



RSA CONFERENCE 2018

ASIA PACIFIC & JAPAN

HIGHLIGHTS & INSIGHTS

Vignettes From RSA Conference APJ 2018



Similar to its sister conference in San Francisco, the RSA APJ Conference this year saw its fair share of thought leadership and innovations. It featured regionally important topics of interest and concern.

Based on the popularity of Information Security Media Group's video interviews at RSA San Francisco, we conducted dozens of interviews at RSA APJ as well, using a dedicated studio set up on the exhibition floor.

I, along with Executive Editor Jeremy Kirk, conducted about 40 interviews covering topics of concern to the security community, including blockchain, IoT, automation, GRC and privacy. We dived into their regional significance and evolution in the current landscape.

Among those interviewed at RSA APJ are:

- Steven D'sa, director of Mandiant services in Southeast Asia, who spoke on the importance of the timing of incident response activities;
- Amit Zavery, executive vice president of Oracle's cloud and middleware platforms, who addressed the future of cloud security and the role artificial intelligence and machine learning are poised to play;
- Bryce Boland, former CTO in APJ for FireEye, who spoke about what AI means for both attackers and defenders;
- Ian Yip, McAfee's CTO for Asia Pacific, who shared his views on how blockchain could potentially improve identity and access management;
- Laurence Pitt, global security strategy director at Juniper Networks, who spoke about feasible use cases for blockchain technologies in cybersecurity;
- Damien Smith, cyber defense transition leader at ANX Bank, who described how big data can help detect APTs;
- Gai Brodtmann, Australian Member of Parliament, who spoke about securing critical infrastructure.

We put together this document as a handy reference to enable you to quickly identify topics of interest and tune in to what experts are saying. We hope you enjoy the interviews as much as we enjoyed having these conversations.

Best,

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Visit us online for more RSAC2018 coverage:

<https://www.databreachtoday.asia/rsa-conference-2018-videos-c-504>



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Welcome to ISMG Video Studios at RSAC APJ 2018

VARUN HARAN, SENIOR EDITOR & GLOBAL DIRECTOR OF PROGRAMMING - EDITORIAL, ISMG

Every year, RSA APJ serves as a reminder of how quickly security is gaining importance and maturity in the Asian region – probably at a rate much faster than the developed security markets in the West.

Although RSA APJ is much smaller than the annual RSA Conference in San Francisco, it's the most important security conference in the region. It draws eager participation from thought leaders as well as security practitioners seeking to keep themselves well-informed about the latest innovations as well as the developments in the region that have implications for cybersecurity.

Many of the industries undergoing “digital transformation” in this region have the advantage of leapfrogging to the latest technologies, putting them at par, or even ahead of, their Western peers.

I was joined this year at RSA APJ by my colleague at Information Security Media Group, Executive Editor Jeremy Kirk, in conducting about 40 video interviews with outspoken thought leaders attending the conference. These interviews provide an inside look at what's going on in the security arena in the region.

The video interviews described in the pages that follow are designed to further awareness of the nuanced and complex developments in security. I encourage you to use this guide to pinpoint those interviews that tackle the topics that most interest you.

Big Data Analytics: Taking a Predictive Security Stance

Carbon Black's **Matt Bennet** Shares Insights on Making Big Data Meaningful

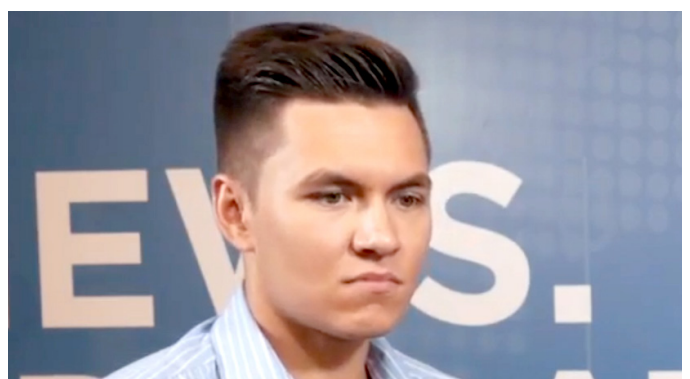


Big data holds the key to moving from a preventive security stance to a more predictive stance, says Matthew Bennett of Carbon Black.

