Digital Transformation

*Bringing the cloud down to earth*

Stuart McKee
Chief Technology Officer
Microsoft US Public Sector
HOW IT WORKS

HOW IT WORKS; Using the Web to Sound an Alarm on Missing Children

By BONNIE ROTHMAN MORRIS
Published: July 29, 2004

what
hath
god
wrought
COMPUTER SOFTWARE
The Magic Inside the Machine

Microsoft
Boss
Bill Gates
Microsoft Global Datacenters and Network Infrastructure

MICROSOFT'S CLOUD INFRASTRUCTURE
200+ Cloud Services

1+ billion customers · 20+ million businesses · 90+ markets worldwide
Software analysis indicates North Korea behind cyber-attack on Sony - NSA

By: Mike de Souza, Reuters
February 20, 2015 7:06 AM
December 19, 2014
OBAMA: SONY MADE A MISTAKE
A little closer to home
‘Crackas with Attitude’ hacker sentenced over targeting of U.S. officials
TEEN WHO HACKED CIA DIRECTOR’S EMAIL TELLS HOW HE DID IT
Pot-Smoking Teen Hacker Says He Broke Into CIA Director’s Email to Free Palestine
U.S. intelligence believes hackers working for Russia breached the Joint Staff’s email system, affecting about 4,000 civilian and military personnel. The attack has kept the unclassified email system down for nearly two weeks. David Martin reports from the Pentagon.
A top defense contractor left tens of thousands sensitive Pentagon documents on Amazon Server Without any protection in places.
FBI charges just landed Chinese dude with selling malware behind OPM hack

Welcome to Los Angeles Yu Pingan, here's your cell

Dave Neal
@daveneal23
25 August 2017
Why the OPM hack is an ongoing cyber headache
OPM Hack Far Deeper Than Publicly Acknowledged, Went Undetected For More Than A Year, Sources Say

By MIKE LEVINE  •  Jun 11, 2015, 4:59 PM ET
Military clearance OPM data breach 'absolute calamity'

By: Andrew Tilghman and David B. Larter  📅 June 17, 2015
The OPM Breach Is a Catastrophe

First the government must own up to its failure. Then the feds should follow this plan to fix it.

By David Auerbach
Massive IRS data breach much bigger than first thought
Breach at IRS Exposes Tax Returns

Thieves used agency’s online services to get information for about 100,000 households

IRS breach shows the importance of PII security
Who should get the blame in IRS breach?
What the Joint Chiefs’ Email Hack Tells Us About the DNC Breach
IRS blamed in massive South Carolina data breach
Lessons from Utah's Massive Data Breach (Opinion)

Utah's former CIO Steve Fletcher says cybersecurity is everyone's job.

BY STEVE TOWNS / JUNE 5, 2012
Why Healthcare Data Breaches Are a C-Suite Concern
State of Alaska Fined $1.7 Million for Security Breach
Info on 1.8 million Chicago voters exposed on Amazon server
Massive Equifax Data Breach Could Affect Half of the U.S. Population
THE EQUIFAX BREACH EXPOSES AMERICA'S IDENTITY CRISIS
Equifax chief quits over data breach

Credit reporting group splits top roles and promises ‘total focus’ on cyber security
All the examples could have been significantly mitigated, if not entirely avoided with three simple ideas.
Three simple ideas

1. Organizational Accountability
2. Identity Management
3. Cyber Hygiene
Organizational Accountability

Can someone ‘cut the wires’?
Identity Management

*Identity is the new firewall.*
Cyber Hygiene

Devices are the new perimeter.
“Hello?”

“This is Sam from Microsoft. Your computer is at risk. For just $600 I’ll be able to clean the viruses.”