The University of Aberdeen uses System Center Endpoint Protection software (SCEP) to protect networked Apple Macintosh computers and Windows PCs against viruses, spyware and other malicious software.

Malicious software can try to install itself on your computer any time you connect to the Internet, or when you install a program using a CD, DVD, or other removable media. Once installed, it may not be immediately apparent as it can be programmed to run at unexpected times.

SCEP prevents malicious software from infecting your computer via:

- **Real-time protection**
  By default, Endpoint Protection is configured to monitor your computer all the time and will alert you when a virus or other malicious software attempts to install or run on your computer.

- **Automatic scan**
  A full system scan is scheduled to run automatically every Wednesday lunchtime on all University computers.

- **Manual scan**
  You can also manually set Endpoint Protection to scan your whole MAC or specific drives, files or folders for potential threats that might put your computer at risk.

**Common symptoms of an infection**

The presence of malware on your computer may not always be immediately obvious, so it’s important to run regular scans; however, some of the more common symptoms are listed below.

- New toolbars, links, or favourites that you did not intentionally add to your web browser.
- Your home page, mouse pointer, or search program changes unexpectedly.
- You type the address for a specific site, such as a search engine, but you are taken to a different website without notice.
- Files are automatically deleted from your computer.
- Your computer is used to attack other computers.
- You see pop-up ads, even if you are not on the Internet.
- Your computer suddenly starts running more slowly than usual.

  **Note:** Not all computer performance problems are caused by malicious software.

**How to Open SCEP**

1. Click the SCEP Icon on the Menu Bar at the top right of the Apple Mac screen.
2. Choose Open System Center 2012 Endpoint Protection.
Manual weekly scan

1. Open SCEP.
2. Click Computer Scan.
3. Select Smart scan from the Computer Scan options.

The scan will start immediately. You will see the filenames flashing momentarily on the screen as SCEP scans each of the files on your Mac in turn.

A status bar indicates scan progress.

To abandon the scan, click Stop. You will be returned to a summary screen.

If a Smart scan does not detect any problems but you still suspect that there is a virus infection on your Mac, repeat the steps above but select Custom scan and then In-depth scan from the Computer Scan options.

Scanning a USB pen or a CD

1. Open SCEP.
2. Click Computer Scan and then Custom scan.
3. Leave on Smart scan or choose In-depth scan from the drop down options.
4. In the Scan Targets section, tick the drive corresponding to the device you want to scan.
5. Click the Scan button – see Manual weekly scan (above) for details of the process.

Scanning a Specific File or Folder

1. Open SCEP.
2. Click Computer Scan and then Custom scan.
3. Leave on Smart scan or choose In-depth scan from the drop down options.
4. In the Scan Targets section, navigate the drive structure to the specific file or folder and tick to select it.
5. Click the Scan button – see Manual weekly scan (above) for details of the process.
Completing a scan

Once a scan is complete, the Home screen will appear with a summary of the scan.

Click **OK** if no viruses have been found.

Manually updating SCEP

1. Open **SCEP**.
2. Click the **Update** option.
   
   The **Virus signature database** update date indicates when it was last successfully updated.

3. If an update is required click on **Update virus signature database**. A status bar will appear briefly as the latest update is downloaded.

What to do if a virus or other malicious software is detected

**Red icon**

1. As soon as SCEP detects that your Mac is at risk, the SCEP icon to the right of the Menu bar turns Red.
2. Click on the icon and choose **Open System Center 2012 Endpoint Protection**.
3. The **Protection status** will provide more information about the risk.
4. If the indication is that an **update** is required go through the update process as above.
5. If it is indicated that a **virus** has been detected carry out a **scan** immediately.
6. Click **Computer Scan** and then **Custom** scan.
7. Choose **In-depth scan** from the drop down menu.
8. Tick the **Macintosh HD** and any drives for **removable media**.
9. Click **Scan**
10. Wait for the scan to **complete**.

11. The summary displays the amount of objects scanned, the number of infected objects, and the number of cleaned objects. **System Center 2012 Endpoint Protection automatically cleans** infected objects by quarantining them.
12. Close **SCEP** by clicking on the small red button at top left of window.
13. The **SCEP** status icon will now have changed back to **green** as the threat has been removed.

**Note:** If you connect a USB drive to University classroom or Lecture Theatre Macs, any virus-infected file on your USB drive that is identified by the University’s anti-virus software as being high risk will be automatically deleted from your device.

### Status Icon

The status icon is located at the right hand side of the Menu Bar. It changes appearance according to the state of the software and whether it has detected any potential threats.

<table>
<thead>
<tr>
<th>Icon</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Icon 1" /></td>
<td>SCEP is up to date. It is unlikely that harmful or unwanted software is present. This should be the normal working status of SCEP.</td>
</tr>
<tr>
<td><img src="image2.png" alt="Icon 2" /></td>
<td>This occurs in one of the following circumstances:</td>
</tr>
<tr>
<td><img src="image3.png" alt="Icon 3" /></td>
<td><img src="image4.png" alt="Icon 4" /></td>
</tr>
<tr>
<td><img src="image5.png" alt="Icon 5" /></td>
<td>This indicates that SCEP has stopped working either due to:</td>
</tr>
</tbody>
</table>

- An infection by malware with a high severity rating.
- SCEP has not been updated for an extended period.

### Further information and help

Use MyIT to log calls with the IT Service Desk: [https://myit.abdn.ac.uk](https://myit.abdn.ac.uk)