security failures.

Gartner Article: “Is the Cloud Secure?”, 2019

In our 2022 B2B market research…



24% of companies detected at least one targeted attack involving their cloud platform(s) within the last 12 months.

24% of companies had detected misconfigurations within the last 12 months.

? Is it possible to know the real numbers, as many customers may not have even tried?

Source: WithSecure™ B2B Market Research 2022

Solution overview

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WithSecure™ Elements
Cloud Security Posture Management

Spot mistakes before attackers do

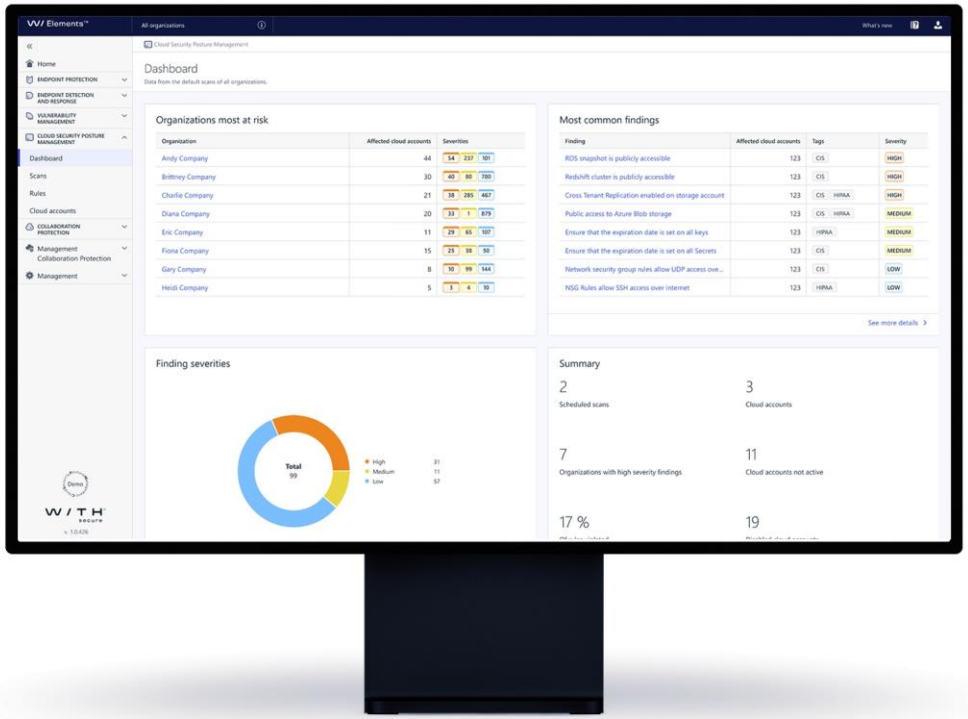
We cover end-to-end use cases and make the user's daily job easier with intuitive views summarizing the security posture, and clear flows which focus only on the essentials.

Identify misconfigurations quickly

We save customers' and partners' time through enabling efficient detection of misconfigurations. The scans are fast, and you can easily see the evolution of the remediations*.

