



31 March 2021 | Virtual Conference

Understanding Cloud Risks, Compliance & Mitigation Measures

The COVID-19 pandemic has created an instant demand for cloud-based solutions requiring the majority of organizations to accelerate their journey to the cloud. The CSA APAC Virtual Summit will focus on educating stakeholders on the key issues and trends facing cloud and cybersecurity today. The event sought to deliver the education, tools and knowledge you need to make a easier, faster pivot to the cloud. This one day program organised by CSA APAC provided insight and a global perspective on critical strategic cloud and cybersecurity concerns.

Leading experts with domain proficiency and expertise discussed key issues and trends facing cloud security and cybersecurity today at this virtual summit organized by CSA APAC on 31 March 2021.

PROGRAM

The CSA APAC Virtual Summit commenced with Welcome Remarks from Dr. Hing-Yan LEE (EVP APAC, CSA) and an Opening Keynote address by Jim Reavis (CEO & Co-Founder, CSA).

The program had a stellar line-up of presentations and panel discussion key topics that included:

- “Cloud First World : IT Responsibilities & Expectations”
- “Hybrid Cloud and Its Associated Risks”
- “Mitigation Measures for Risks, Threats, and Vulnerabilities in Hybrid Cloud Environment”
- “Embracing ICS with Cloud Computing Necessitates Clarity of Vision”
- “Blockchain is here to Stay and Being Attacked - How we fix it?”
- “The Promise and Pitfalls of Committing to Cloud : Securing Authorization and Architecture Off - Premise”
- “An In-depth Look at the Obligations Arising from Data Breaches”
- “How Privacy & Security Professionals can Cooperate to Achieve Better Compliance with Laws & Standards, Reduce Risks & Costs to their Organization “

and two panel discussions with topics on

- “Cloud Security in the Age of Hybrid Clouds”
- “Security Meets Privacy on the Cloud - A Better Understanding”

Thought leaders and eminent individuals in cloud computing and cloud security who spoke included the following:

- Jim REAVIS (CEO & Co-founder, CSA) in his Welcome Address commented that Cybersecurity is becoming Cloud Security. The COVID-19 pandemic has accelerated the shift to cloud. VC funding & public markets overwhelmingly favor cloud security companies. Innovative threats & mitigation strategies are in the cloud. It’s either in the cloud or cloud-managed.
- In his talk on “Cloud First World: IT Responsibilities & Expectations,” Ashish ADHIKARI (Lead, Customer Experience M365 Engineering team, Microsoft) weighed in on three issues (1) What are the top risks in adoption of public cloud service & how should we view them? (2) What are the unique security challenges in IaaS, SaaS & hybrid environments and how can they be mitigated? And (3) How regulatory & privacy changes are making these risks a board discussion.
- Narudom ROONGSIRIWONG (SVP, IT Security, Kiatnakin Phatra Bank Thailand & Co-Chair, Hybrid Cloud Security WG, CSA) in his presentation on “Hybrid Cloud & Its Associated Risks” listed the risks to include DDoS, data

leakage, perimeter protection risks, compliance risks, Misaligned SLAs, Misaligned cloud skill sets, gap in security control maturity, and comprehensiveness of security risk assessment.

