Future
 Security

FuSec

Structure

01   **Basics**
What is the dashbord for?

02   **Calculation**
How is the risk score calculated?

03   **Outlook**
What are ideas for a potential future?

What does the dashboard display?

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Overall View

Shows the criticality of all systems connected to findings within the database

CVE & Advanced Search

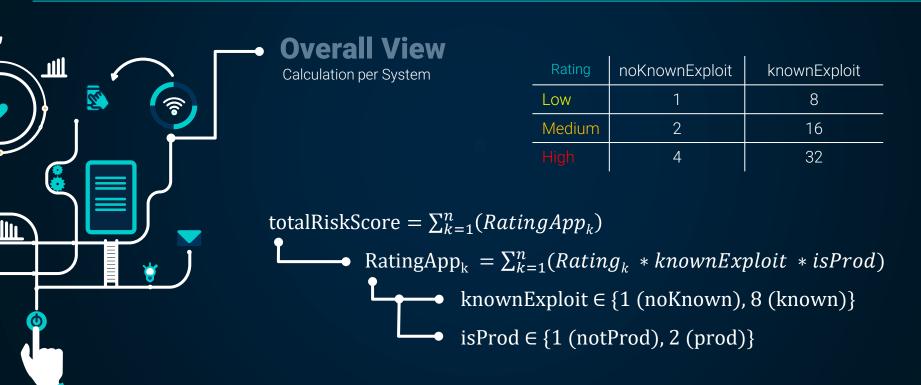Allows to search your systems for explicit CVEs or software version combinations

Mitigation

Finds a mitigation for a chosen CVE

How is the risk score calculated?

Overall View
Calculation per System

Rating	noKnownExploit	knownExploit
Low	1	8
Medium	2	16
High	4	32

$$totalRiskScore = \sum_{k=1}^{n}(RatingApp_k)$$

$$RatingApp_k = \sum_{k=1}^{n}(Rating_k * knownExploit * isProd)$$

$$knownExploit \in \{1 \text{ (noKnown)}, 8 \text{ (known)}\}$$

$$isProd \in \{1 \text{ (notProd)}, 2 \text{ (prod)}\}$$

Showcase

Outlook

Outlook

- scalability in Kubernetes

- improved mitigation recommendations by including more context about the organization

- expand the risk score by analyzing the network infrastructure

THANKS!