Enhancing Your Workstation Security Using Windows 10 Group Policies

And other essential Windows 10 Security tips

Session 1132

ILTACON 2018

SPEAKER

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INTRO AND SESSION OVERVIEW

- What are the Threat Types?
- What are the Attack Vectors?
- How is Windows Addressing Security in Windows 10?
- How can You Secure Your Systems Using Group Policy?
- How can You Ensure Compliance with Security “Best Practices”?
- How can You Address Evolving Threats and Recommendations?

PART 1: YOU ARE UNDER ATTACK

ATTACK TYPES & VECTORS

WINDOWS DEFENDER CAN HELP

Wait, What?!?!?

PART 2: DEFEND YOURSELF!

YOUR HARDWARE PLAYS A PART

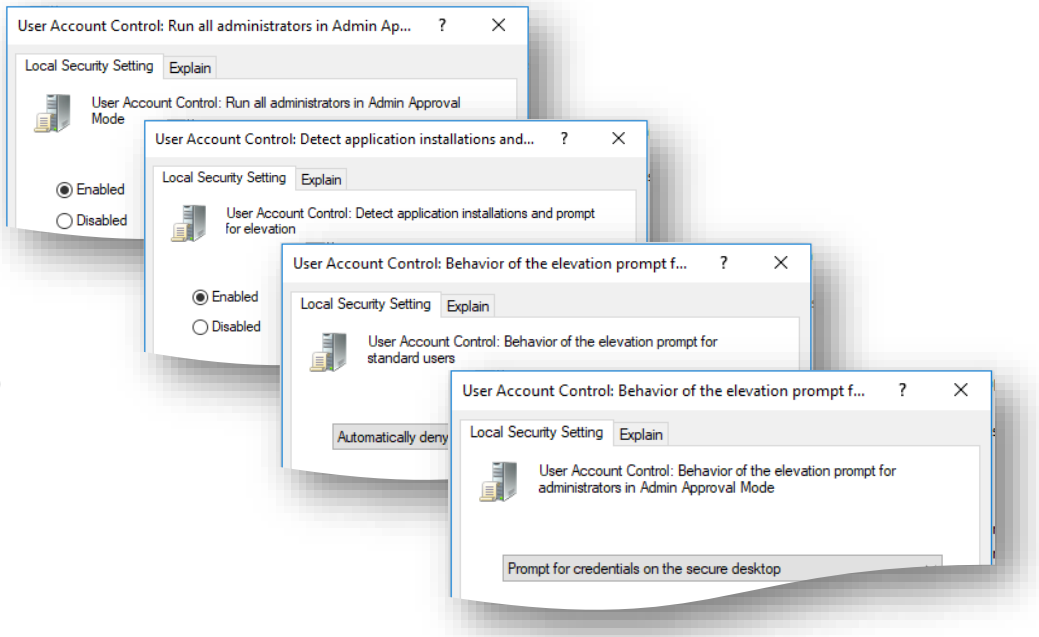
A BIG part!

VIRTUALIZATION BASED SECURITY

SECURING AUTHENTICATION & CREDS

SECURING THE OS AND CONFIGURATION

- User Account Control
  - Always prompt
- Run with Least Required Privileges
  - Never login as an admin (neither Domain nor Local)
  - Elevate when needed
  - Tiered Elevation



Computer Configuration\Windows Settings\Security Settings\Local Policies\Security Options

SECURING THE OS

with WDAV; WDAC; WDAG and other exploit protection

PART3: MAINTAIN YOUR DEFENSES

MICROSOFT SECURITY COMPLIANCE TOOLKIT (SCT)

- Replaces the Microsoft Security Compliance Manager
- A Collection of Tools and Assets for Evaluating and Securing Windows 10 According to Microsoft Recommendations
- Policy Analyzer
- LGPO
- Policy Rules and Sample Policies

MICROSOFT SECURITY COMPLIANCE TOOLKIT

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DEMO: SCT IN PRACTICE

Using the Security Compliance Toolkit to Audit and Maintain a Secure Desktop

Q&A

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