- Feng ZOU (Co-Chair, Hybrid Cloud Security WG & Director, Cloud Security, Huawei) spoke on “Mitigation Measures for Risks, Threats & Vulnerabilities in Hybrid Cloud Environment” in order to implement & improve hybrid cloud risk management and cybersecurity practices.
- William HO (Co-Chair, ICS Security WG, CSA) on “Embracing ICS with Cloud Computing Necessitates Clarity of Vision” gave an overview on how understanding the trend, security concerns & the state of ICS cloud can help pave the way to gaining clarity.
- The panel discussion on "Cloud Security in the Age of Hybrid Clouds" was moderated by WONG Onn Chee (CTO, Resolvo Systems) with panelists Ian LOE (CTO, NE Digital), Narudom ROONSIRIWONG (SVP & Head of IT Security Kiatnakin Phatra Bank & Co-chair, Hybrid Cloud Security WG, CSA) and Feng ZOU (Director of Cybersecurity Planning and Compliance, Huawei & Co-chair, Hybrid Cloud Security WG, CSA). These experts addressed the following issues: What are the differences between hybrid and multi clouds? Is a hybrid cloud one or two clouds? How does a CSC manage two different clouds under different ownership? And ensure their different security compliance? What are the challenges in using hybrid clouds?
- Kurt SIEFRIED (Chief Blockchain Office & Director, Special Projects, CSA) in his talk on “Blockchain is Here to Stay & Being Attacked – How We Fix It,” observes that blockchains are being attacked because that is where the money is. There are many immature providers & users with bad security to be aware of.
- Steven SIM (President, ISACA Singapore Chapter) spoke on “The Promise & Pitfalls of Committing to Cloud: Securing Authorisation & Architecture Off-Premise”.
- Riwzi WUN (Partner, RHTLaw Asia LLP) spoke on “Obligations Arising from Data Beaches: A Perspective on Strategy” argues why having a strategy is crucial to preparation for & implementation of a contingency that may or may not happen, and knowledge on what evidence to gather, own weakness & the latest risks/threats.

- Françoise GILBERT (Global Privacy Strategist, CSA) in her presentation on “How Privacy & Security Professionals Can Cooperate to Achieve Better Compliance & Reduce Risks & Costs” observes that there are clear synergies between privacy & security professionals in using common tools (but some discrepancies), adopting common standard processes, etc. She sees value in building a bridge between the two groups to improve communication, benefit from information, analysis or resources, increase savings & efficiencies, and combine brain power. She welcomes participation & feedback for the “Privacy for Security Professionals” Project.
- The panel discussion on “Security Meets Privacy on the Cloud - A Better Understanding” moderated by Tze Meng TAN (Head of Data Cloud Department, MDEC), with panelists Madhav CHABLANI (Consulting CIO, TippingEdge Consulting), Riwzi WUN (Partner, RHTLaw Asia) and Sarbojit M BOSE (Education Director, CSA Singapore Chapter & CCSK Instructor) seeks to better appreciate the importance of Privacy (or often referred to as Data Protection) in one's cloud adoption journey. Security and privacy are non-identical twins when it comes to providing tools to secure the users' data. Enterprises today are realizing the importance of both, since business impact will be immense if these issues are ignored.

For full details of the [program](#), please refer to Annex A.

PARTICIPATING ORGANISATIONS

Organized by



Platinum Partner



Supporting Organizations



MARKETING ACTIVITIES

CSA APAC Summit 2021 31 March | Virtual Event [Register Now](#)

Organized by CSA cloud security alliance

Platinum Partner: Microsoft

Supporting Organizations: ISACA Singapore Chapter, Asia Cloud Computing Association

Speakers:

- Jim REAVIS, CTO & Co-Founder, CSA
- Francesca GILBERT, Global Privacy Strategist, CTO, Data Mining Inc.
- Dr. Wang-Yu LEE, EVP APAC, CSA
- Anna K. ADHIKARI, Lead, Customer Experience Engineering, M365 Security & Compliance, Microsoft
- Manish BOONWITWONG, VP, Head of Center for Trust, Risk & Security, IBM
- Burford H. BOSE, Education Director, CSA Singapore Chapter & OCISK Instructor
- Steven SIM, President, ISACA Singapore Chapter
- Tao Meng TAN, Head of Asia Department, Chief Information Officer, Singapore Airlines, MAS
- Kurt SEIFRED, Chief Information Officer & Director of Special Projects, CSA
- William HO, Co-Chair, ICS Security WG
- Mathew CHARLANI, Chairman, CSANCA Chapter & Consulting CIO, Technology Consulting
- Ini L. LOE, CTO, NE Digital
- Feng ZOU, Director of Information Security Operations, General & Co-Chair, ISACA Security WG
- Rival WUN, Partner, RIT, Law Asia
- Onn Chea WONG, CTO, Hibern Systems Pte Ltd

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Organized by CSA cloud security alliance

Be Seeing You!

Theme - Understanding Cloud Risks, Compliance & Mitigation Measures

Platinum Partner: Microsoft

Supporting Organizations: ISACA Singapore Chapter, Asia Cloud Computing Association



Microsoft

Cloud First World : IT Responsibilities & Expectations

Ashish K. Adhikari
Lead - Customer Experience
M365 Engineering team

The slide features a photograph of three people walking on a modern, brightly lit walkway with a glass railing.