Reduce risk, complexity, and inefficiency

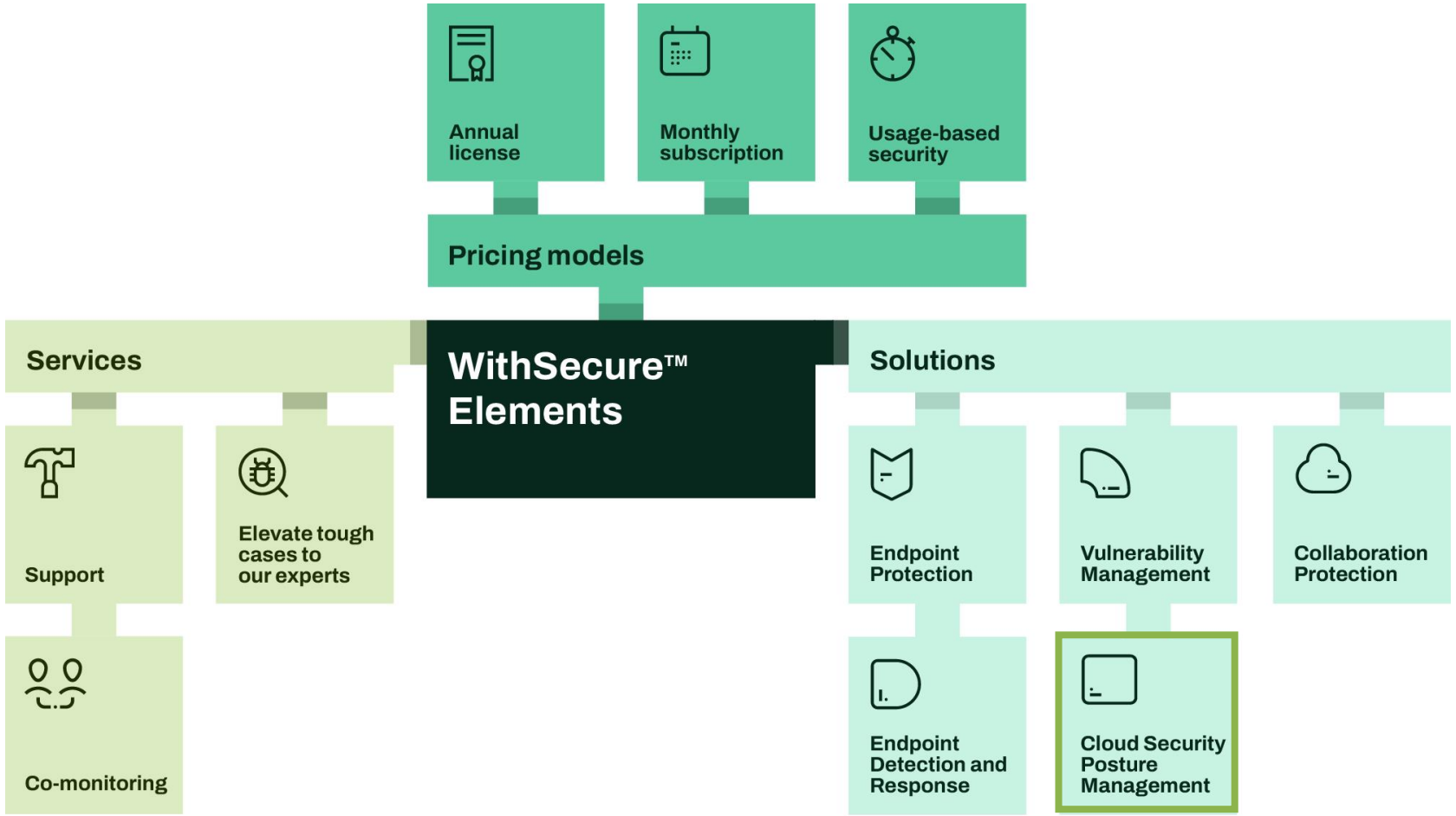
Prioritize remediation efficiently based on risk and effort level. Quickly remediate misconfigurations with helpful, actionable insights. Our visual reporting not only empowers administrators to make the changes that improve security posture the most, but also helps provide evidence to auditors and regulators.



* Evolution based on historical data will be available in the general availability version, during November of 2023.

Part of WithSecure™ Elements

Reduce cyber risk, complexity and inefficiency with one platform. Cloud and endpoints.



