Managing cyber risk in JVs
stronger together

COPEX Conference 20th of October 2022

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6 ways employees can help to avoid phishing attacks

Remember! Phishing Awareness is a good start, but it is vital to make Phishing Reporting a habit.

THINK SECURE

KNOW THE COMMON TYPES OF ATTACKS

SPEAR PHISHING

Attackers send a tailored email to an individual or a group using personal details

VISHING

Attackers call you on your phone to trick you into revealing information

SMISHING

Attackers send text messages via SMS, WhatsApp etc. to trick you into clicking a link

WHALING

Attackers target Senior Executives with personalised phishing emails

Managing cyber risk in JVs

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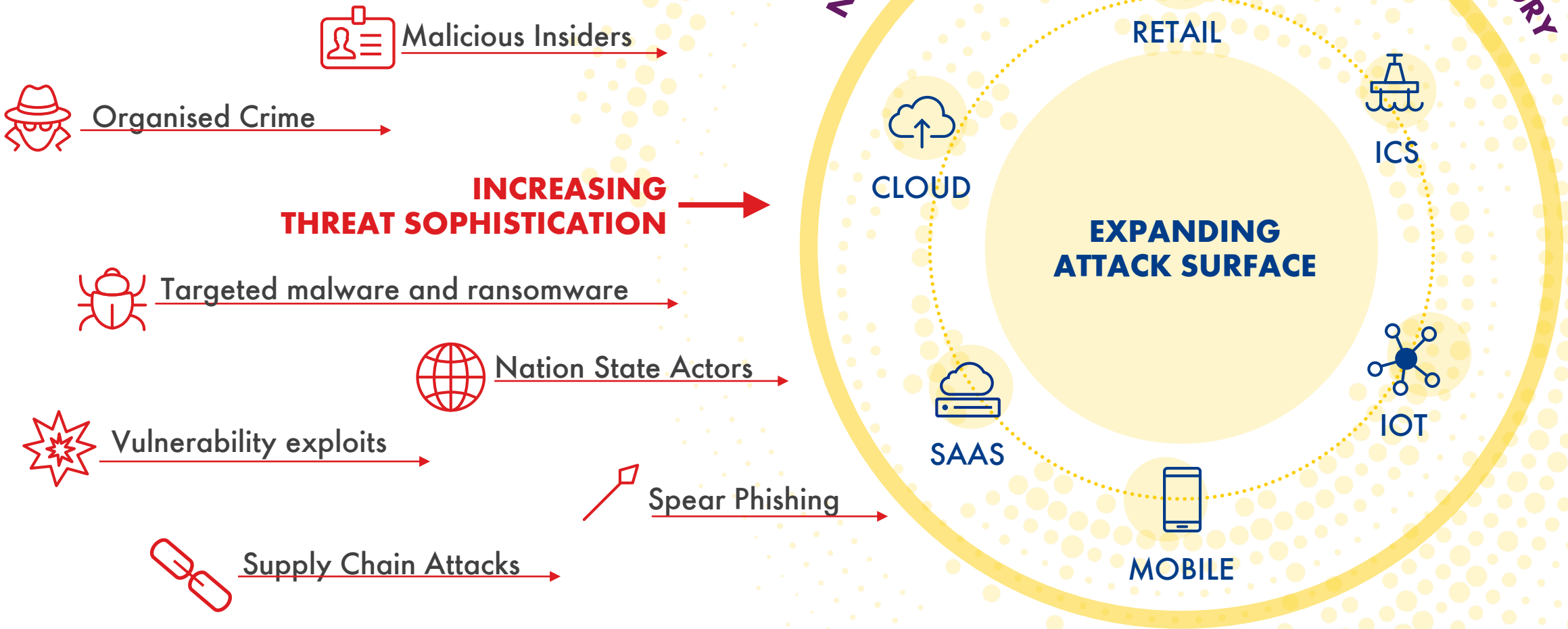
Agenda

Changing threat landscape



Enterprise Impact

CNN BUSINESS

The Log4j security flaw could impact the entire internet.