The Promise and Pitfalls of Committing to Cloud: Securing Authorisation and Architecture Off-Premise

Steven Sim, President (ISACA Singapore Chapter)

31 Mar 2021

ISACA Singapore Chapter

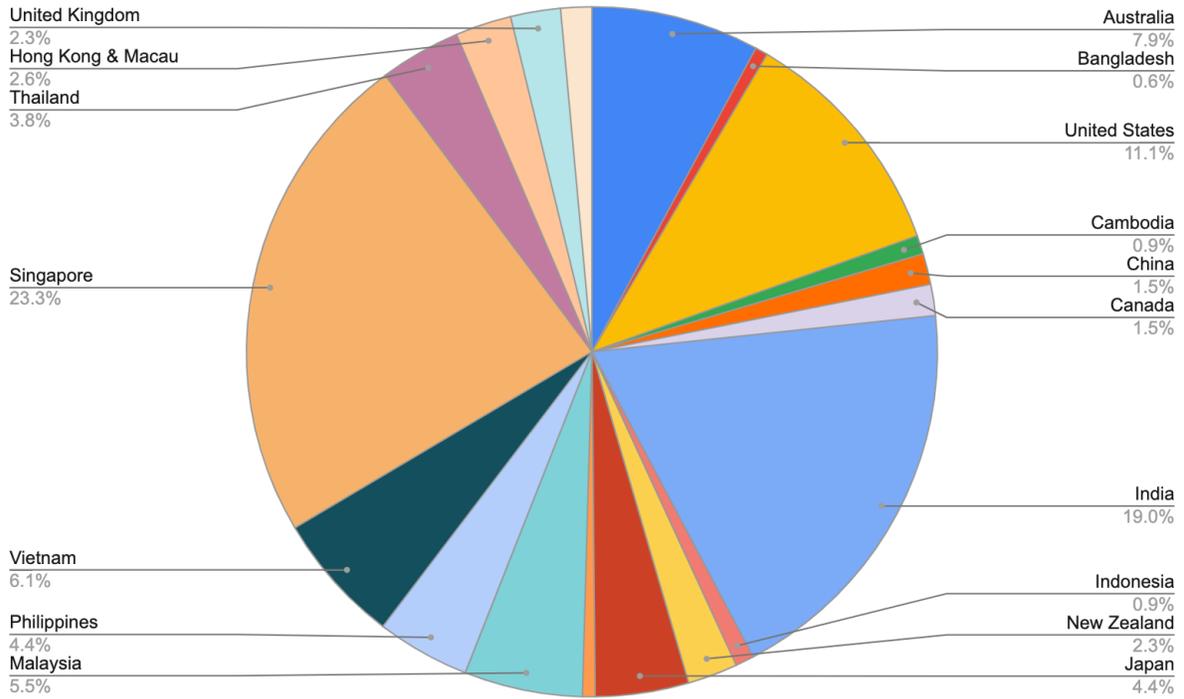
The slide features a background of blue and green circular patterns.

STATISTICS

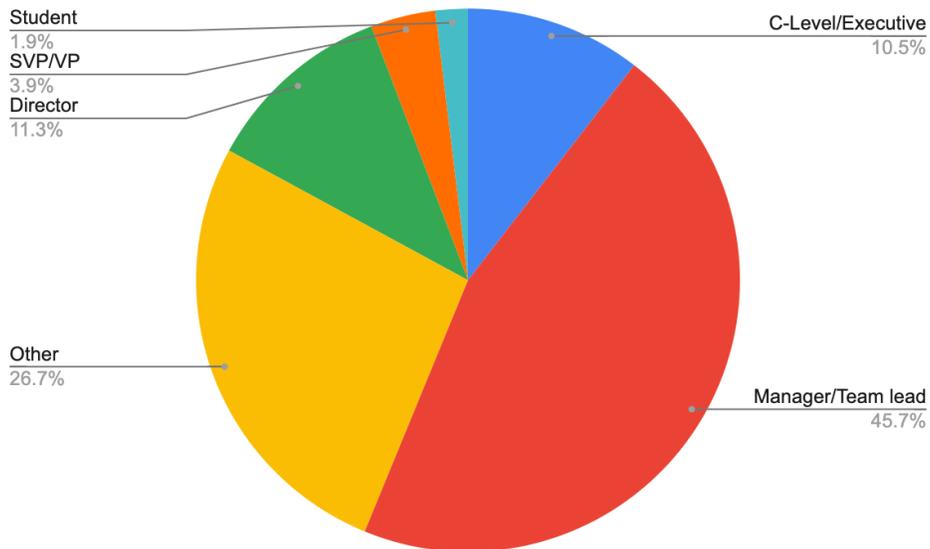
The Summit saw a total of 1000+ professionals in registration and over 800+ attendees (as of 14 April 2021). The program catered to attendees coming from different backgrounds, roles and responsibilities, actively engaging them in the various topics covered at the virtual summit.

