

You Must Secure Devices as Well as Data

Session 104-A

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Secure Products – Beyond Data Protection



Data At Rest Protection – A Good Story

Seagate Secure Solutions

Coughlin Associates: "Self-Encrypting Drive Market and Technology Report", 2015 :

"By 2017 we project that 100% of all HDDs shipped will be SED capable,

By 2014 almost all SSDs were SED capable and by 2015 they all have this capability."

Customer Needs

FIPS 140-2 CERTIFIED

Self-Encrypting FIPS Drives

Government-Grade Security

TCG-COMPLIANT SECURITY

Full Deployment with Key Management Software

Self-Encrypting Drives

Data-At-Rest Protection

INSTANT SECURE ERASE

Quick and Simple
Crypto-Erase and Sanitize Features

Easy Disposal and Repurposing

BASE DRIVE SECURITY

Cryptographically-Signed Firmware, Secure Boot and Protected Download/Diagnostic Ports

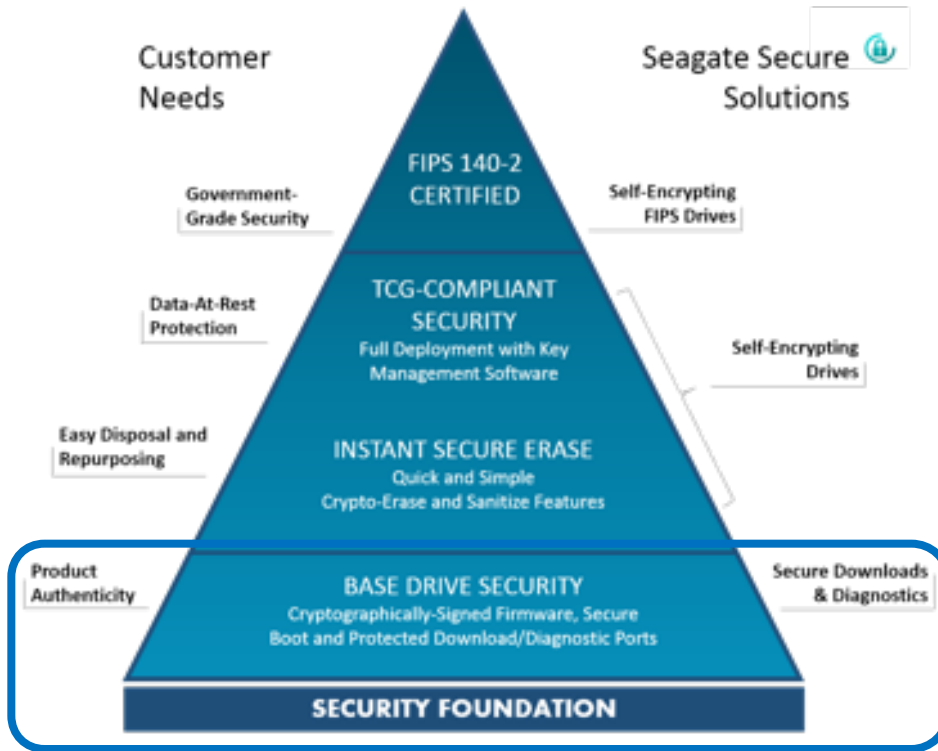
Secure Downloads & Diagnostics

Product Authenticity

Product Security

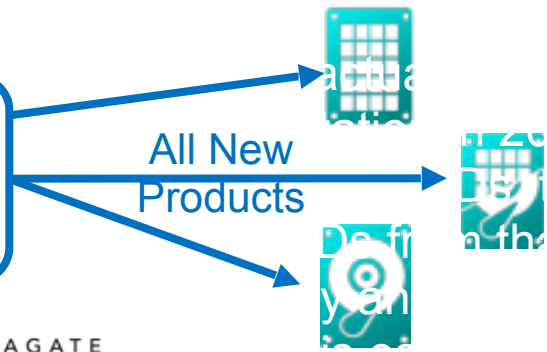
SECURITY FOUNDATION

But..... Need Security Everywhere



Coughlin Associates: "Self-Encrypting Drive Market and Technology Report", 2015 :

"By 2018 about 11% of all HDDs shipping units will shift to SED enabled or promoted products"

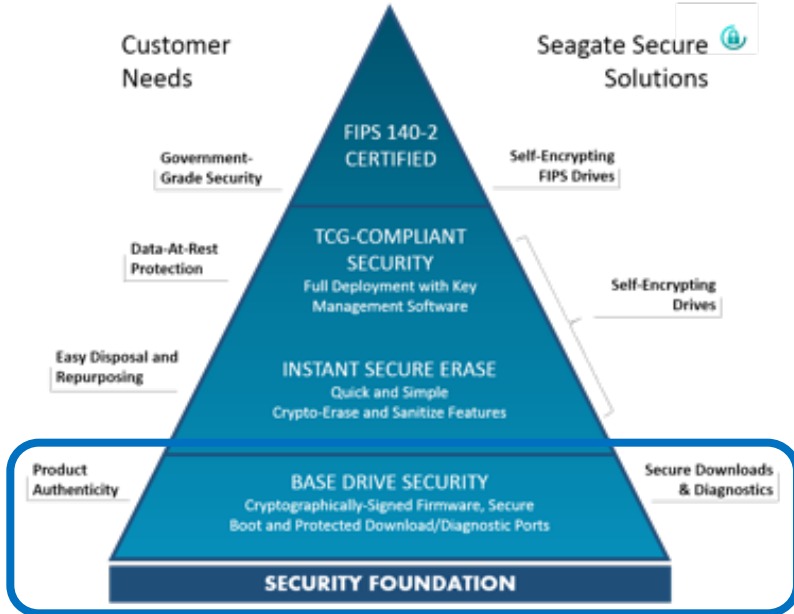


What is Security Moving Forward?

Security in All Products



Product Security/Cybersecurity



Product Development



Infrastructure



Increasing Assurance
(Authentic & Unaltered)



Manufacturing



Supply Chain

What to Do & How to Talk About It?

Policy, Standards, Certifications



Open Trusted Technology Provider™
Standard (O-TTPS) & Accreditation



FDE cPP Certification
cPP - Authorization Acquisition
cPP - Encryption Engine



ISO/IEC - 27040
ISO/IEC - 27001



FIPS 140 Product Validation
FIPS XXX Compliance & Certifications
800-XX Compliance & Certifications
Cybersecurity Framework



Security Protocol & Capabilities
Product Certification - Whitelist

Identify

Protect

Detect

Respond

Recover

Calls To Action

1. Good Security In All Products
2. Good Product Security Life Cycle.
3. Transparency & Assurance in Policy, Standards, and Certifications

Thank You! Questions?



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#505

Learn how Seagate accelerates storage with one of the broadest
SSD and Flash portfolios in the market

Speaker Bio



Monty Forehand is The Director of Security Engineering at Seagate Technology, leading security products engineering, standards, certifications, and ecosystem development worldwide across product lines. He is a pioneer in the secure storage industry leading the architecture & development of the world's first fully integrated Self Encrypting Drive, First-ever FIPS-140 validated SED, and has led the industry to numerous enabling technologies and standards globally. Monty is a frequent storage security speaker and industry resource globally. He holds 17 patents in the areas of Storage Architecture, Storage Virtualization, and Storage Security.