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Cyber security

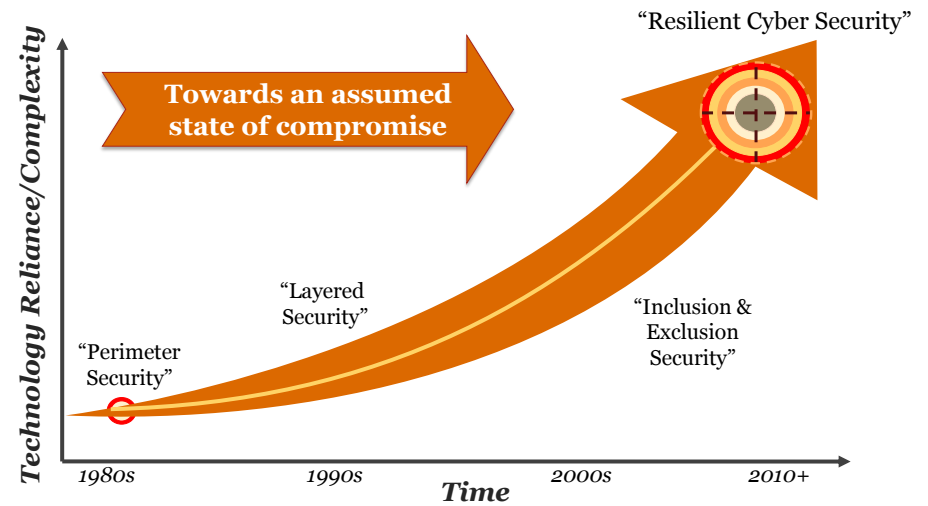
GIRO

Jonathan Burdett, PwC

9 October 2013

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Evolution to resilient cyber security



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Some context



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There are plenty of worrying statistics

93%

£450-850,000

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How the threat is evolving

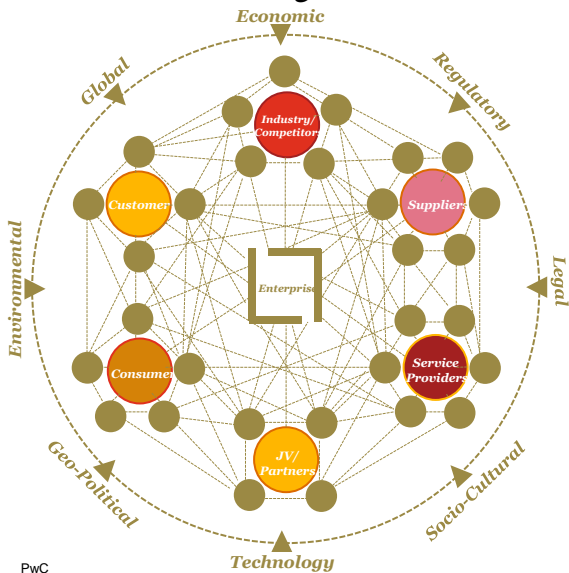
	Motivators	Threat Vectors	Impact
Nation States	<ul style="list-style-type: none">• Global competition• National security	<ul style="list-style-type: none">• Targeted, long term cyber campaigns with strategic focus	<ul style="list-style-type: none">• Loss of R&D intellectual capital• Disruption to critical infrastructure
Cyber Criminals	<ul style="list-style-type: none">• Illicit profit• Fraud	<ul style="list-style-type: none">• Individual identity theft• Data breaches and intellectual property theft	<ul style="list-style-type: none">• Loss of identity• Monetary loss• Intellectual property loss• Privacy
Cyber Terrorists	<ul style="list-style-type: none">• Ideological• Political• Malicious havoc	<ul style="list-style-type: none">• Financial and government systems• Large companies	<ul style="list-style-type: none">• Destabilize, disrupt and destroy cyber assets of corporations and enemy nations
Hacktivists	<ul style="list-style-type: none">• Political cause rather than personal gain	<ul style="list-style-type: none">• Targeted organizations that stand in the way of their cause	<ul style="list-style-type: none">• Disruption of operations• Destabilization• Embarrassment

More sophisticated, more varied objectives and goals, more unpredictable

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Harder to defend



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- Technology-led innovation has enabled business models to evolve.
- The extended enterprise has moved beyond supply chain and consumer integration.
- Connectivity and collaboration now extends to all facets of business.
- Creating a dynamic environment that is increasingly interconnected, integrated, and interdependent.
- Where changing business drivers create opportunity and risk.

The stakes are rising

“The time has come for a step change in the way Europe addresses Internet security issues.”

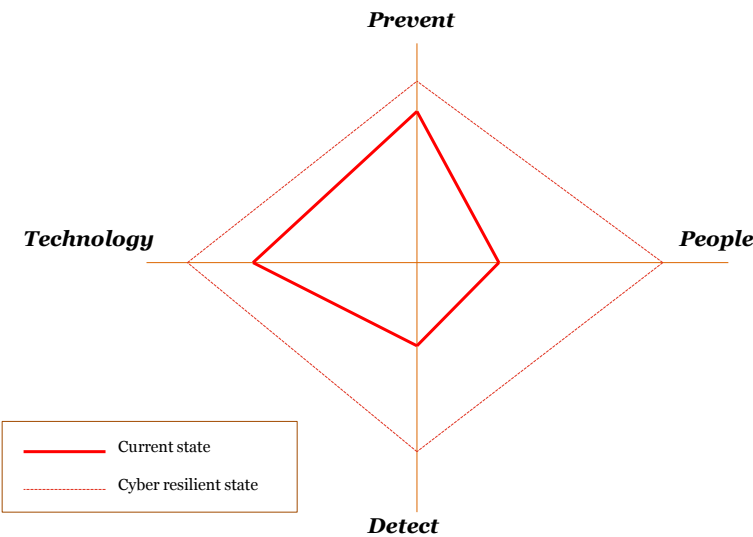
Source: Proposal on a European Strategy for Internet Security, Q3 2012



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Re-assessing your response to cyber risk



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