

Microsoft Windows 10 Security



SWC | TECHNOLOGY PARTNERS

About SWC Technology Partners



SWC is a leading provider of innovative IT solutions for the mid-market. For more than 35 years, SWC has excelled at providing strategic guidance and delivering best-in-class solutions tailored to fit growing organizations.

Award Winning IT Solutions Provider

CRAIN'S
CHICAGO BUSINESS

**BEST PLACES
TO WORK**
2015

2012 2013 2014 2015

**Inc.
5000**

THE INC. 500 | 5000
IS AN EXCLUSIVE RANKING OF
AMERICA'S FASTEST-GROWING
PRIVATE COMPANIES

2012 2013 2014 2015

AWARDS



[VIEW ALL AWARDS](#)

BRILLSTREET
TOP 50 CHICAGO
GENERATION Y
EMPLOYERS

MSPmentor
501

PROUD MEMBER OF THE
GLOBAL EDITION

2012 2013 2014 2015

Microsoft Partner



CENTRAL REGION PARTNER
OF THE YEAR AWARD
CUSTOMER LOYALTY AND
SATISFACTION

CHICAGO'S
101
BEST AND
BRIGHTEST
COMPANIES
TO WORK FOR

2012 2013 2014 2015

THE COMPUTERWORLD
HONORS PROGRAM
LAUREATE

The Computerworld Honors program,
founded in 1988, recognizes
organizations and individuals who
have used information technology to
change the world for the better.

INTERACTIVE
MEDIA AWARDS

WINNER

2015

The Interactive Media Awards honor
individuals and organizations for their
outstanding achievement in website
design and development.

Windows 10 Security

- Today's Cyber Threats
- Anatomy of an Attack
- Windows 10 Security Features
- Q&A