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How Hackers Are Targeting Initial Coin Offerings

Aleksandr Lazarenko of Group-IB Says Safe Storage of Cryptocurrency Poses Challenges



The proliferation of cryptocurrency and blockchain projects is posing enticing new opportunities for hackers, says Aleksandr Lazarenko of Group-IB.

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Gaining Visibility Into Supply Chain Risk

CrowdStrike's **Mike Sentonas** Shares Insights From Latest Research

Even though many organizations believe that supply chain cyber risk is a serious problem, very few organizations are vetting their suppliers, says CrowdStrike's Michael Sentonas.

In this video interview at the recent RSA APJ 2018 conference in Singapore, Sentonas discusses:

- Managing supply chain risks ([see: 10 Supply Chain Risk Management Best Practices](#));
- Why organizations are continually buying new security technology;
- The blurring lines between nation-state and cybercriminal tactics.

“Organizations are actively seeking out new technologies that give them better detection efficacy - that help them prevent attacks and visualize if they are having issues that need to be addressed.”

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Breaking Down Legacy Silos in Security

Abdallah Zabian of DXC Technologies on Taking a Holistic Approach

Security silos persist because stakeholders within the enterprise security ecosystem are focused on their own key performance indicators, says Abdallah Zabian of DXC Technology, who suggests a more holistic approach is needed.

In this video interview at the recent RSA APJ 2018 conference in Singapore, Zabian discusses:

- Taking a more holistic approach to security;
- Breaking down silos across the organization; ([see: Breaking Down Silos to Make Intelligence Actionable](#));
- The sustainability of emerging security technologies.

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“Organizations need to take a step back and look at security holistically.... Right now the CEO, the CISO, the CIO all have different metrics, focused on individual KPIs rather than taking a step back and saying, "What are we actually trying to do?"

Sizing Up the Impact of GDPR So Far

OneTrust's **Rob Hinson** on Changing Business Practices, Challenges



The EU's General Data Protection Regulation has significantly raised privacy awareness worldwide in the brief time that it's been in force, says Rob Hinson, a global privacy expert with OneTrust. Organizations are revamping both internal and external privacy programs to meet the minimum global standard, he says.

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Tracking the Cobalt Cybercriminal Group

Group-IB's **Tim Bobak** Says the Group Quickly Embraces New Malware and Tools



The Cobalt cybercrime group is targeting as many banks as possible, which poses risks particularly for smaller, less protected institutions, says Tim Bobak of Group-IB.

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How AI Will Reshape Information Security

Imperva's **Itsik Mantin** Says AI Driving Push for More Security Metrics



Artificial intelligence is poised to vastly influence security - not only for defenders but also attackers, says Itsik Mantin of Imperva.

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How to Deter Nation-State Cyberattacks

Fergus Hanson of Australian Strategic Policy Institute Makes Recommendations



Deterring nation-states such as Russia and North Korea from executing cyberattacks will require sanctions and other pressure, says Fergus Hanson of the Australian Strategic Policy Institute.

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Leveraging DevOps to Achieve 'Built-in' Security

Sumedh Thakar of Qualys on Achieving Transparent Orchestration



Achieving built-in, rather than bolted-on security at the DevOps stage through transparent orchestration is the new mantra for building resilient systems and software, says Sumedh Thakar of Qualys.

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Moving to the Cloud: The Security Equation

Neil Campbell of Telstra on Cloud Security Challenges



There's a rush to cloud services, and that can offer security benefits. But it can be difficult to keep track of data and classify it in the cloud, says Neil Campbell of Telstra.

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Balancing Business Needs With a Cybersecurity Plan

Professor **Andrew Woodward** Says There's Always Ongoing Tension



Although cybersecurity plans sometimes clash with business goals, the role of security should be to enable the business and not necessarily lock everything down, says Andrew Woodward of Edith Cowan University.

