

The Business of Cyber Attacks

> Insurance Technology 'Security Matters' Forum, 16th February 2016



the business of cyber attacks

> welcome

BAE SYSTEMS

We help nations, governments and businesses around the world defend themselves against cybercrime, reduce their risk in the connected world, comply with regulation, and transform their operations.



Russell Kempley – Head of EMEA Technical Services Helping our customers by delivering cyber expertise in Threat Intelligence, Penetration Testing and Incident Response



the business of cyber attacks

> overview

The attacker's business...

...is knowing your business

So you need to...

...defend your business



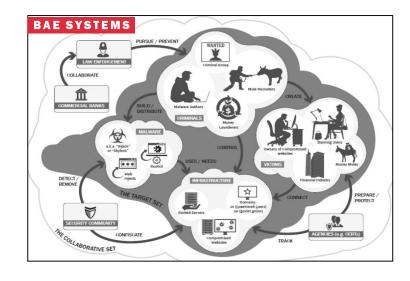
the attackers' business...

> examples

"Malware as a service - cyber crime's new industry"

"Hackers for hire"

"Global action targeting shylock malware"



showing the complex business processes behind the shylock campaign.



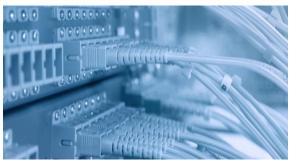
> the business model



Social Employees Users



ApplicationProcess
Business Logic



Network Technology System



> the business model

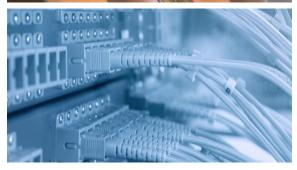


Social Employees Users





ApplicationProcess
Business Logic



Network Technology System



> the business model

Cyber

Enabled

Crime









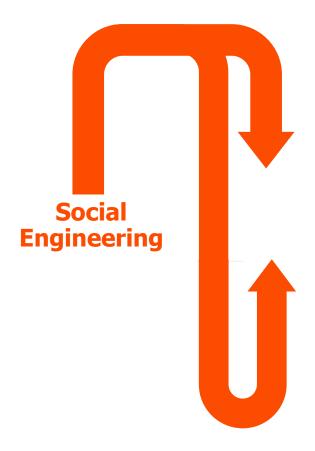
Social Employees Users

ApplicationProcess
Business Logic

Network Technology System



> the business model









Social Employees Users

ApplicationProcess
Business Logic

Network Technology System

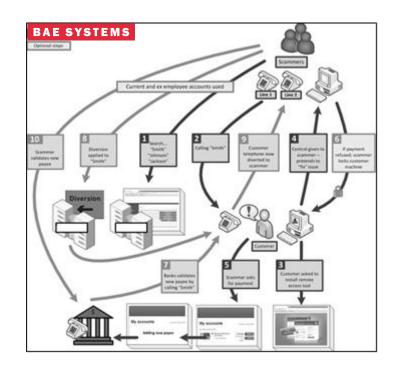


> examples

"SRA warns of 'Friday afternoon fraud' risk"

"Security Vendors Report Uptick in Whaling, Phishing Scams"

"BlackEnergy trojan strikes again"



BAE Systems incident response revealed a complex fraud which operated with detailed knowledge of the target business.



defend your business

> three pillars





defend your business

> cyber security lifecycle **Cyber Consulting Cloud Security** Strategy and risk, Security assurance, **Email & Web Protection Services Improvement and SI Hosted Applications, Private Cloud Threat Intelligence** Actionable insight of attack group behaviours and techniques **Mobile Protect PROTECT PREPARE Intelligent Protection for Security Testing** smart mobile devices Measure your true resilience to internal and external threats **Industrial Protect** Military grade protection **Incident Management** of critical plant operations Working as part of your team to lead an effective response **RESPOND MONITOR Incident Response Active containment of live** targeted cyber attacks **Managed Security CvberReveal Network Security Monitoring, Managed Threat Analytics, Intelligence** Threat Analytics, Vulnerability Management, **Management & SOC Efficiency Device Management**



defend your business

> intelligence-led security testing

Who might attack and why?

What tools would be used?



Attack scenarios

Safe testing scope



Will the attack succeed?

Would it be detected?



thank you



BAE SYSTEMS

Surrey Research Park Guildford Surrey GU2 7YP United Kingdom

T: +44 (0)1483 816000

F: +44 (0)1483 816144

Copyright © 2016 BAE Systems. All Rights Reserved.

BAE SYSTEMS, the BAE SYSTEMS Logo and the product names referenced herein are trademarks of BAE Systems plc.

No part of this document may be copied, reproduced, adapted or redistributed in any form or by any means without the express prior written consent of BAE Systems.

BAE Systems Applied Intelligence Limited registered in England and Wales Company No. 1337451 with its registered office at Surrey Research Park, Guildford, England, GU2 7YP.

