Learning Objectives: Protecting your personal computer and devices



# Module Learning Objectives

This purpose of this document is to identify and document the learning objectives of this training module. This information determines the contents of the training module, regardless of how it is communicated.

**Title**: Protecting your personal computer and devices

### Target Audience

All faculty, students and staff with computer access.

### Goal

Explain what good ‘computer hygiene’ is, and how learners can apply it to their computers and devices. Teach them that properly maintaining and managing their computers and devices can lower risks. Give them the information to make informed decisions on how to protect and maintain the systems they operate.

### Background

Computer security and threats apply to home computers as much as work computers. This section covers the core elements of good ‘computer hygiene’ for protecting individual’s machines and devices. This includes the basics of patching, backups, what encryption does and doesn’t provide, anti-virus, and firewalls. By developing good behaviors, users will be more likely to apply them to all computing tools they use.

### Learning Objectives

1. Learners can explain the need for patching computers and devices. They can also explain that patching/updating isn’t just adding new features, but that it also applies security fixes.
   1. *Individual Metric*: *Learner correctly identifies that patching/updating also applies security features in a test question or interactive training session.*
   2. *Organizational Metric*: *A sampling of devices to demonstrate that they are patching and updating their computers.*
2. Learners can explain the need for backing up their devices. They can also explain how to backup devices and computers.
   1. *Individual Metric*: *Learner correctly identifies the benefits and need for backups in a test question or interactive training session.*
   2. *Organizational Metric*: *Survey users to determine how many of the participants are backing up their systems/devices.*
   3. *Organizational Metric*: *Take a sample of computer with device backups on them using SCCM.*
3. Learners can explain what encryption is, what it protects against and how it is commonly used.
   1. *Individual Metric*: *Learner correctly identifies encryption benefits and usage in a test question or interactive training session.*
   2. *Organizational Metric*: *A sampling of devices to demonstrate that they are encrypted or using encrypted backups.*
4. Learners can explain the benefits of Anti-Virus and Anti-Malware tools and how they work.
   1. *Individual Metric*: *Learner correctly identifies the benefits of Anti-Virus tools in a test question or interactive training session.*
   2. *Individual Metric*: *Learner correctly identifies how Anti-Virus tools work in a test question or interactive training session.*
   3. *Organizational Metric*: *A sampling of devices and computers to demonstrate that they are using current and updated Anti-Virus and Anti-Malware tools.*
5. Learners can explain the benefits of personal firewalls and how to verify they are running on common operating systems.
   1. *Individual Metric*: *Learner correctly identifies the benefits of personal firewalls and how to enable them on common operating systems in a test question or interactive training session.*
   2. *Organizational Metric*: *A sampling of devices to demonstrate that they are using personal firewalls on their computers.*