Manage your cyber security solutions from a single portal

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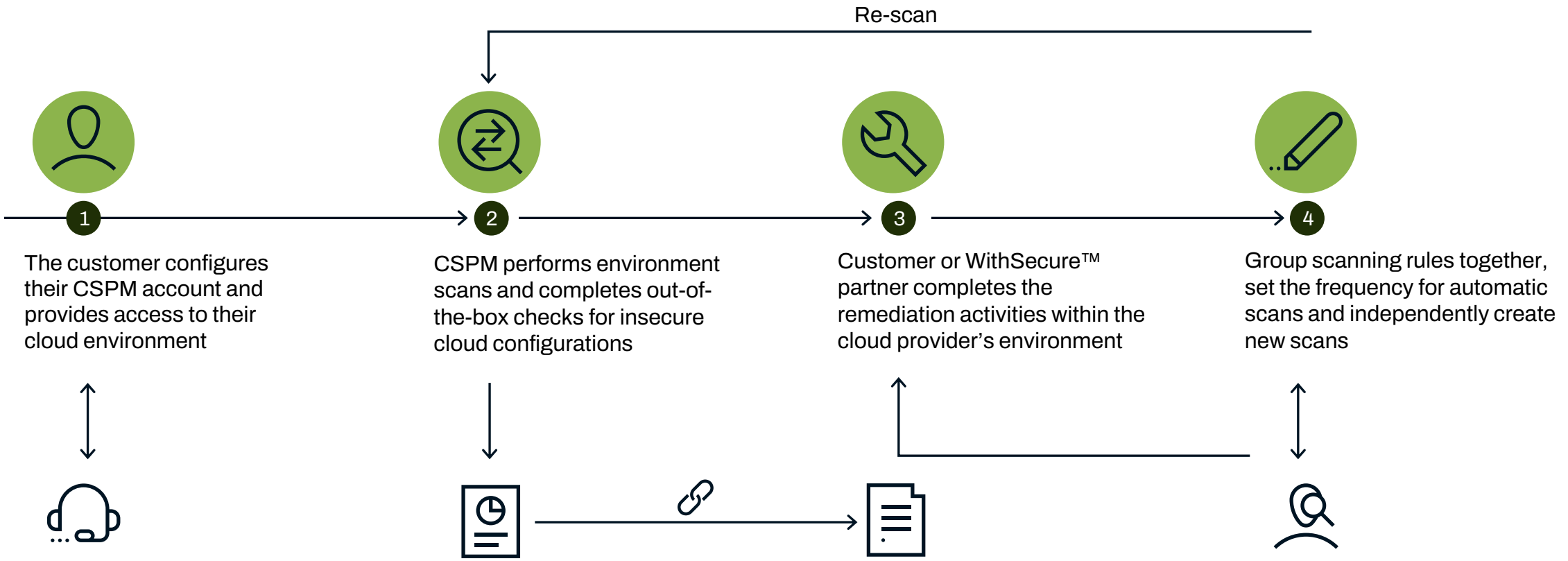
How Elements CSPM works



