

HEALTHCARE UNDER SEIGE

KEY SECURITY CHALLENGES FOR HOSPITALS, CLINCS, AND MEDICAL CENTERS

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BEST SECURITY

THE HOSPITAL ENVIRONMENT IS CHANGING

ATTACK SURFACES ARE WIDENING







TECHNOLOGIES ADOPTION IN HEALTHCARE



- Network-connected medical devices
- Medical IoT such as wearable health devices
- 5G-enabled remote healthcare
- Mobile devices access
- Cloud and Big Data Analytics, and A
- **Bockchain Technology**



How hackers can abuse ChatGPT to create malware

ChatGPT's capabilities for producing software code observed cybercriminals bypassing the chatbot's sa content.



Alexis Zacharakos, Student Co-op



Your guide to a better future

Tech > Services & Software

It's Scary Easy to Use ChatGPT to Write Phishing Emails

DIVE BRIEF

Samsung employees leaked corporate data in ChatGPT: report

Published April 11, 2023



Lindsey Wilkinson Associate Editor

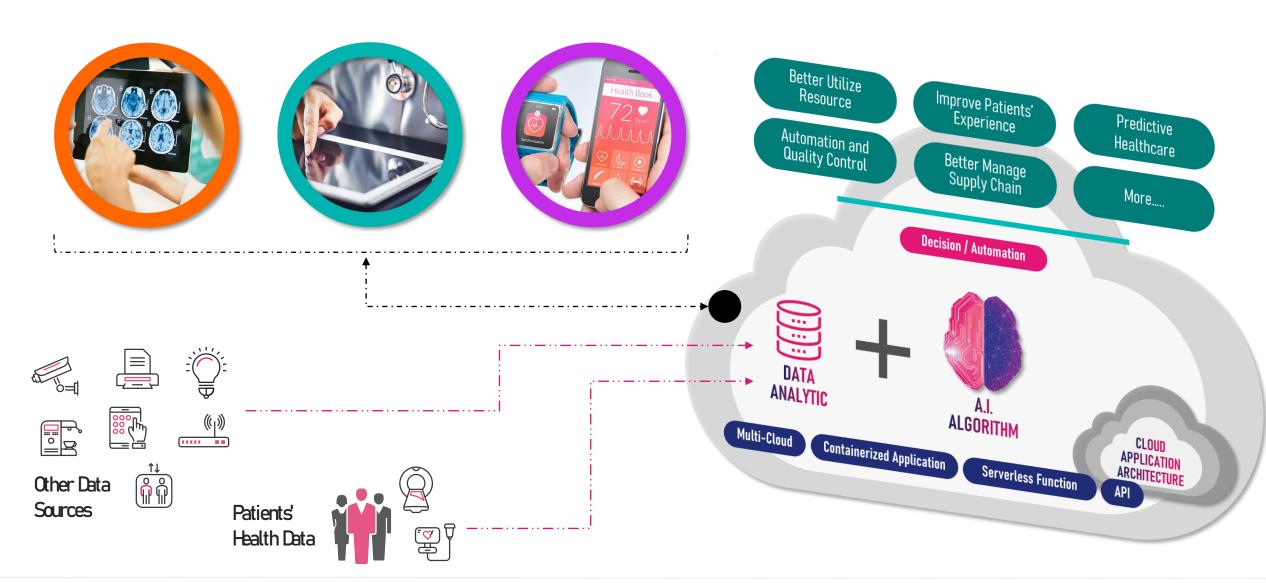