Today's Threats



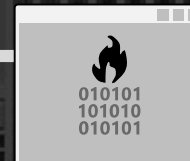
THE ANATOMY OF AN ATTACK



Healthy
Computer



User Receives
Email



User Lured to
Malicious Site



Device
Infected with
Malware



Healthy
Computer



User Receives
Email



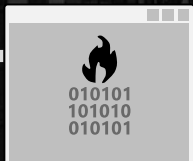
User Drags to
Malicious Site
Device



Identity Stolen,
Anfacked With
Increased Privs



Receives
I



User Lured to
Malicious Site



Device
Infected with
Malware



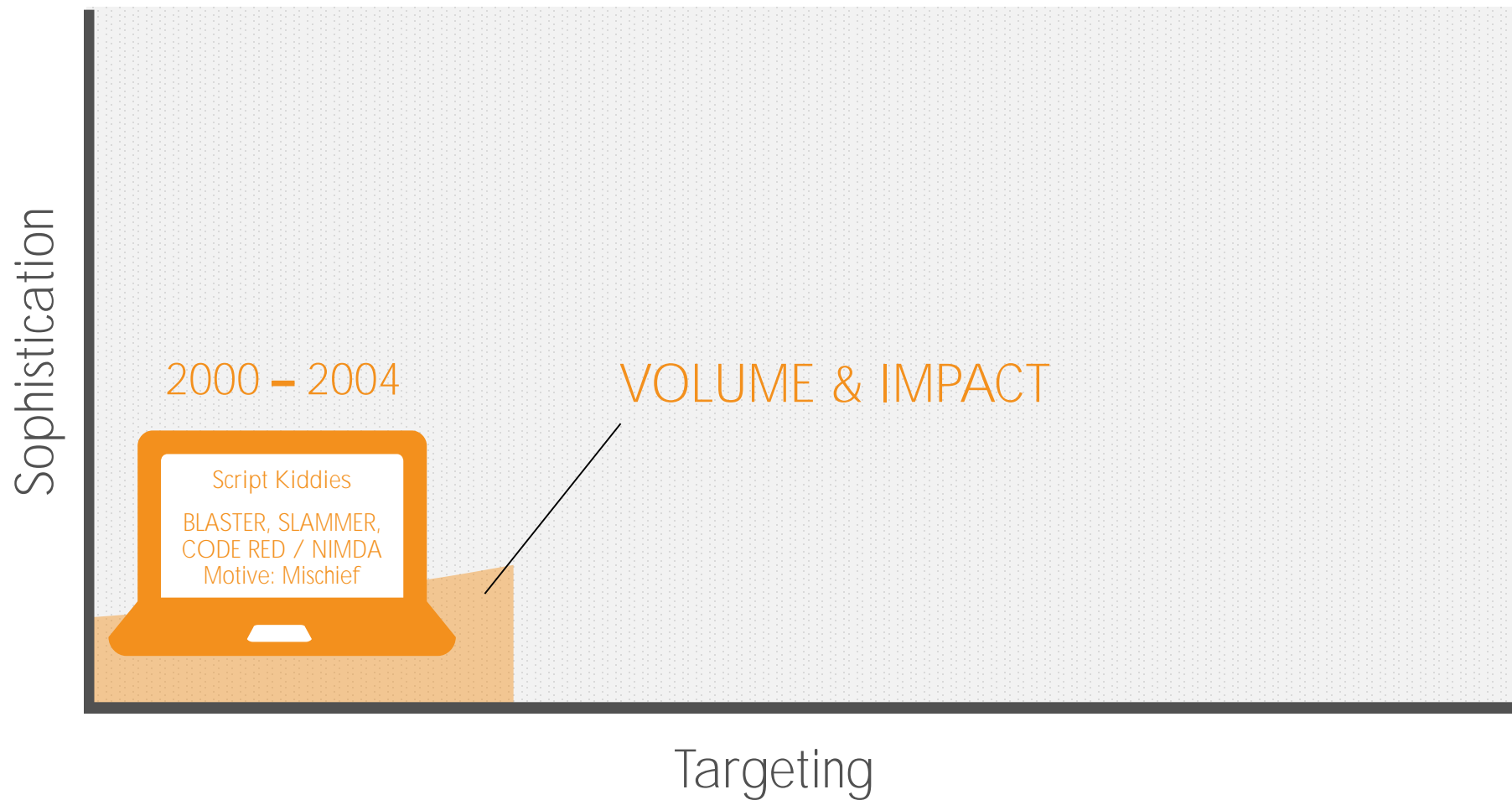
HelpDesk
Logs into
Device



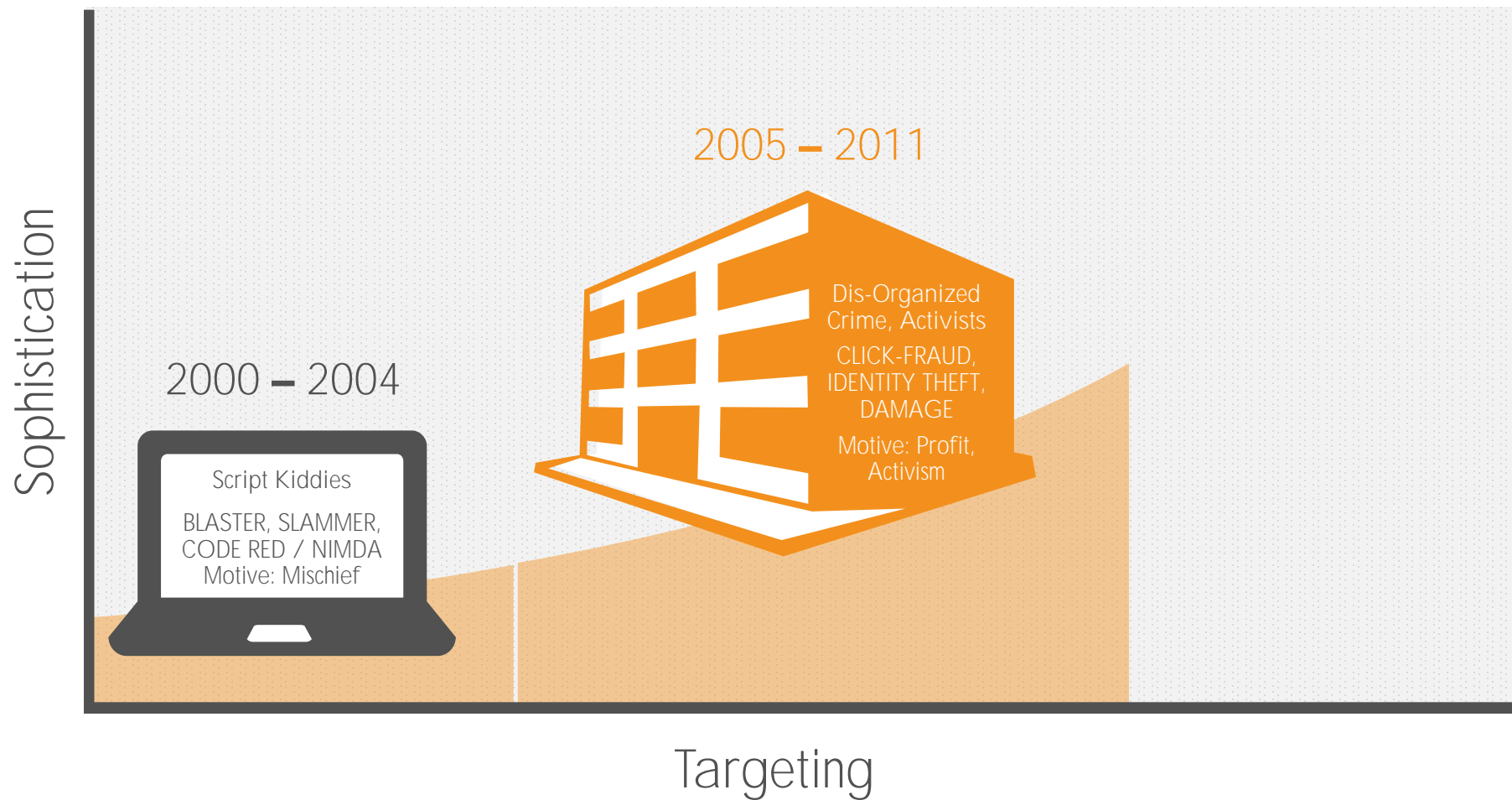
Identity Stolen,
Attacker Has
Increased Privs