link

BBC

Honda's global operations hit by cyber-attack

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THE NEW YORKER

AFTER THE SOLARWINDS HACK, WE HAVE NO IDEA WHAT CYBER DANGERS WE FACE

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Bloomberg

Marriott Shares Fall After Hit From Cyber Fine Crimps Earnings

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ComputerWeekly.com

Data of thousands of Dutch citizens leaked from government Covid-19 systems

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REUTERS

travel giant CWT pays $4.5 million ransom to cyber criminals

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DIGITAL GUARDIAN

Tesla Data Theft Case Illustrates the Danger of the Insider Threat

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The New York Times

Google Is Fined $57 Million Under Europe's Data Privacy Law

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mortgagebusiness

LandMark White CEO resigns following data breach

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Cyber Threats Recent Examples | 2021

Exchange Server

Microsoft Exchange e-mail server vulnerabilities were being exploited in-the-wild, giving attackers full access to user emails and passwords. ~250K organisations were affected, like the European Banking Authority, the Norwegian Parliament, and Chile's Commission for the Financial Market.

Codecov

The updating mechanism of the software testing and developing platform Codecov was manipulated. Sensitive data like customer tokens and credentials were exposed. Once customers updated the malicious Codecov version malware was installed at their network and data exfiltrated.

Colonial Pipeline

Threat actors linked to the DarkSide ransomware organization had gained access to an outdated VPN account. The compromise, leveraged to encrypt data on the company's systems, left Colonial's massive operational technology (OT) network, including a 5,500 mile pipeline, at risk of remote takeover.

PrintNightmare

Critical vulnerability for Windows systems whereby attackers could use a print spooler to remotely execute commands on IT devices. In Shell the patch for the vulnerability released by Microsoft was quickly applied to the relevant devices.

Fortinet

Threat actors published a list of hundreds of thousand Fortinet VPN login credentials from exploited devices in the past. This poses a major risk to organizations with weak or unchanged passwords as it gives threat actors an opportunity to gain a foothold.

Log4j

A vulnerability in a widely used logging library has become a full-blown security meltdown, affecting digital systems across the internet. Hackers are already attempting to exploit it, but even as fixes emerge, researchers warn that the flaw could have serious repercussions worldwide.

JAN — FEB — MAR — APR — MAY — JUN — JUL — AUG — SEP — OCT — NOV — DEC

Strategic Imperatives to manage the cyber landscape

To increase our security capability maturity and reduce the systemic risks Shell's Information Risk Management organization has identified eight strategic imperatives to strengthen cybersecurity capabilities.

Systemic Risks

- Evolving cyber threat landscape
- Risks in industrial control systems
- IT supply chain and 3rd party risks
- Geopolitical and national legal and regulatory pressure
- Reliance on legacy cyber access models
- Risks related to evolving business models