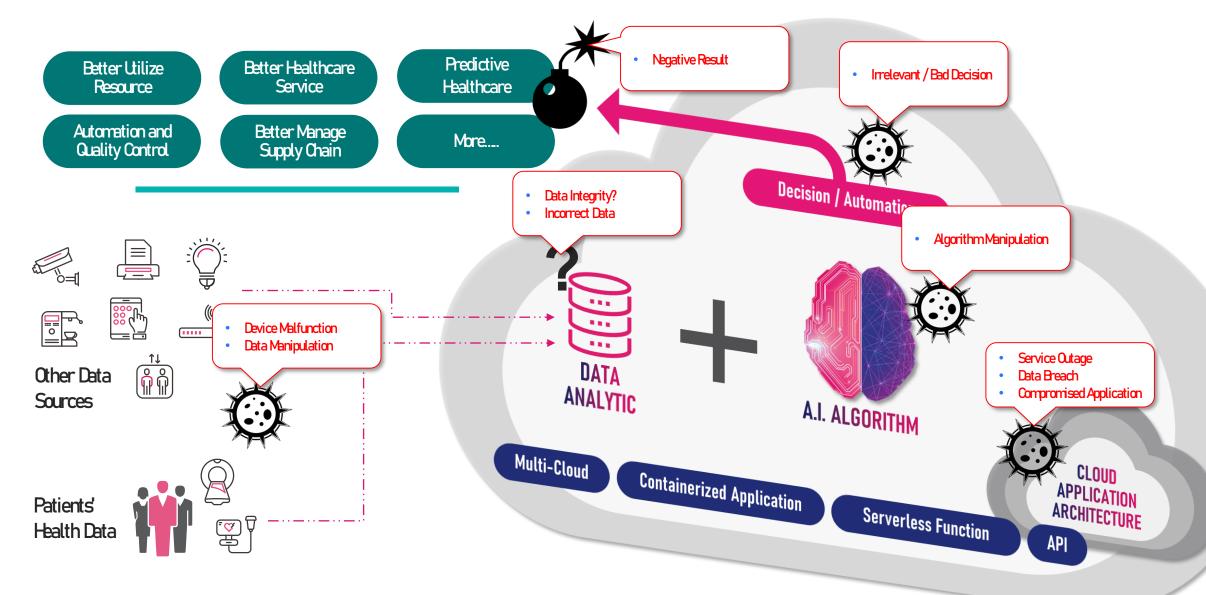
d I'm worried about how well it worked. bncerns about the potential use of Al

DATA-DRIVEN HEALTHCARE PLATFORM



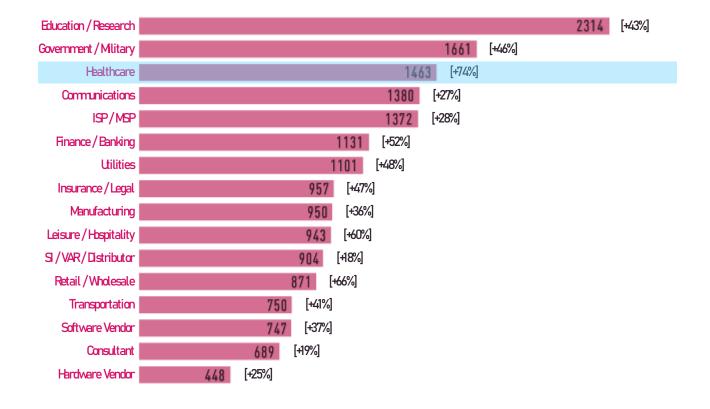


THE RISKS......



AVERAGE WEEKLY ATTACKS PER ORGANIZATION BY INDUSTRY 2022, COMPARED TO 2021





Global Average of weekly attacks per organization by Industry in 2022 [% of change from 2021]



SECURITY THREATS TO HEALTHCARE INSTITUTIONS

Community Health Systems Impacted by Data Breach Tied to GoAnywhere **MFT Vulnerability**

In an SEC filing, Community Health Systems, one of the country's largest healthcare providers, disclosed a third-party data breach involving Fortra's GoAnywhere managed file transfer solution that impacted one million individuals.



Highmark Health Suffers Phishing Attack, 300K Individuals Impacted

Highmark Health notified 300,000 individuals of a phishing attack that potentially compromised protected health information.