* This figure includes the viewers of the recorded sessions after the live event.

By Country

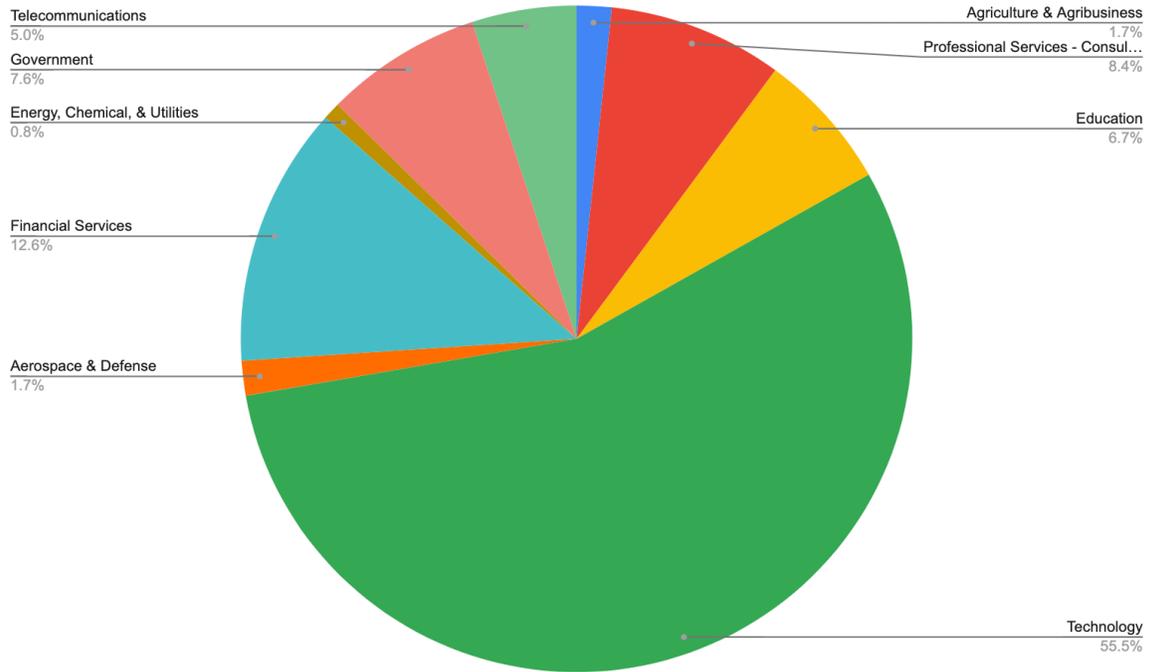


By Job Profile



Other include - Solution Architect, Project Engineer, Project Managers, Cyber security specialist, Consultant, Crypto Hardware Engineer, Information Security Analyst, Retired, Professor

By Industry



The list of companies that attended the Summit can be found in Annex B.