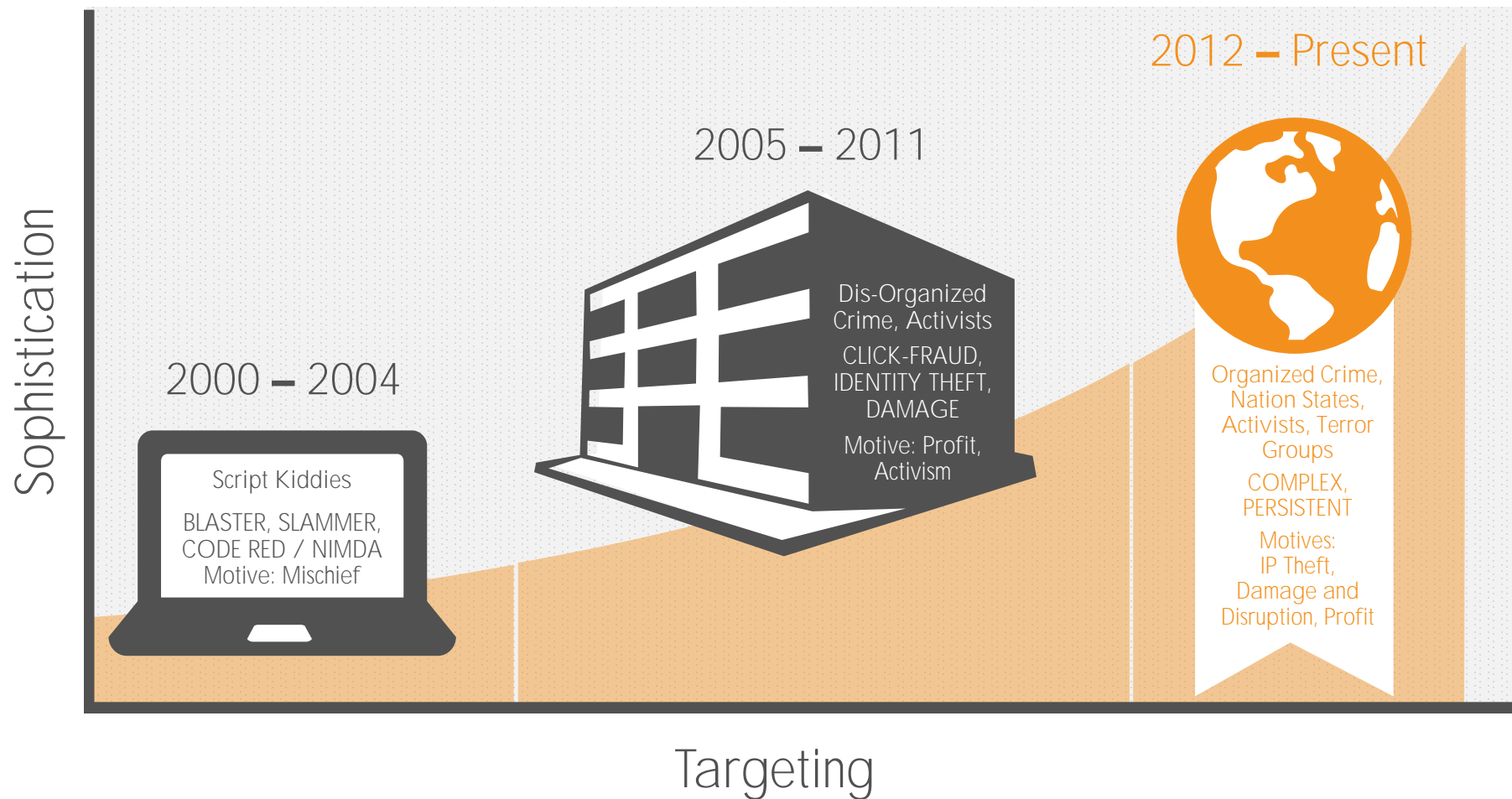
The Evolution of Attacks



The Evolution of Attacks



The Evolution of Attacks



New Challenges **Require** a New Platform

Windows 7

Windows 10

Identity Protection

Passwords theft is increasingly **successful and today's multi-factor** solutions have proven cumbersome and costly to deploy.

Offers an easy to use and deploy multi-factor solution with anti-theft and phishing. Comes with the convenience of a password, but the security of the best multi-factor solutions.

Data Protection

Offers optionally configurable disk encryption, but lacks integrated DLP. Use of 3rd party solutions with varying experiences on mobile and desktop.

Market leading disk encryption increasingly enabled OOB and is highly manageable. Data loss prevention and data separation is fully integrated into the experience.

Threat Resistance

Apps are trusted until they're determined to be a threat.
No realistic way to detect 300K's+ new threats per day. Frequent use of 3rd party.

Mobile level of lockdown possible for desktop machines. Devices able to move trusted app model where untrusted apps are unable to run.

Device Security

Platform security built on software alone creates opportunity for malware to hide from security solutions, embedding in the device itself.

Integrated platform and hardware security provides protection from power on to power off and reduces the opportunities to tamper with and hide from the system.



Protection against modern security threats



Securing your
identities

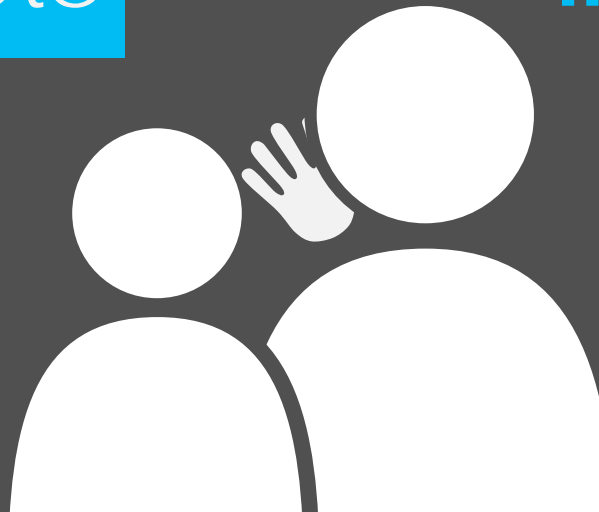
Securing
your data

Securing your
devices

Shared Secrets

Easily mishandled
or lost

(Hint: The user is the problem)



shhh!

Microsoft Passport & Windows Hello

- Easy to deploy two-factor password alternative
- Breach, theft, and phish resistant credentials
- Single sign-on experience
- Convenience, with enhanced security



Credential Guard

- Protect credentials from being stolen from memory
- Prevent attacks leveraging pass-the-hash