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Cybercriminals Shift to More Private Cryptocurrencies

Andrei Barysevich of Recorded Future Says Payments Harder to Track



Cybercrime investigators will face increasing difficulties if bad actors begin accepting more privacy-centric cryptocurrencies rather than bitcoin, says Andrei Barysevich of Recorded Future.

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The Importance of Timing Incident Response Actions

Mandiant's **Steven D'sa** Explains Why the Cadence of IR Actions Is Critical

Timing incident response actions correctly helps with rapid remediation and enables taking full control of the environment, says Mandiant's Steven D'sa.

In this video interview at the recent RSA APJ 2018 conference in Singapore, D'sa discusses:

- The timing of IR actions and why its important;
- Threat actor motivation and tactics;
- Tactical vs. strategic approach to response.

“The initial view you have of the attacker is an advantage and you need to use it well. Respond too soon and you risk tipping off the attacker; too late and the damage is already done.”

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Cloud Security: Beyond CASB

Oracle's **Amit Zavery** on Taking a Comprehensive Approach

Cloud access security brokers are not a panacea for all cloud security problems, says Oracle's Amit Zavery, who advocates an end-to-end approach.

In this video interview at the recent RSA APJ 2018 conference in Singapore, Zavery discusses:

- Why CASB alone is not enough;
- Changes in the cloud security landscape;
- The role of AI and ML in cloud security.

“A lot of organizations are making the mistake of thinking CASB is the answer to all cloud security problems. Over time, they are realizing that they need to look at how it incorporates into the existing infrastructure. So you have to really look at CASB architecturally in a better way.”

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AI-Augmented Security: Can Cyberattackers Counter It?

XM Cyber's **Adi Ashkenazy** on the Latest Trends



Are cyberattackers working on ways to counter artificial intelligence-augmented security? And will the bad guys ever use AI-driven attacks? Adi Ashkenazy of XM Cyber offers an analysis.

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The Public Cloud: Understanding Shared Responsibility Model

Microsoft's **Jonathan Trull** on Cloud Security



Securing the public cloud is not as challenging as it used to be, but too many organizations are still taking the wrong approach, says Microsoft's Jonathan Trull. Understanding the shared responsibility model for security is critical.

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Catching Attacks Early in the Kill Chain

Matthew Winter of LogRhythm Says Speed Is Key in Detecting Attacks



Organizations need to detect security events early in the kill chain in order to deflect attackers, says Matthew Winter of LogRhythm.

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Protecting Containers From Cyberattacks

Matt Alderman of Layered Insight Delves Into Container Challenges



Containers are much different than virtual machines, posing different kinds of challenges for security, says Matt Alderman of Layered Insight.

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Blockchain Use Cases in Cybersecurity

Juniper's **Laurence Pitt** on Potential Uses as Well as Limitations

A number of innovative applications of blockchain technology for security are emerging, but Laurence Pitt of Juniper Networks warns that not all data is suitable for storage in a blockchain.

In this video interview at the recent RSA APJ 2018 conference in Singapore, Pitt discusses:

- The relevance of blockchain technology in security and possible use cases;
- How improperly secured blockchains can bring security risks;
- How blockchains could transform security infrastructure.

"There is a tendency to find ways to use blockchain where it doesn't necessarily fit. There are going to be some innovative plays in this area, including authentication, server back-ends, data storage and smart contracts."

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GRC in Current Threat Landscape: Identifying New Metrics

SAI Global's **Andrew Bissett** Shares Insights on Security Measures



Regulatory compliance and technology innovation are making security more complex, so organizations need to look beyond technical base measures for metrics, says SAI Global's Andrew Bissett.

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Why Automation Is Essential to Cloud Security

Microsoft's **Diana Kelley** Shares Insights on Bridging Cloud Security Gaps



Because of the lack of specialists with the skills needed to run security operations in the cloud, intelligent automation is essential, says Microsoft's Diana Kelley.