Annex A

Time	Activity	Session Link
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9:00 am

Welcome Remarks

Dr. Hing-Yan LEE (EVP APAC, CSA)

Opening Address - 2021 The Cloudzilla Era of Cybersecurity

Jim REAVIS (CEO & Co-Founder, CSA)

Keynote - Cloud First World : IT Responsibilities & Expectations

Ashish KUMAR ADHIKARI (Lead – Customer Experience Engineering – M365 Security & Compliance, Microsoft)

Cloud security remains a top priority for customers. This keynote highlights the current problem, thinking model and how some Cloud services come to deliver recommended practices. It will provide you a glimpse into three key issues: . What is the top risk in adoption of public cloud service and how can they be controlled? What are the unique security challenges in IaaS, SaaS and Hybrid environments and how can they be mitigated? How regulatory and privacy changes are making this risks a board-level discussion and how AI/automation can evolve to aid an IT organization in having a controlled pane environment.

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<p>10:00 am</p>	<p>Hybrid Cloud and Its Associated Risks Narudom ROONSIRIWONG (SVP, IT Security, Kiatnakin Phatra Bank, Thailand & Co-chair, Hybrid Cloud Security WG, CSA)</p> <p>As businesses are developing rapidly, many cloud consumers find that a single public/private cloud or traditional on-premises data center is no longer able to meet service requirements. Organizations are increasingly choosing hybrid cloud environments and services to meet their needs. However, hybrid clouds pose different risks and thus bring on a different set of challenges to security. This presentation will provide an overview of Hybrid Cloud, demonstrate its risks, threats and vulnerabilities, and give examples of Hybrid Cloud use cases.</p>	<p><u>Watch Now</u></p>
<p>10:45 am</p>	<p>Mitigation Measures for Risks, Threats, and Vulnerabilities in Hybrid Cloud Environment Feng ZOU (Director of Cybersecurity Planning and Compliance, Huawei & Co-chair, Hybrid Cloud Security WG)</p> <p>Hybrid clouds are often the starting point for organizations in their cloud journey. However, any cloud model consists of risks, threats, and vulnerabilities. Earlier this year, the Hybrid Cloud Security Working Group examined hybrid cloud model risks, threats, and vulnerabilities in its Hybrid Clouds and Its Associated Risks white paper. However, after this review of risks, threats, and vulnerabilities, it's critical to identify adequate mitigation controls. This presentation will cover countermeasures organizations can implement to improve hybrid cloud risk management and cybersecurity practices.</p>	<p><u>Watch Now</u></p>

11:30 am

**Embracing ICS with Cloud Computing
Necessitate Clarity of Vision**

William HO (Co-chair, ICS Security WG,
CSA)

Understanding the trends, security concerns and state of Industrial Control Systems (ICS) cloud helps pave the way. ICS with access to the cloud via web-enabled services are where IT and OT (Operational Technology) converge resulting in an integrated process and information flow that brings with it a more complex architecture. As ICS advances from communicating with networks within the enterprise to interacting externally via IoT platforms and the cloud, the efficiency, effectiveness and scalability. These advances create additional complexity and a larger attack surface which in turn has increased the opportunity for cyberattacks.

[Watch Now](#)

<p>12:15 pm</p>	<p>Cloud Security in the Age of Hybrid Clouds</p> <p>Timothy Grance (NIST) shared that no hybrid cloud existed when he co-authored the landmark NIST definition of different clouds. He has never expected hybrid clouds to become so pervasive and popular. This panel of experts will endeavor to address the following issues: What are the differences between hybrid and multi clouds? Is a hybrid cloud one or two clouds? How does a CSC manage two different clouds under different ownership? And ensure their different security compliance? What are the challenges in using hybrid clouds?</p> <p>MODERATOR : Onn Chee WONG (CTO, Resolvo Systems Pte Ltd)</p> <p>PANELISTS:</p> <ul style="list-style-type: none"> ● Ian LOE (CTO, NE Digital) ● Narudom ROONSIRIWONG (SVP & Head of IT Security Kiatnakin Phatra Bank & Co-chair, Hybrid Cloud Security WG, CSA) ● Feng ZOU (Director of Cybersecurity Planning and Compliance, Huawei & Co-chair, Hybrid Cloud Security WG, CSA) 	<p><u>Watch Now</u></p>
<p>1:00 pm</p>	<p>Break</p>	<p>-</p>