Protection against modern security threats

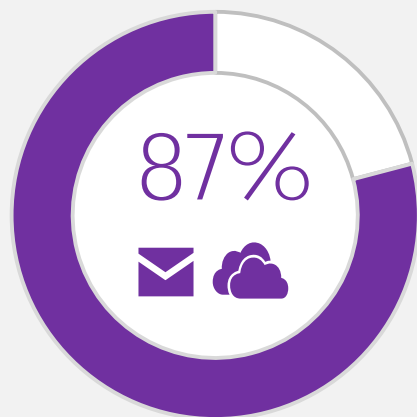


Securing your identities

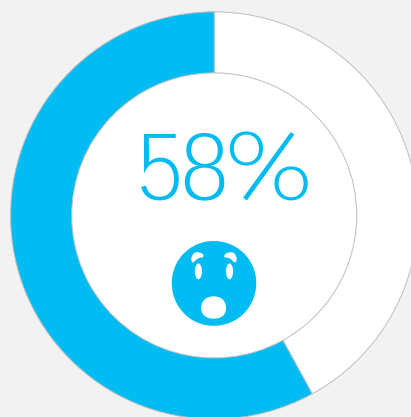
Securing your data

Securing your devices

Data Leakage

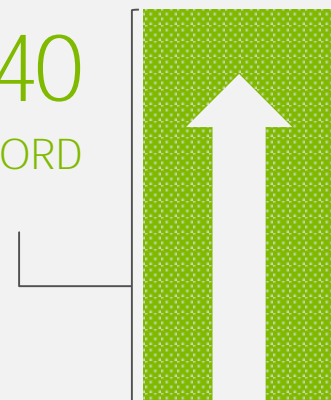


...of senior managers admit
to regularly uploading work
files to a personal email or
cloud account¹



Have accidentally sent
sensitive information to the
wrong person¹

\$240
PER RECORD



Average per record cost of
a data breach across all
industries²

¹Stroz Friedberg, "On The Pulse: Information Security In American Business," 2013

²HIPPA Secure Now, "A look at the cost of healthcare data breaches," Art Gross, March 30, 2012

Enterprise Data Protection

- Delivers user friendly corporate/personal data separation and containment
- Enables data protection wherever your data is located
- Ensures only trusted apps can access your data
- Protection for mobile and the desktop
- Sharing of EDP content protected with IRM



Early Designs, Not Final UI

Save As

OneDrive - Personal

Computer

+ Add a Place

Computer

Save As

OneDrive - Documents

Organize ▾ New folder

Name	Date modified	Type	Size	Availability
Office Docs	10/21/2014 4:37 PM	File folder		
Annual Report Draft 1	10/22/2014 9:13 PM	Microsoft Word Document	0 KB	Available
Britta's Notebook	10/9/2014 7:19 AM	Internet Shortcut	1 KB	Available

File name: Annual Report Draft 1

Save as type: Personal

Authors: Contoso

Tags: Add a tag

Title: Add a title

☒ Save Thumbnail

Hide Folders

Tools ▾ Save Cancel

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OneDrive - Personal

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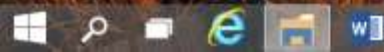
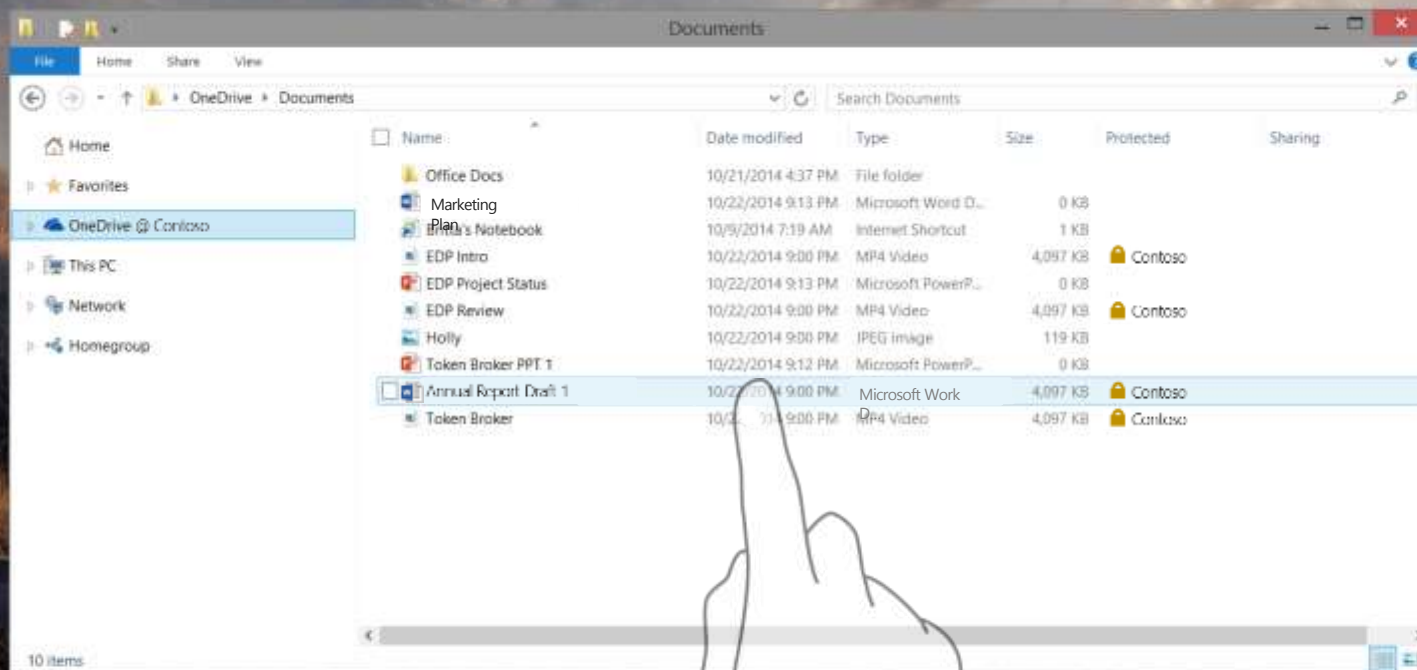
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Tools ▾ Save Cancel