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A protection scenario

1. CSPM scan of your cloud environment

AWS ✓ Azure ✓

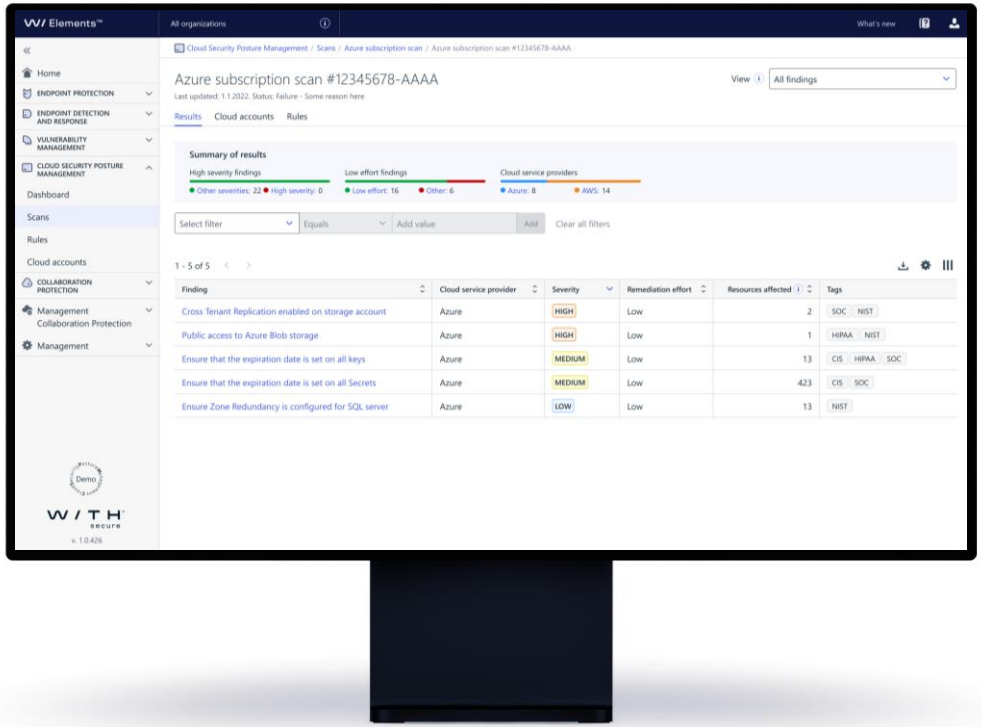
2. Finding EC2 has a public IP address

3. Review associated risks and remediation steps

4. Investigate whether the IP is required for business use

5. Action:
Rearchitect to enforce the use of a private IP.

WithSecure™ Elements Cloud Security Posture Management



Key features

- Multi-company, multi-cloud management
- Cloud security posture visibility
- Basis in research and expertise
- Centralized management
- Fast scanning
- Automated scans
- Remediation guidance
- Visual tracking
- Highlight compliance issues

Solution components

Scan on a regular basis

Name	Latest scan status	Latest scan results	Scan frequency
Azure subscription scan	Completed	8 54 101	Once per week
Full scan (all rules)	Completed	0 747 53	Once per week
Scan for AWS	Ongoing	43 2 887	Once per month
Lisa's test scan	Failed	5 3 1	Manual
BartTest123	Completed	8 97 42	Once per week
Engineering asset scan	Queued	1 64 33	Once per week
Azure accounts public accessibility...	Completed	380 99 0	Once per month

- Get **visibility** into your cloud infrastructure risks through the cloud security posture scan.
- Scan can be **scheduled** to run weekly, once every two weeks, monthly, or to run on an **on-demand** basis. The results can be downloaded as a PDF or CSV file.
- Scans provide information to help in **prioritization** and **instructions** for fixing misconfigurations based on their risk level.