<p>1:30 pm</p>	<p>Blockchain is Here to Stay and Being Attacked - How do we fix it? Kurt SEIFRIED (Chief Blockchain Officer & Director of Special Projects, CSA)</p> <p>Blockchains are here to stay, and they're being attacked. Why? Because that's where the money is, literally (have you seen the price of Ethereum lately?). Combine this with Turing complete smart-contracts (often with security flaws) and it becomes obvious why attackers are so interested. The good news is that we've done this before, and we can not only learn from the past but we know what the gaps are this time around and we can close them faster. In this session, I'll cover the real attacks we're seeing today, and the attacks we can expect to see tomorrow. We'll also talk about how to prevent them, and what the future (might) bring with respect to Blockchain security.</p>	<p><u>Watch Now</u></p>
<p>2:15 pm</p>	<p>The Promise and Pitfalls of Committing to Cloud : Securing Authorization and Architecture Off - Premise Steven SIM (President, ISACA Singapore Chapter)</p> <p>With accelerated cloud adoption particularly during the COVID-19 pandemic, cloud has become a life-line to numerous organizations for sustaining their operations working from home, but yet it also raises the concern of embroiling into a cyber pandemic of malware outbreak, data breaches and disrupted operations. This presentation hopes to help the audience to navigate the realities of on-premise to cloud migration and address key security concerns relating to new vectors of attack that off-premise operations invite.</p>	<p><u>Watch Now</u></p>

3:00 pm	<p>An In-depth Look at the Obligations Arising from Data Breaches Rizwi WUN (Partner, RHTLaw Asia)</p> <p>The presentation will look at obligations and desired responses arising from data breaches.</p>	<p><u>Watch Now</u></p>
3:45 pm	<p>How privacy & security professionals can cooperate to achieve better compliance with laws & standards, reduce risks & costs to their organization Francoise GILBERT (Global Privacy Strategist, CEO of DataMinding, Inc.)</p> <p>The pandemic has caused drastic changes in the way in which most entities operate. In this new ecosystem, cloud services have become the primary source of computing and processing capabilities. Increased use of cloud services requires an increased workforce to manage and operate these systems, and ensure that compliance requirements are met and best practices maintained. Cloud services encompass numerous privacy and security issues. At a time when privacy and security professionals are scarce, organization may help increase efficiency and do more with less if they can encourage privacy and security professionals to cooperate in their tasks. In this session we will discuss some of the new privacy and security issues that cloud users and providers may be facing, and how cooperation between privacy and security professionals might help increase efficiency.</p>	<p><u>Watch Now</u></p>

4:30 pm

Panel Discussion - Security Meets Privacy on the Cloud - A Better Understanding

Watch Now

Security and privacy are twins when it comes to providing tools to secure the users' data. However, they are non-identical twins; they are different. Security relates to the protection of data from threats, such as hackers, while privacy encompasses how personal data is collected, managed, stored and shared. Enterprises today are realizing the importance of both, since business impact will be immense if these issues are ignored.

MODERATOR : Tze Meng TAN (Head of Data Cloud Department, Digital Infrastructure and Services Division, MDEC)

PANELISTS:

- **Madhav CHABLANI** (Chairman, CSA NCR Chapter & Consulting CIO, TippingEdge Consulting)
- **Riwzi WUN** (Partner, RHTLaw Asia)
- **Sarbojit M BOSE** (Education Director, CSA Singapore Chapter & CCSK Instructor)

Annex B

247 ai	Abdelmalek Essaâdi University's Presidency	Aboitiz Equity Ventures, Inc.	Accountant General's Department	Acronis
Advance Auto Parts	AIA Berhad Malaysia	AIG Shared Services	Al Ghanim	Allianz
Alpiq	Ambit Asia Pacific	American President Lines	ANZ	Aosta Software Technologies