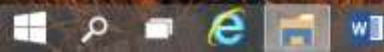
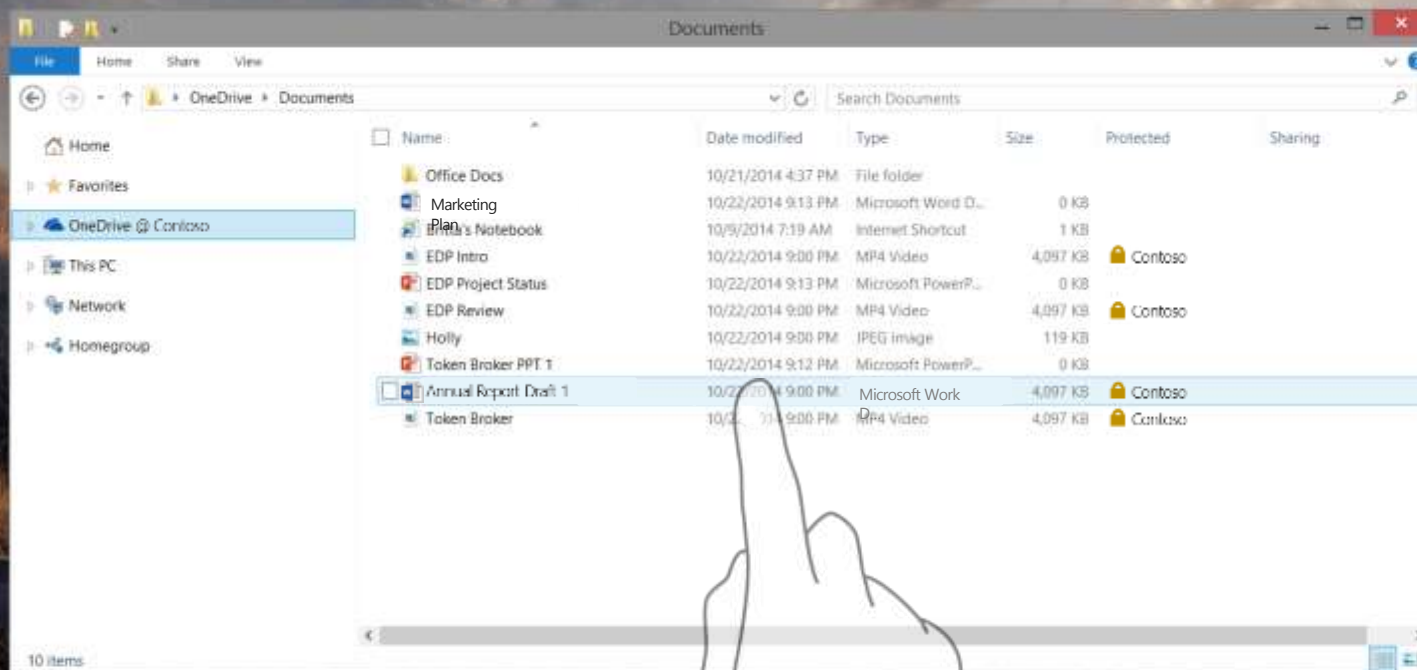