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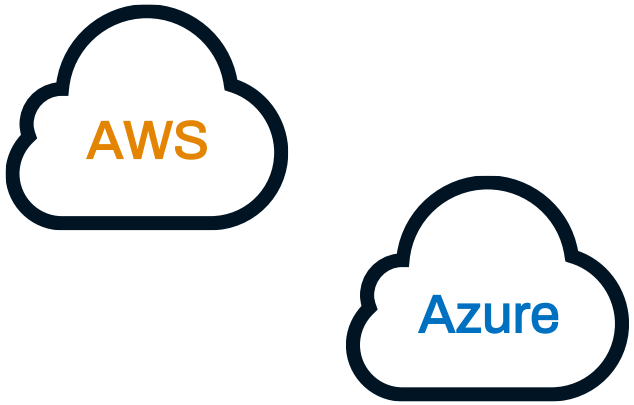
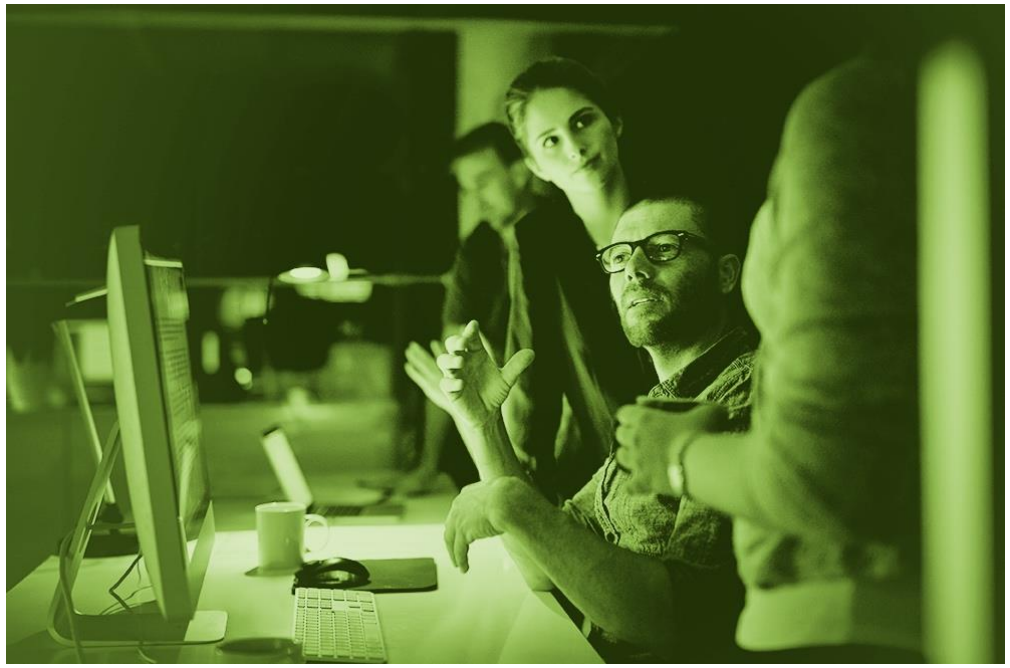
Secure workloads on the most popular public cloud platforms



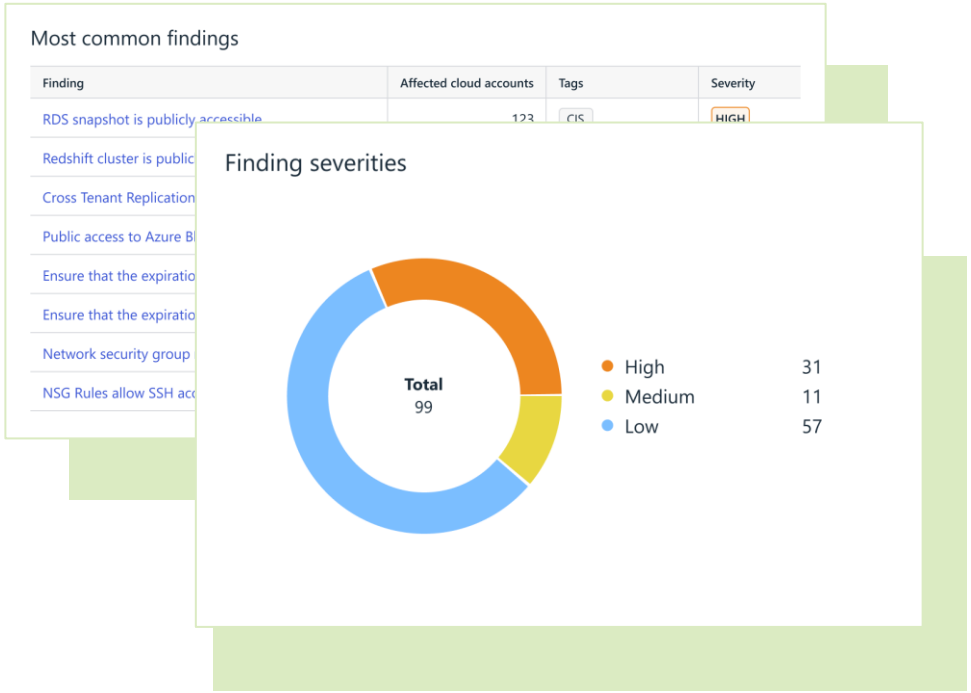
- Currently the multi-cloud approach covers both **AWS** and **Azure**.
- Configuration checks are continuously developed along with the evolving cloud environments. In total for AWS and Azure, there are around 200 checks.
- The checks have been built based on our cyber security **expertise**, real **customer cases** from our consultants, and major **compliancy frameworks**.

