

# NETWORK MONITORING AND SECURITY SOLUTIONS

For the Healthcare Industry



DELIVERING TOTAL  
NETWORK VISIBILITY

# HEALTHCARE IT CHALLENGES



## INCREASING SCRUTINY ON DATA PRIVACY AND REGULATORY COMPLIANCE

Government laws and regulations such as the Health Insurance Portability and Accountability Act (HIPAA) and the General Data Protection Regulation (GDPR) in Europe require healthcare organizations safeguard Protected Health Information (PHI) including any identifiable patient data. Any violations to these regulations could result in hefty penalties, loss in public trust and damage in reputation. The maximum penalty set by HIPAA is \$1.5 million for violations of an identical provision in a single calendar year.



*Record HIPAA Settlement  
Announced:  
**\$5.5 Million Paid by  
Memorial Healthcare System<sup>1</sup>***

*Touchstone Medical Imaging  
**Fined \$3 Million**  
for Extensive HIPAA Failures<sup>2</sup>*



## MORE SOPHISTICATED CYBERATTACKS JEOPARDIZE NETWORK SECURITY

With the constant threat of data breaches, protecting patient data continues to create strains on network security teams. And cyberattacks like those by ransomware could even hold the hospital IT network hostage which could put the lives of patients in danger. The continued growth of connected medical devices and Internet of Medical Things (IoMT) also creates vulnerabilities in IT networks.



*Premiera Blue Cross  
**Hack Exposes 11M<sup>3</sup>***

*Ransomware Attack **Impacts  
up to 400,000 Patients of  
Columbia Surgical Specialists<sup>4</sup>***

## WHAT YOU NEED TO DO TO

## Tackle These Challenges

### PROTECT YOUR DATA EVEN AS SECURITY THREATS GROW

Protect and secure confidential medical records and sensitive patient information by masking or removing these data in the traffic of the monitoring network to comply with government regulations and to avoid the risk of data breach by malware and spyware.

### SECURE YOUR NETWORK WITH INCREASING NETWORK COMPLEXITY

Immediately detect, characterize and mitigate cyberattacks by effectively inspecting all traffic on your network in real time. This includes complete access to network traffic at on-premise data centers, private cloud and public cloud.