Early Designs, Not Final UI





Early Designs, Not Final UI



“HARD” BLOCK OPTION

Early Designs, Not Final UI

FINANCIAL HIGHLIGHTS (draft)

TOTAL RETURN v. S&P 500 Index, and the NASDAQ Index



OPERATIONS

We have operations centers that support all operations in their regions, including customer contract and order processing, credit and collections, information processing, and vendor management and logistics. The regional center in Iceland supports the European, Middle Eastern, and African region; the center in Texas supports the Japan, India, Greater China, and Asia-Pacific region; and the center in Orlando, Florida, Puerto Rico, and

2014 total return increased significantly, outperforming both the S&P 500 and the NASDAQ indices.

During fiscal years 2014, development expense was \$8 million, respectively. 1 of revenue in each of those years make significant investments and development efforts.

NOTE ABOUT FORWARD-LOOKING STATEMENTS

This report includes estimates relating to our business and operating results that are within the meaning of the Reform Act of 1995, Section 1933 and Section 21E of 1934. Forward-looking statements throughout this report, in “Business,” and “Market Analysis.” These forward-looking statements are identified by the words “anticipate,” “estimate,” “opportunity,” “plan,” “may be,” “will continue,” “we expect,” and similar expressions.

BUSINESS

Contoso was founded in 1995 with a company that actually exist. In this role, we deliver new market software, services, and devices that deliver new

Britta Simon

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Twitter profile for Britta Simon

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BitLocker Data Protection

- Protects data when a device is lost or stolen using full disk encryption
- Provides single sign on and protection from cold boot attacks
- Easy to deploy and manageable at scale
- Excellent integration, performance, and reliability
- Will be submitted for Common Criteria and FIPS 140-2 certification. Will be supported for HIPPA, PCI DSS, etc scenarios





Protection against modern security threats



Securing your identities

Securing your data

Securing your devices

TODAY'S CHALLENGE

Trusted by
default, until
defined as threat

APPS

Detection based
methods are
unable to keep up

DEVICE GUARD

Hardware rooted
app control

Enables a Windows desktop to be configured to only run trusted apps, just like many **mobile OS's** (e.g.: Windows Phone)

Untrusted apps and executables such as malware are unable to run

Resistant to tampering by an administrator or malware

Works on Windows 10 devices running Windows 8 certified hardware



Protection against modern security threats



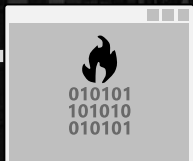
Securing your
identities

Securing
your data

Securing your
devices



Receives
I



User Lured to
Malicious Site



Device
Infected with
Malware



HelpDesk
Logs into
Device



Identity Stolen,
Attacker Has
Increased Privs

Tying It All Together

- Windows 10 brings revolutionary new technologies to **break the attacker's playbook**
- Windows 10 is great but you need a knowledgeable partner to help you get the most out of your security investment
- A solid security program will justify the technology investment
- Security awareness training reduces user risk



Why SWC?

- ✓ Balance of Technical, Business and Process
- ✓ Trusted, Established Partner with Over 30 Years Experience
- ✓ Holistic Approach
- ✓ Practicality – We Get Security is Not Everyone's #1 Priority
- ✓ Wide Range of Solutions

Resources & Next Steps...

1

Complimentary
Security Readiness
Assessment

2

Windows 10 PoC
& Pilot leveraging
Microsoft funding

3

Windows Desktop
Migration Path &
Roadmap Strategy

4

Office 365/ Azure
funding for
discovery & PoC



UPCOMING EVENTS

- 11.18.15 System Center & Azure Luncheon in Oak Brook
- 11.19.15 Internet of Things & BI Luncheon in Chicago
- 12.02.15 SharePoint Luncheon in Chicago
- 12.03.15 Skype for Business Luncheon in Oak Brook
- 12.09.15 Security 2.0 Luncheon in Oak Brook
- 12.10.15 Digital Marketing Strategies Luncheon in Chicago

Register at SWC.com/events