Asia Commercial Bank	AT&T	AUCloud	Aujas Pvt Network Ltd	Australian Taxation Office
AustralianSuper	Aviva Asia	BCS Technology	BD Australia	Berjaya Gia Think JSC
Binary University	BIPO	Biro Nasional Karya Kepausan Indonesia	Blue Coat Systems	BNP Paribas
BNY Mellon	Bureau of Meteorology	Canadian Imperial Bank of Commerce	CAP France	Catena Technologies Pte Ltd
Celcom Axiata Berhad	Centre for Development of Advanced Computing, India	Centrify	CenturyLink Technology Solutions	Check Point
China Development Bank Corporation	China Taiping Insurance (Singapore)	CIMB	Cisco	Citibank
CMA CGM Asia Pacific Limited	Cognizant	Community Services Australia	CompuGain Solutions	Computer Concepts Ltd
Connecting.SG	Crayon	Crescent Petroleum Company	Cybergeese.com	Daimler Group Services Madrid
Dell	Deloitte	Department of Agriculture Thailand	Digi-Sign Certification Services Ltd	DI Euro Consult Plc
Durham Technical Community College	Duty Free Philippines Corporation	DXC Technology	Ensign Infosecurity	Epsilon Telecommunication (SP) Pte Ltd
Ernst & Young	Fikra Club	Financial Software & Systems Pvt Ltd	Fortinet	FPT Group
Frasers Property Holdings Thailand	Fujitsu	G2GFM management Solutions Limited	GB MFI Plc.	GE Capital

Genilex	GlaxoSmithKline	Global Resources Management Inc	Global Water Investments	Globe Telecom
Government of NSW	GovTEch SG	Gursimar Inc.	Hazen Legal Associates	HB Security
HCL Technologies	Ho Chi Minh City University of Law	Hoan My Medical Corporation	Home Team Science and Technology Agency	Housing and Development Board
HSBC	IBM	iChange Solutions Group	ICICI Bank	ICT24H
IHG Hotels & Resorts	IndusInd Bank	Infosys	IngeniousTek Pty Ltd	Initial Alpha Pte Ltd
Institute for Health and Productivity Management	Institute of Electrical and Electronics Engineers	Internet Initiative Japan	IP Australia	IRM Consulting & Advisory
Isafe Consulting	(ISC)2 Singapore	Jakkolab Pte Ltd	JAS Automation	Jewel Paymentech
JPW Consulting	K B Ung Services	KJR	KPMG	KSL
LGT Capital Partners	LSKB Foils Pvt Ltd	Lupin India	MAMPU	Marina Bay Sands
Mass Rapid Transit Corporation	Maxis	Mediacorp	Mercedes-Benz Financial Services Taiwan	MetLife
Micro Focus	Microsoft	Ministry of Health NSW	Ministry of Post and Telecommunications	Ministry of Public Security
Mitsubishi Electric Asia Pte Ltd	Mizuho Bank	Modex BCDB	Morgan Stanley	Moward Consultancy, Inc.
MUFG Union Bank	MYOB	Nav Inc	Netassess Consulting C Ltd	NetBright Co Ltd

NetNam Company	NII Consulting Pvt. Ltd	Nirsal Microfinance Bank Ltd	Nokia India Pvt Ltd	NTT Advanced Technologies
OCBC	Ocean Network Express	OneDegree	OPPO	Paidy Inc
Palo Alto Networks	Pantex Consulting Group	PCCW Solutions	PDi Software	Project Management Institute Singapore Chapter
Protiviti	PSA Singapore	PTC Systems Pte Ltd	PTS Japan KK	Puleng Technologies
PwC	Ragami Limited NZ	RBL Bank	RHTLaw Vietnam	Ridgelinez
Rizal Commercial Banking Corporation	RTDonahue Consulting	SA Power Networks	Samart Corp	Samyojya India
SAP	SecureKeys Consulting	Singapura Finance Ltd	SOCRAI	Southern Cross Health Society
ST Engineering Ltd	Sterling Bank of Asia	SV Technologies JSC	Sysprocess	Tahoe Life
Tata Communications	Tatum Security	TCS	Temenos AG	Thales
The Dow Chemical Company	The Mantegar Group, LLC	Tindo Pte Ltd	TNG Digital	Trident-X Sdn Bhd
True Digital Group	Trustwave Holdings	Tuple Datasta Labs and Research PVT Limited	UDA Holdings Berhad	ULTS
Unisys	Universiti Sains Malaysia	University of the Philippines	Verifone (Thailand)	Verizon
Vies Consulting	VMware	WBS Technology	Wex Health Inc	Wipro

Wizlynx Pte Ltd	Xenex Enterprises	Xero Limited	ZF India Pvt Ltd	Zscaler
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