Maryland Hospital Suffers Ransomware Attack

Atlantic General Hospital is currently investigating a ransomware attack that occurred earlier this week.





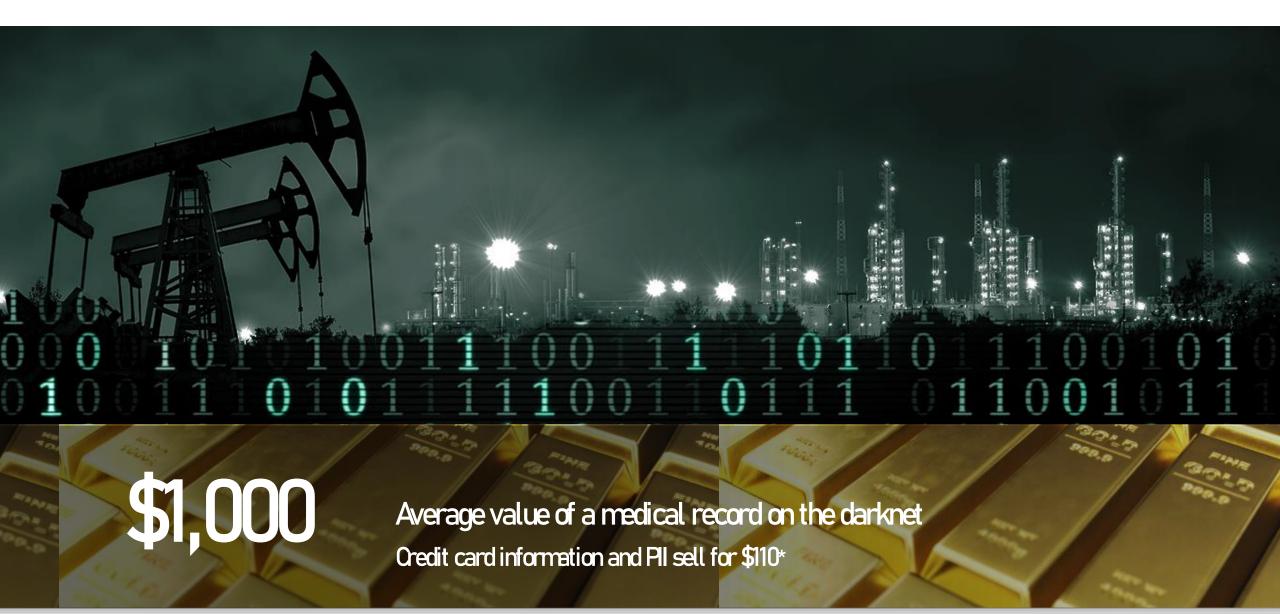
WHY HEALTHCARE INSTITUTIONS ARE BEING TARGETED?