Basis in expertise and research



- Thanks to the broad WithSecure™ portfolio, we can draw on our consulting expertise to build checks based on in-depth **client consulting engagements**.
- Our research team has developed the checks based on their **threat model**, including misconfigurations targeted by attacker.
- Checks include identification of overly permissive IAM privileges, unencrypted data at rest, cloud instances with access to public IP addresses, and whether logging is enabled for incident investigation.

Dashboard



- A dedicated view where we present the most important information which requires your attention in **easy-to-interpret graphs**.
- See the **evolution** of security posture over time and different security posture insights*.
- Find out how the number of findings has changed over time and the changes in posture to **trigger more in-depth investigations**.

* Evolution based on historical data will be available in the general availability version, during November of 2023.

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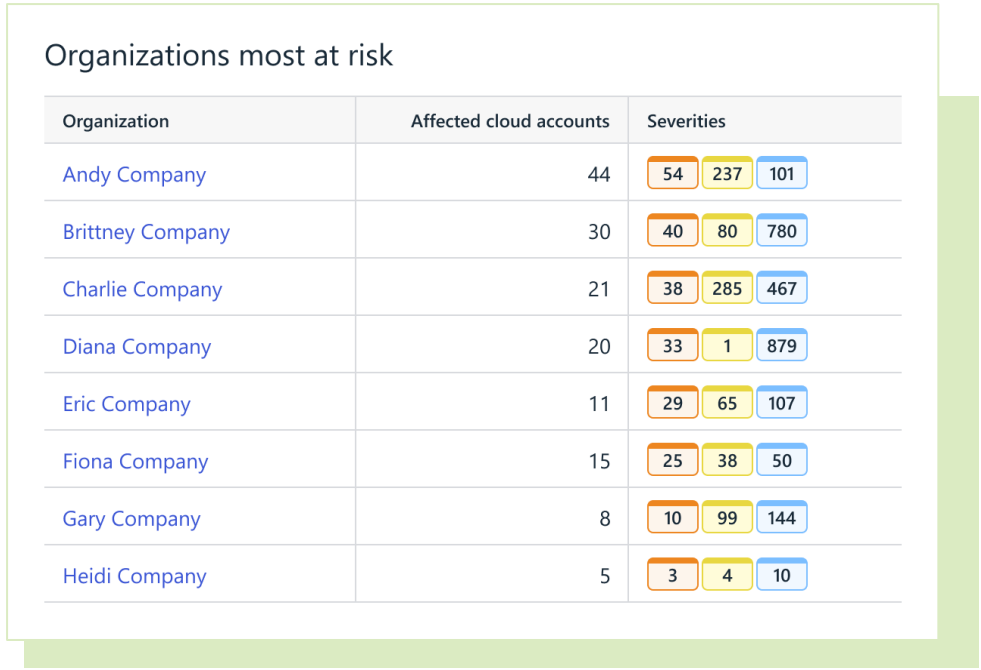
Designed with MSP and MSSP Partner Support in Mind



Organizations most at risk

Organization	Affected cloud accounts	Severities
Andy Company	44	54 237 101
Brittney Company	30	40 80 780
Charlie Company	21	38 285 467
Diana Company	20	33 1 879
Eric Company	11	29 65 107
Fiona Company	15	25 38 50
Gary Company	8	10 99 144
Heidi Company	5	3 4 10

- Possibility for partners, like MSPs and MSSPs, to provide CSPM as a **managed service** to their customers.
- Features like Elements Common Scope Selector and CSPM rule templates can help partner administrators **manage many end customers**.
- Partners can design and provide various CSPM **service levels** for different customers.