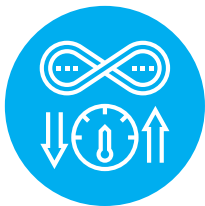


# HYBRID NETWORK VISIBILITY AND SECURITY SOLUTIONS



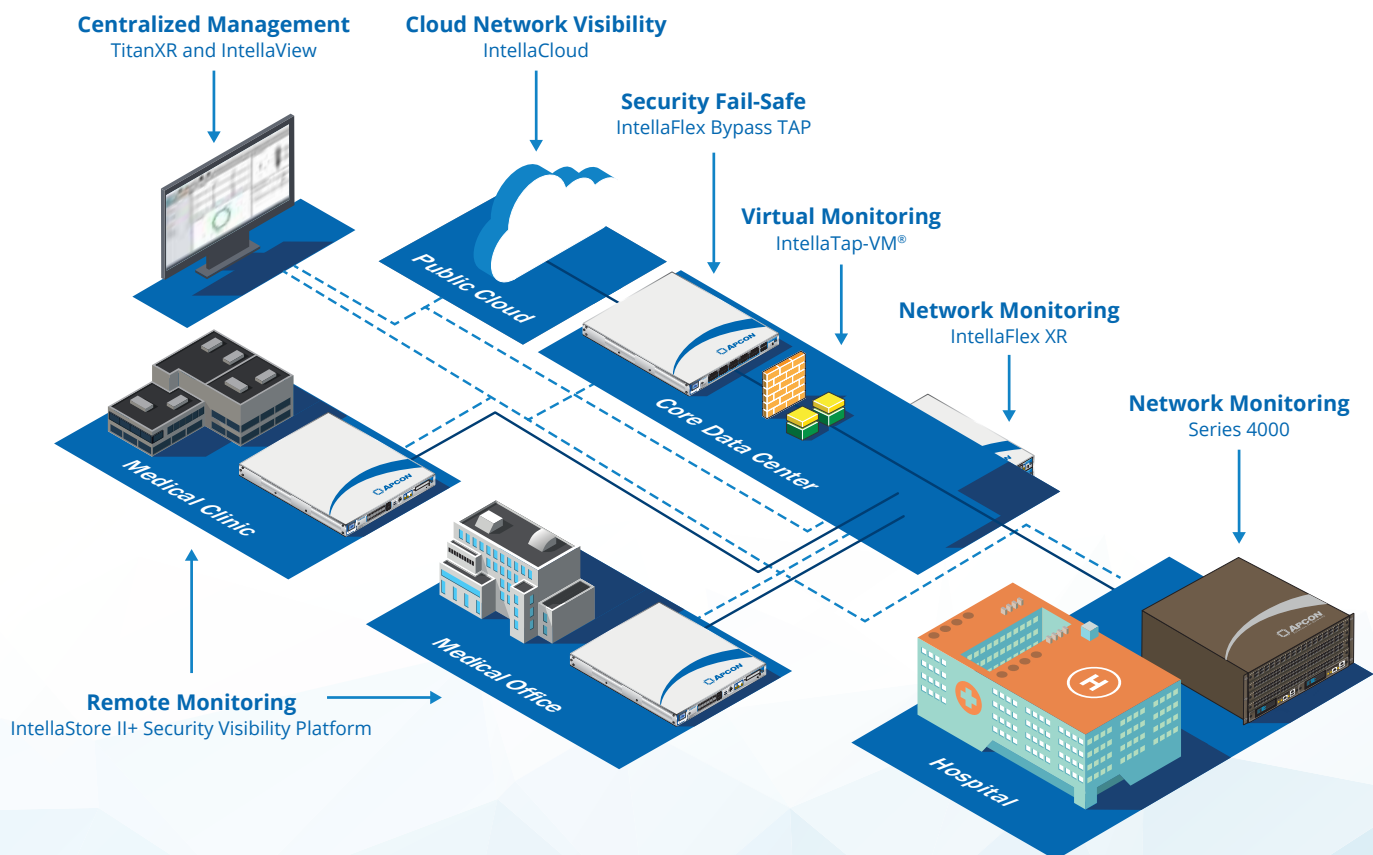
## ELIMINATE NETWORK VISIBILITY BLIND SPOTS

APCON's family of hybrid visibility solutions empower instant data access and private/public cloud monitoring integration to see and secure critical workloads in physical and virtual environments to achieve total network visibility. This effectively eliminates visibility gaps and reduces exposure to any potential cyber threats. APCON's bypass solution maintains high availability of production network and prevents any data loss even when the inline security tools fail.



## INCREASE MONITORING AND SECURITY TOOLS EFFICIENCY

Fueled by APCON's advanced filtering and packet processing technology and high availability design, visibility network traffic can be streamlined to ensure monitoring and security tools receive only the traffic of interest 24/7. This significantly increases the efficiency and performance of these tools. The scalable architecture of APCON's solutions enables fast deployment of new applications and easy upgrade to handle growing traffic speeds and volume and adoption of new monitoring and security tools.



<sup>1</sup> HIPAA Journal. "Record HIPAA Settlement Announced: \$5.5 Million Paid by Memorial Healthcare System." Feb 17, 2017. <https://www.hipaajournal.com/ocr-record-hipaa-settlement-memorial-healthcare-system-8695>

<sup>2</sup> HIPAA Journal. "Touchstone Medical Imaging Fined \$3 Million for Extensive HIPAA Failures." May 6, 2019. <https://www.hipaajournal.com/touchstone-medical-imaging-3-million-ocr-fine-hipaa-failures>

<sup>3</sup> Mike Miliard. Healthcare IT News. "Premiera Blue Cross Hack Exposes 11M." March 18, 2015. <https://www.healthcareitnews.com/news/premera-blue-cross-hack-exposes-data-11m>

<sup>4</sup> HIPAA Journal. "Ransomware Attack Impacts up to 400,000 Patients of Columbia Surgical Specialists." Mar 6, 2019. <https://www.hipaajournal.com/ransomware-attack-impacts-400000-patients-of-columbia-surgical-specialists-of-spokane>

## THE APCON DIFFERENCE

### APCON SOLUTIONS

APCON leverages its proprietary IP and deep expertise to provide flexible, focused solutions across

- Government
- Healthcare
- Higher Education
- Financial Services
- Manufacturing
- Telecommunications

APCON solutions provide the flexibility and means to gain visibility to their data more efficiently, resulting in savings across the board, including time, resources and maintenance.

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APCON's network monitoring and security solutions for enterprises provide superior packet processing technology for total visibility and security of the network.

### SERVICE AND SUPPORT

APCON's professional services team of certified engineers have years of experience optimizing network visibility strategies for businesses across the globe. In addition to providing installation assistance of existing analysis tools, this team proudly provides around the clock troubleshooting services and support.

### ABOUT APCON

A privately held corporation, APCON is headquartered near Portland, Oregon, where it has operated since 1993. APCON's in-house staff manages product design and development, manufacturing, quality assurance and final testing, customer training and long-term servicing of its solutions – whether for a system with a single switch or a global installation that spans across multiple geographical or cloud locations.