



THE SECURITY STANDARD™



Securing the Enterprise from a Dangerous Cyberworld

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Produced by
CSO

Preparing Your Company and Budgets for Consumerized IT

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Session Objectives

- What is *consumerization*?
- What are the primary challenges associated with the consumerization of IT?
- What policies are necessary to prepare your company for the consumerization of IT?
- How can I support the consumerization of IT yet still maintain an effective security posture?
- How do I budget for the consumerization of IT?
- What are some of the key recommendations associated with the consumerization of IT?



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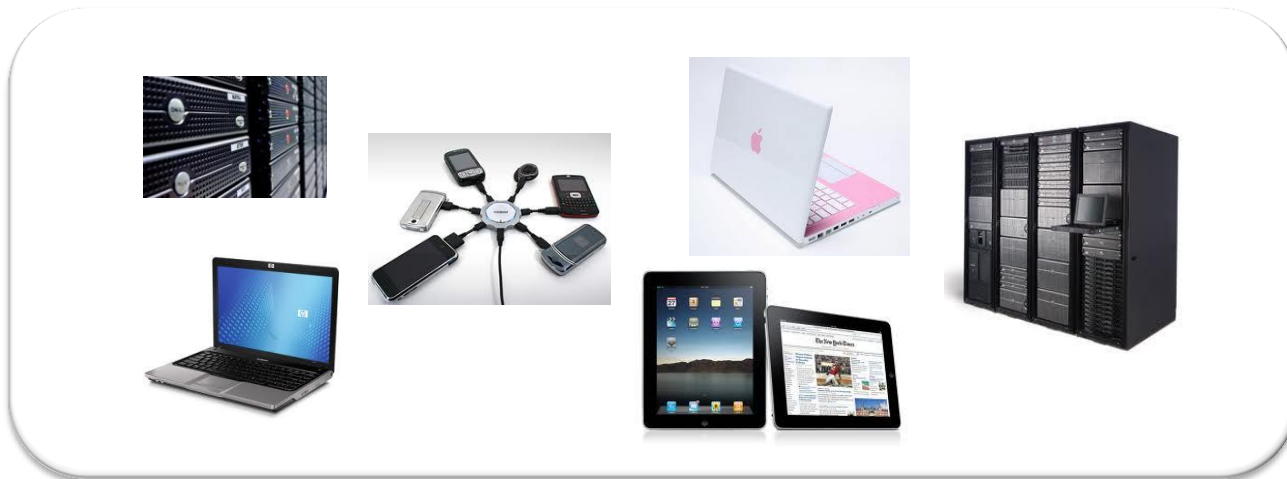
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Consumerized IT – Defined

The migration of consumer technology – including electronic devices, platforms, and applications – into enterprise computing environments



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Consumerized IT – Defined

Why is it happening?

- Blurring of work and home environments (flexible work arrangements, remote workforce, 24x7 availability)
- Increased availability and use of consumer smartphones, media tablets, etc.
- End user expectations of IT are changing --- with new generations of workers, end-user technology is increasingly becoming a talent recruitment and retention opportunity

How have consumer-owned devices entered our environments?

- An employee owns or purchases a secondary system to supplement the primary device offered by the enterprise
- The employee owns or purchases a consumer device, such as a tablet, to use as a supplement to the primary PC or notebook
- The company requires an employee-owned system as a prerequisite to being hired
- The company offers an employee-owned program to workers for their primary device



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Consumerized IT – Defined

- According to a 2009 Gartner survey, US companies expected a 60% growth in the number of employee-owned PCs from 2009 to 2010
- According to recent Forrester Research, half of the smartphones in use among US business are not company-issued equipment. Smartphone use is expected to triple amongst US-based workers by 2013
- A November 2010 Gartner research document predicted the tablet market to grow from 19 million units in 2010 to 208 million units in 2014



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Updating Policies to Support Consumerized IT

Companies need to review existing IT policies, articulate an end-user workplace and technology philosophy, and use that as a basis for a consumerization strategy



Intended Objective

Corporate IT policies prohibit the use of employee-owned devices in the name of security...

Actual Result

Users seek opportunities / methods to circumvent policy restrictions and create new security holes.



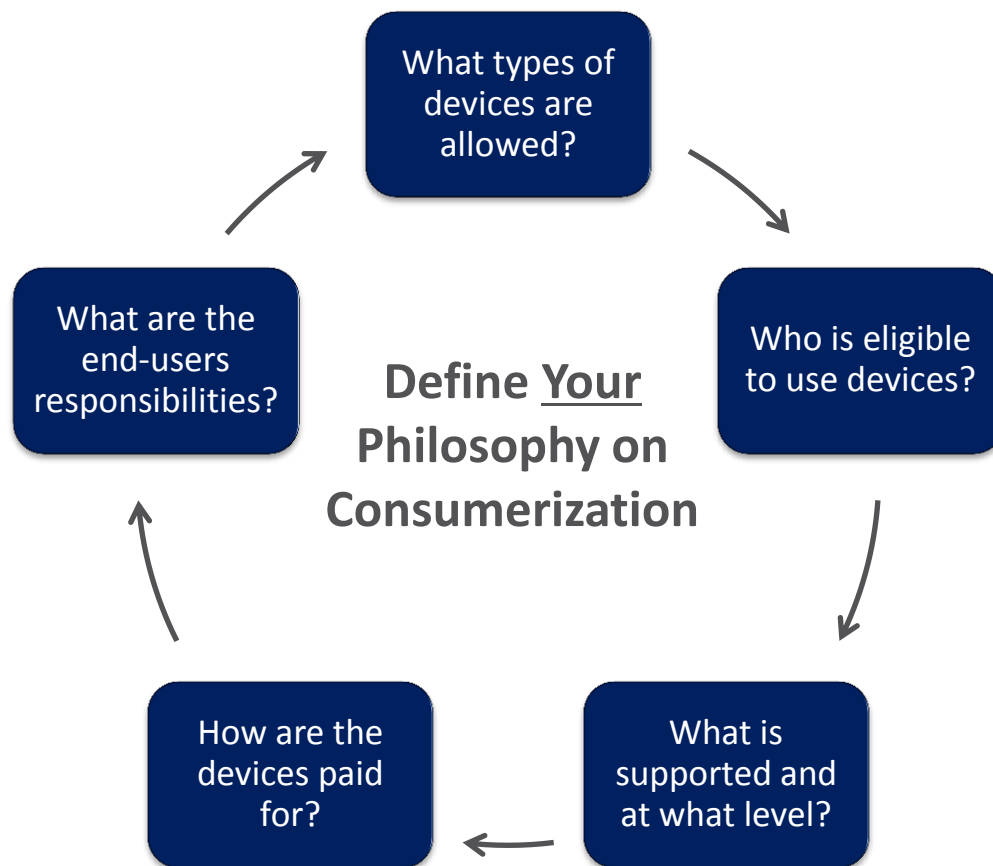
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Updating Policies to Support Consumerized IT