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Securing Australia's Critical Infrastructure

Member of Parliament **Gai Brodtmann** Says More Needs to Be Done



Australia is taking an aggressive approach to securing its critical infrastructure, which is vital to public safety and the economy, says Australian Member of Parliament Gai Brodtmann.

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Managing Third-Party Risk

SingTel's **Edwin Lim** Offers Risk Management Insights



The level of integration that third-party vendors and services have in the enterprise environment is introducing risks vectors that are not well understood, says Edwin Lim of Trustwave.

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OT Security and the Threat of Disruption

Nozomi Network's **Obbe Knoop** on Why OT Security Needs a Different Approach



Disruption to operational technology can cause business downtime as well as serious public safety issues, so a nuanced approach to cybersecurity is essential, says Obbe Knoop of Nozomi Networks.

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Triaging Threats Using BI and AI

Anurag Sanghai of Intellicus on Highlighting Emerging Threats



Business intelligence technologies are increasingly being used with artificial intelligence to extract events that defenders need to know about, says Anurag Sanghai of Intellicus.

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How Attackers Use Digital Footprints

Hans Barre of RiskIQ Says Unknown Assets Can't Be Protected



Many organizations don't have a full grasp of their digital footprints, which attackers analyze closely when plotting intrusions, says Hans Barre of RiskIQ.

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How Big Data Can Help Detect APTs

Damien Smith of ANZ Bank on Making the Most of Analytics



The quality and completeness of data is key to being able to perform meaningful analytics to detect malicious events, says Damien Smith of Australia's ANZ Bank.

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Growing IT-OT Integration: Addressing the Risks It Brings

IBM Security's **Paul Garvey** on Taking the Right Approach

While IT and OT integration has brought about new levels of operational efficiency, it has also introduced serious cyber risks that conventional IT security approaches might fail to address, says IBM Security's Paul Garvey.

In this video interview at the recent RSA APJ 2018 conference in Singapore, Garvey discusses:

- The visibility challenge in IT-OT;
- Leveraging IT-OT integration to transform older, legacy environments;
- Why the perimeter is still king in OT environments.

"We are looking at islands of infrastructure where perimeter is king - difficult to access physically and geographically. But once you are in, you can do whatever you want."

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Planning for the Shifting Threat Landscape

RSA's CTO, **Zulfikar Ramzan**, Shares His View of the Challenges Ahead

The best way to take a holistic approach to the current threat landscape is to define security issues as business problems and then put the problem before the solution - not the other way around, contends RSA CTO Zulfikar Ramzan.

In this video interview at the recent RSA APJ 2018 conference in Singapore, Ramzan discusses:

- His conversations with thought leaders and peers about risk management;
- Major challenges and innovations in the year ahead;
- His view of innovations in leveraging artificial intelligence and blockchain.

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“A lot of people are now looking at not just solving individual problems, but what their overall security strategy looks like. Many organizations are looking at risk as a foundational underpinning to think about digital transformation, which is absolutely the right way to think about it.”

Fighting Sandbox-Evading Malware

Verizon's **Ashish Thapar** Shares Tips and Techniques



Malware detection needs to shift to detecting anomalous behavior, rather than depending on signature-based detection technologies to deal with such threats as sandbox-evading malware, says Verizon's Ashish Thapar.

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Analysis: Updates to STIX, TAXII Standards

Allan Thomson of LookingGlass Describes Enhancements



The STIX and TAXII standards for threat intelligence interchange have undergone a major upgrade to v2.0. LookingGlass CTO Allan Thomson, who's been closely involved in their development, describes the role of these enhanced standards.

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What Does 'Threat Analytics' Really Mean?