PH has higher value than PII

Connected medical devices are easy to hack **Hacktivist** groups



DATA IS THE NEW OIL IN 21ST CENTURY





MEDICAL IOT ASSETS ARE INHERENTLY VULNERABLE



Run on Legacy OS



Difficult to Patch



No Built-in Security

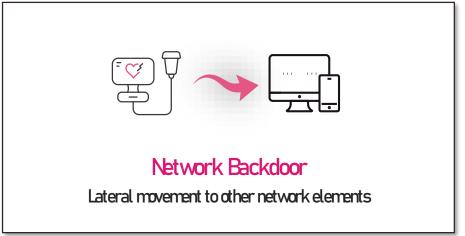


Unchanged Password



EXPLOIT IOT VULNERABILITIES







CYBERSECURITY IS NOT SOMETHING; IT IS EVERYTHING TODAY

SECURING MEDICAL CENTERS, HOSPITALS AND CLINICS



blocking, containing and remediating

Key Security Challenges

Connected devices

securing IoMT to protect the network



Protecting data and records

in the cloud



Enabling medical staff

with secured internet access from anywhere



Protecting patients

when they are using medical services



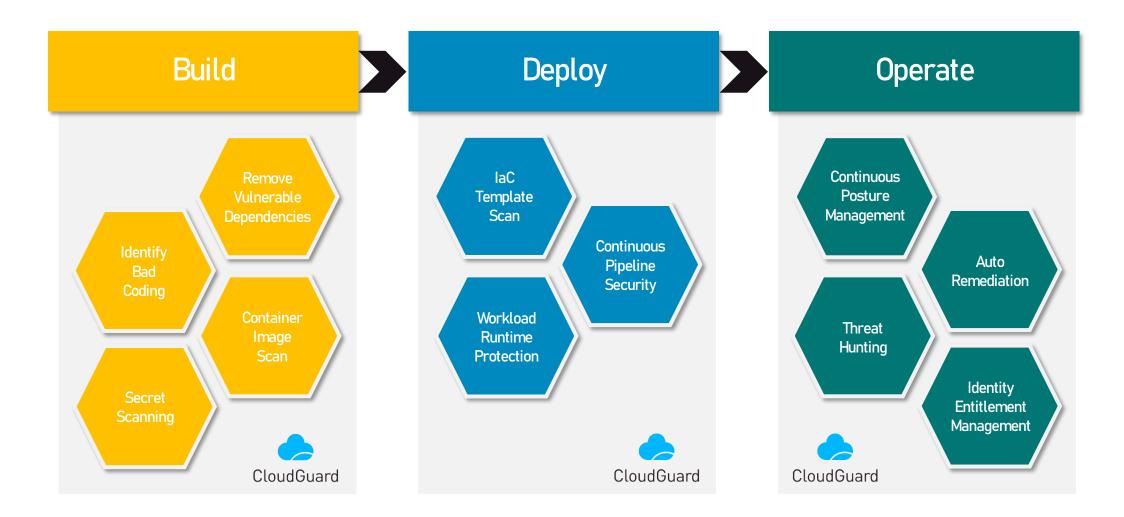
PROTECT CONNECTED MEDICAL DEVICES





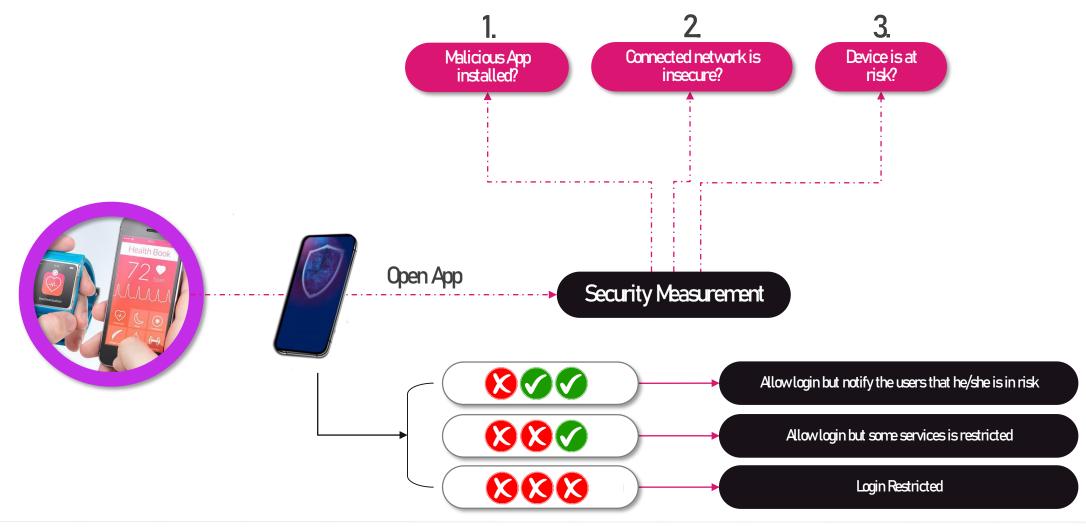
PROTECT THE CLOUD APPLICATION

Security measurement at every stage of SDLC with QoudGuard





PROTECTING PATIENTS WHEN THEY ARE USING MEDICAL SERVICES





CHECKPOINT INFINITY PRINCIPLES







PREVENTION FIRST



ACCURATE PRECISE VERDICT PREVENTION





THE BRAIN BEHIND CHECK POINT'S POWER

Al Technology

Infected hosts detection Sandbox static analysis Sandbox dynamic analysis

Email static analysis Mobile zero-phishing detection Anti-Phishing Al engine