Strategic imperatives

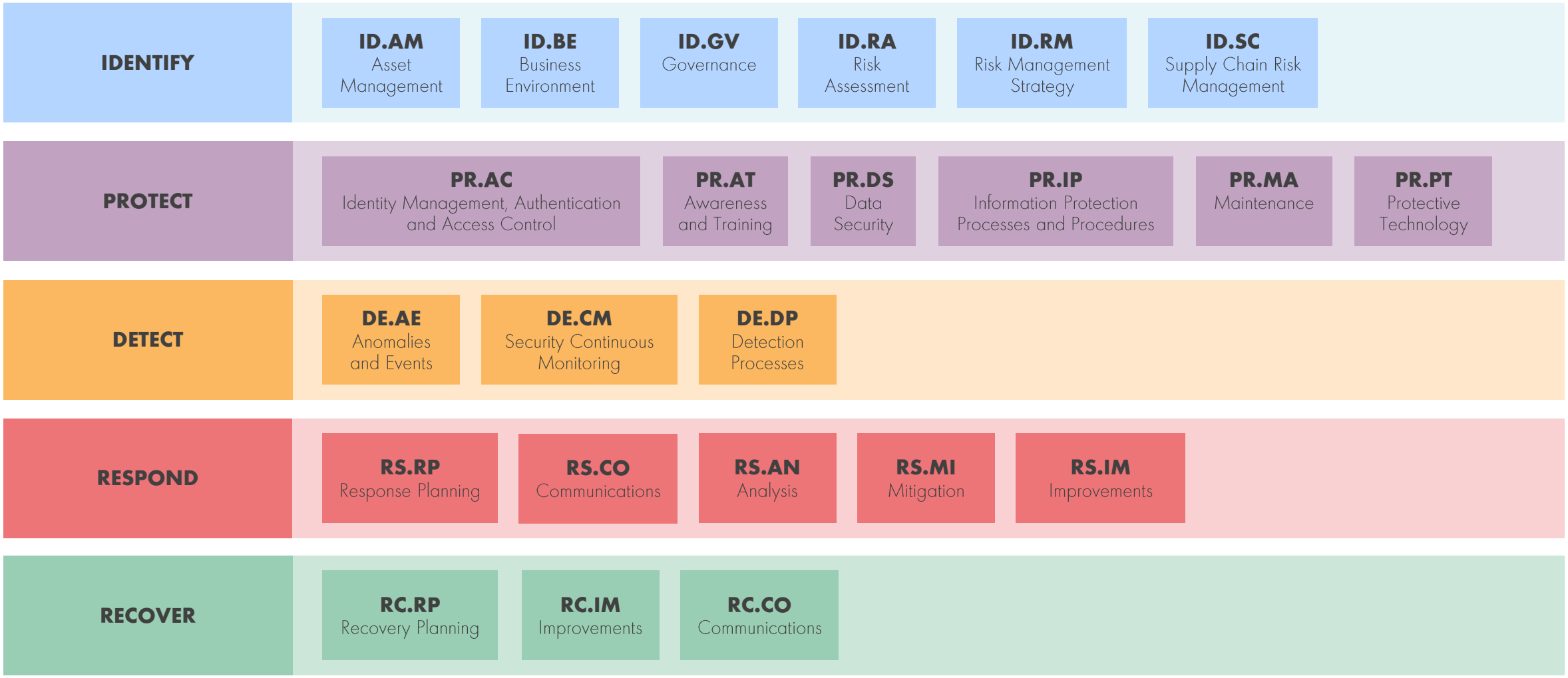
Imperatives reducing specific systemic risks

- Cyber Resilience
- Strengthen PCD
- Supply Chain, 3rd Parties & JV-NOVs
- Identity is key
- Next Generation IRM

Foundational imperatives addressing all systemic risks

- Brilliant Basics
- Zero Trust Unless
- Data Protection

The NIST Framework is an industry standard framework to manage cybersecurity risk. It consists of 5 functions and is based on a 'bow-tie' model



Fit-for-purpose cybersecurity services are offered

With the aim to protect business value the focus is on key services with strategic intent

Strategic	**Open-Source Intelligence (OSINT Scan)**		External perimeter scan assessing the company's digital footprint from a hacker's perspective
	Cyber Security Maturity Assessment		Extensive insight into the current maturity of the cybersecurity and IRM organization of the venture. Assessment is done against the industry standard NIST framework
	Target Cyber Maturity and Roadmap		Based on GAP between the current and target maturity, a comprehensive roadmap is defined to help ventures increase their maturity
	IT Control Framework Assessment		Formalized fit for purpose reviews of Design and Operating effectiveness of NOV IT Control framework
	Senior Management Awareness Workshop		Bring awareness to senior management on their role towards addressing cyber risk and the importance of IT to successfully execute on their business strategy
	CISO Bootcamp		A personalized training workshop to support CISO's in building their strategic plan
Specialist	**Penetration Testing**		Testing a computer system, network or web application to find security vulnerabilities that an attacker could exploit
	Breach Assessment		Assessing past and/or current attacker activity in your network or systems
Best Practice & Community	**NOV Cybersecurity Forum**	F	Community of practitioners in the field of cyber security between Shell and the JV/NOV partners
	Phishing Campaign Service		Phishing simulation campaign service. NOVs/JVs can opt-into Shell's global service
	Think Secure	F	Best practice materials in support of any security awareness program. Content is generalized (no Shell logo's etc) and updated/shared on a quarterly basis
	Cyber Threat Advisory Reports	F	Threat intelligence report is provided on a quarterly basis. NOV/JV partners can sign up to receive it.
	Custom		Any request for which there is no predefined service can be taken into consideration

Conversations you can have in your business

How is your **leadership** creating a **security culture**?

Do you do the **cyber foundations** well?

How secure is your vendor and **supply-chain** ecosystem?

Are you buying technology from fewer and more **secure vendors**?

How do you know your **mission critical systems are secure**?

How would you **detect, investigate** and **recover** in the event of an **incident**?

Q&A