Gerry Sillars of Skybox on How to Operationalize It

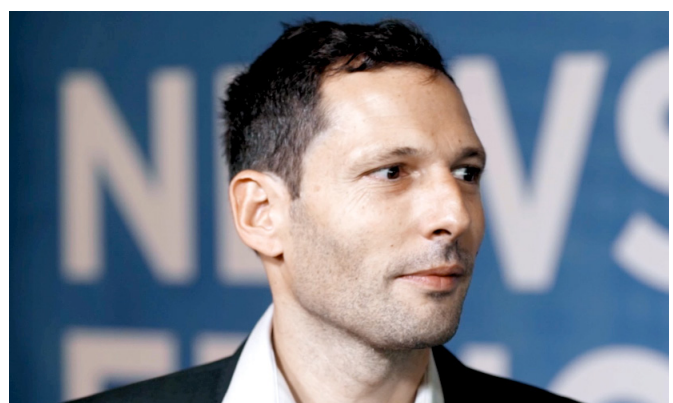


Threat analytics involves understanding where threats to key data assets exist and planning your mitigation strategy around that, says Skybox's Gerry Sillars

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Securing Multicloud Environments

Cisco's **Harry Dogan** Outlines the Challenges in Managing Security



The growing use of multiple cloud services in enterprises is creating new security challenges, says Cisco's Harry Dogan, who shares common mistakes and fixes.

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Convergence of OT and IoT: The Security Challenges

Tenable's **Richard Bussiere** on Re-evaluating Security Processes



Upcoming enterprise IoT ecosystems and conventional OT networks share similar security challenges, and as the two converge, organizations need to re-evaluate core security processes, says Richard Bussiere of Tenable Network Security.

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Using AI to Model Networks and Defeat Ransomware

Alberto Pelliccione of ReaQta Says Stealthy Attacks Can Be Stopped



Artificial intelligence can be used to create a model of an organization's infrastructure that can make detecting ransomware easier, says Alberto Pelliccione of ReaQta.

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How Microsegmentation Can Help Stop Attackers

Stanley Hsu of Illumio on Sealing Off Access to Applications



Microsegmentation is an effective way for defenders to limit the amount of access an attacker has inside a data center and stop lateral movement, says Stanley Hsu of Illumio.

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Mitigating Threats While Moving to Digitized Services

Australian Official **Narelle Devine** Says Layers of Defense Are Key



Layering defenses and maintaining strong security postures help mitigate risks as an organization's attack surface expands, says Narelle Devine, CISO of the Australian Department of Human Services.

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Can Blockchain Improve Identity and Access Management?

Ian Yip of McAfee Says Technology Holds Promise

Blockchain has potential for identity-based applications, but there are many aspects of identity and access management that a blockchain alone doesn't solve, says Ian Yip of McAfee.

In this video interview at the recent RSA APJ 2018 conference in Singapore, Yip discusses:

- Why some experts believe blockchain technology could be a game changer in identity and access management;
- How blockchain technology might approach security risks around identity and access management;
- If viable blockchain-enabled identity and access and management technologies will emerge in the next few years.

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“There are a lot of things in the identity and access management context that you don’t really need a blockchain to solve. I think the first question always has to be, do you really need a blockchain, or are you doing it because it seems to be the thing to do?”



AI: What It Means for Defenders and Attackers

Bryce Boland Previews What's to Come for Artificial Intelligence

Artificial intelligence has the potential to filter out much of the noise that can bog down teams trying to triage security alerts, says Bryce Boland, former CTO for FireEye in Asia-Pacific.

In this video interview at the recent RSA APJ 2018 conference in Singapore, Boland discusses:

- What artificial intelligence innovations security vendors are wrapping into their products;
- How artificial intelligence within security will be advantageous for defenders;
- How attackers may leverage artificial intelligence capabilities.

“We are seeing a lot of machine learning and deep learning finding its way into security products, and the reason is mostly economic. There is an enormous amount of data and compute power, and the algorithms needed to do the analytics are readily available.”

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About ISMG

Information Security Media Group (ISMG) is the world's largest media organisation devoted solely to information security and risk management. Each of our 28 media properties provides education, research and news that is specifically tailored to key vertical sectors including banking, healthcare and the public sector; geographies from North America to Southeast Asia; and topics such as data breach prevention, cyber risk assessment and fraud. Our annual global summit series connects senior security professionals with industry thought leaders to find actionable solutions for pressing cybersecurity challenges.

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