Network Al engines aggregator Mobile Al engines aggregator Machine validated signature

Cloud networks anomaly detection

Threat Cloud Campaign Hunting

Analyst Mind Malicious activity detection

40+Al and Machine Learning technologies that identify and block emerging threats that were never seen before

Documents meta classifier Vectorization family classifier MLSimilarity Model MRAT Classifier

Detect Uhknown Detect Malware **Hishing Improve** Accuracy Anomaly Detection Campaign Hunting Expose stealth breaches Classif

Big Data Threat Intel

Always acquires the most recent loCs and protections of latest attacks seen in the wild

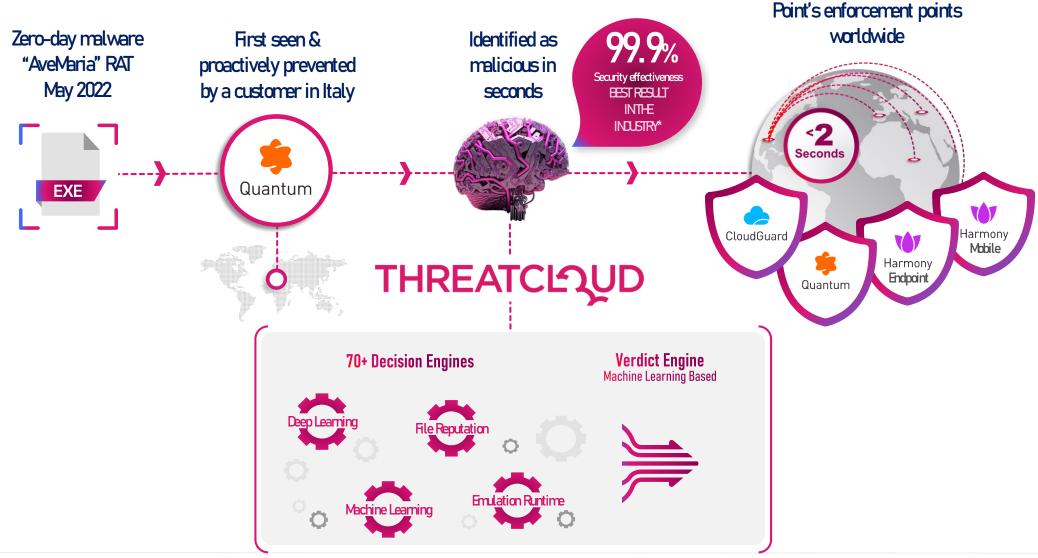
150.000 Connected networks Mllions of Endpoint devices 2,000,000,000 Websites and files inspected daily

Dozens of external feeds and crawling the www and social media

Unique ML algorithms detecting 650,000 suspicious domains daily

ThreatCloud Makes 2 Billion Security Decisions Every Day And Prevents 2.5 Billion attacks every year!

THE POWER OF REALTIME SHARED INTELLIGENCE **REAL WORLD EXAMPLE:**



Synced in real-time to all Check

CHECK POINT CUSTOMER STORIES

https://www.checkpoint.com/customer-stories/-



Customer Stories - See What Customers Are Saying About Us















THANK YOU



YOU DESERVE THE BEST SECURITY