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Why choose WithSecure™ Elements CSPM?

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Fortify your cloud security posture

Scan regularly

Conduct comprehensive cloud security posture scans that utilize the expertise of our research team about real-world threats.

Your cloud – secured

Coverage for AWS and Azure cloud platform infrastructures.

Prioritize efficiently

Review our visual CSPM dashboard to see important information which requires your attention, in easy-to-interpret graphs.

Risk-based guidance

We provide risk information and severity to allow you to understand and assess the risk to your organization.

Simplified reporting

Easy-to-read reports visualize cloud security risks and empower correct response for administrators – as well as help to report on security practices to auditors and regulators.

Consolidated security management

Manage your cloud security posture from one easy-to-use portal along with endpoint security, collaboration protection and vulnerability management.

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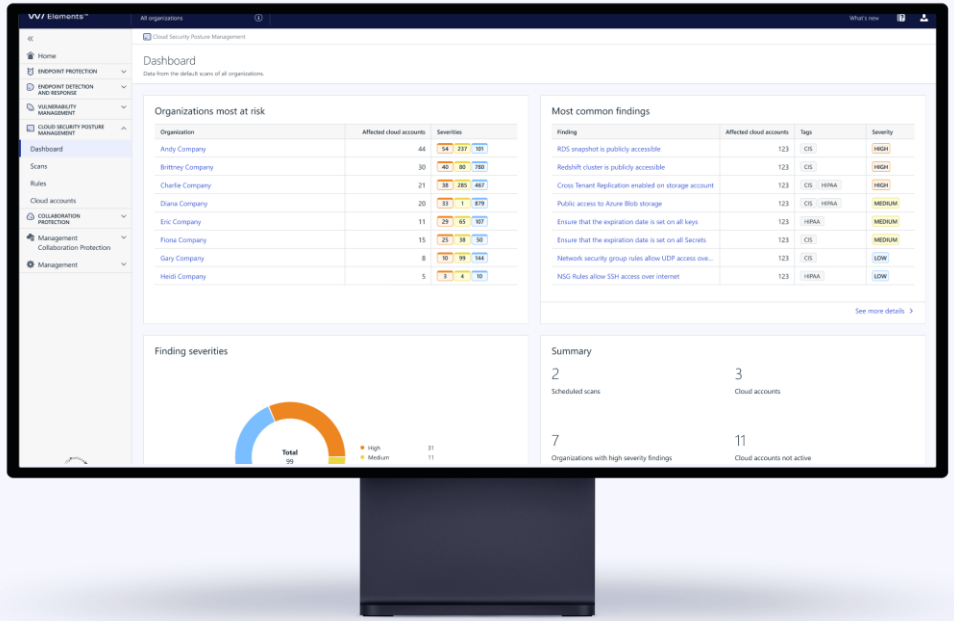
Get CSPM as a service

As part of Elements with management by our **certified partners**



As part of Countercept as a Managed Service from **WithSecure™**

WithSecure Outcomes

Resilience

CSPM helps organizations to adapt to the very fast pace of development with cloud platforms, by providing understanding of the risks that some of the new functionality may expose the organizations to.

Productivity

CSPM provides an efficient way to implement and monitor security and compliance across multiple IaaS providers, such as AWS and Azure, from a single portal. Minimize the downtime of cloud services and the manual work required to address misconfigurations.

Competitiveness

CSPM provides business and security leaders assurance that their cloud services are implemented in a secure and compliant fashion despite the speed, complexity, dynamics and scale of public cloud deployments.

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