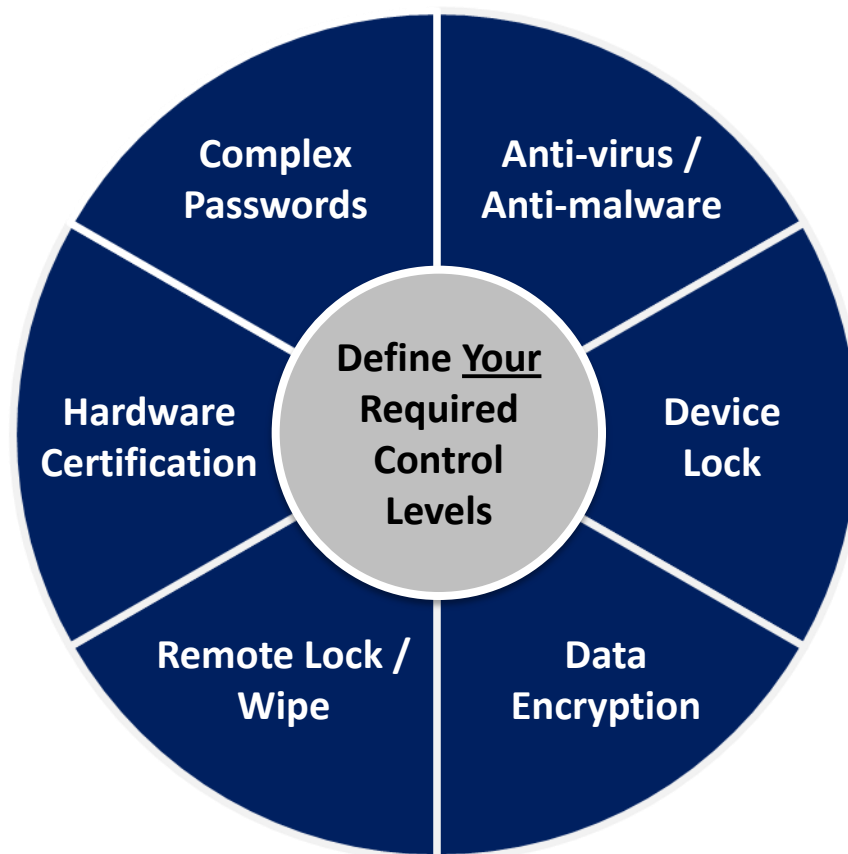
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Updating Policies to Support Consumerized IT



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Updating Policies to Support Consumerized IT

Ensure policies address each of the following areas (at a minimum):

- Define the **types** of consumer-owned computing devices that are allowed
- Identify workers that are **eligible** to use their own systems
- Explain how and where data may be **used / stored**
- Refer to applicable **security policies**
- Define **eDiscovery** and **data retention** requirements



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Policy Monitoring and Enforcement

- Management is well-positioned to address policy breaches, though technology solutions are also available to assist with enforcement.
- Enforcement mechanisms include:
 - Firewalls
 - IP Whitelisting
 - Device Management Solutions

BE EXPLICIT: Policy violations, device loss, and/or leaving the company may result in wiping the device.



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Mobile Device Management (MDM) Solutions

Should you invest in an MDM solution?

- How many management systems are required to support the expanding number of devices approved for use in your environment?
- How do you validate that devices comply with policies? Does adequate reporting exist to enable this capability?
- Do current systems provide the security and audit controls required to deal with the inevitable loss or theft of a device?



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Budgeting Considerations

- **Hardware** – Continue to pay for most critical devices --- when devices are for employee convenience, the company should not pay
- **Software support** – Usually considered employees' responsibility
- **Telecommunication / Data Services** – Pay for mission-critical user access and access when employee is using services because the company has required them to do so
- **MDM Solution** – Charges are usually per device or per user and are incurred on a monthly basis



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Summary Recommendations

1. Articulate an end-user workplace and technology philosophy, and use that as a basis for setting consumerization strategy
2. Recognize that IT security policies that restrict the use of personal devices may actually increase security risk
3. Liberalize rules that prohibit business use of employee-owned technology
4. Develop a clear point of view on enterprise versus employee cost sharing
5. Consider desktop virtualization and other leading-edge technologies to reduce security and data-loss risks as the demand for consumerization grows

** Excerpted from 'CIO Strategies for consumerization: The future of enterprise mobility' by Paul D'Arcy, DELL Power Solutions, 2011 Issue 02*



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Thank You!

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