Practice Labs - Ethical Hacker v10

Evading Firewalls

Introduction

Ethical Hacking
Anonymous Proxy
Proxy
Firewalls
ZoneAlarm

Welcome to the **Evading Firewalls** Practice Lab. In this module, you will be provided with the instructions and devices needed to develop your hands-on skills.

Learning Outcomes

In this module, you will complete the following exercises:

- Exercise 1 - Install and Configure ZoneAlarm Firewall
- Exercise 2 - Using Anonymous Proxy Sites

After completing this lab, you will be able to:

- Download and Install ZoneAlarm Free Firewall and Verify ZoneAlarm Installation
- Manage ZoneAlarm Settings

- Configure ZoneAlarm to use a Proxy Server
- Update the ZoneAlarm Definitions and Perform a Quick Scan
- Work with ZoneAlarm Logs
- Bypass Blocked Sites Using Anonymous Website Surfing Sites

Exam Objectives

The following exam objectives are covered in this lab:

- **4.3** Information Security Tools

> ***Note:*** *Our main focus is to cover the practical, hands-on aspects of the exam objectives. We recommend referring to course material or a search engine to research theoretical topics in more detail.*

Lab Duration

It will take approximately **1 hour** to complete this lab.

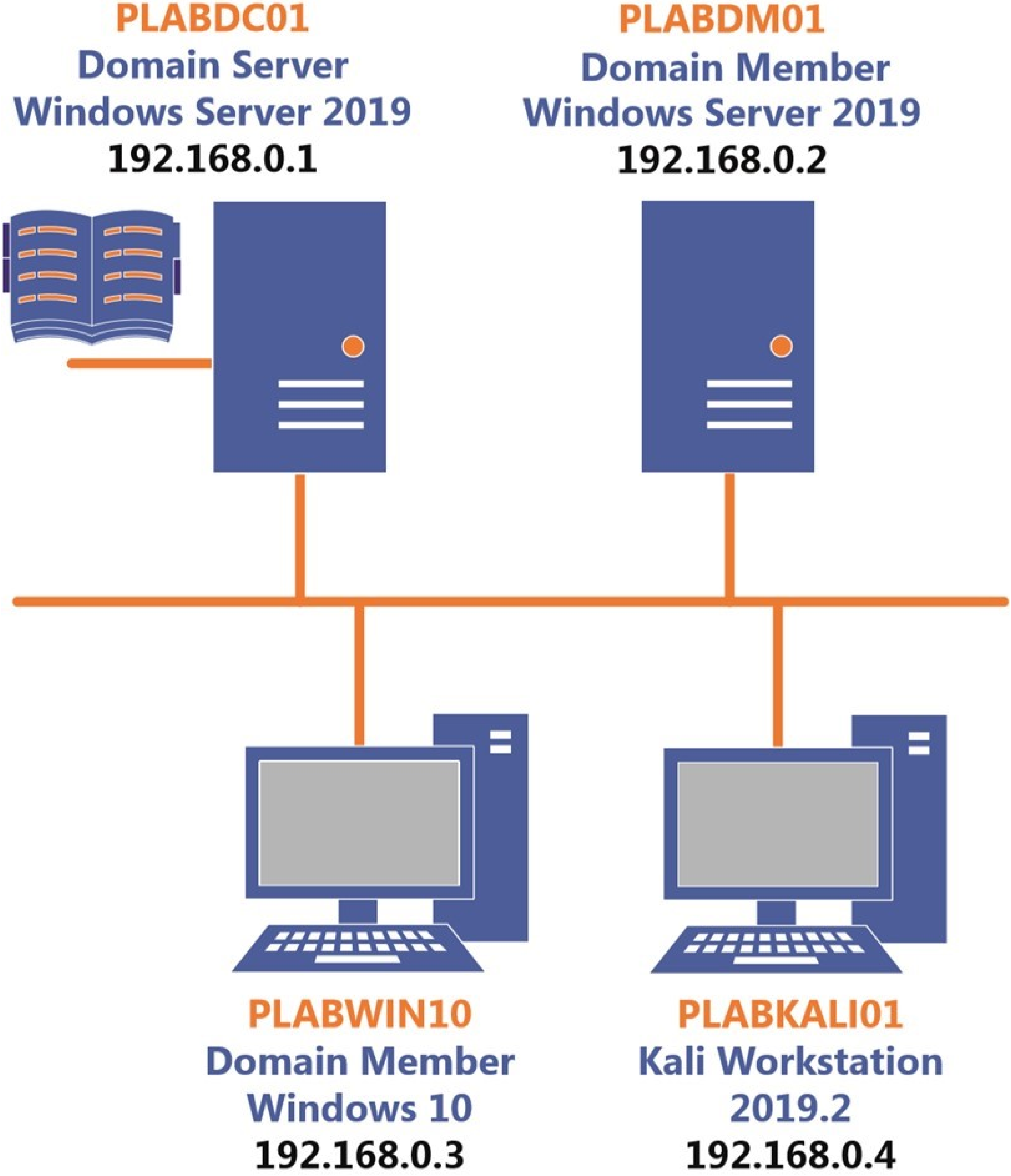
Help and Support

For more information on using Practice Labs, please see our **Help and Support** page. You can also raise a technical support ticket from this page.

> Click **Next** to view the Lab topology used in this module.

Lab Topology

During your session, you will have access to the following lab configuration.



Depending on the exercises, you may or may not use all of the devices, but they are shown here in the layout to get an overall understanding of the topology of the lab.

- **PLABDC01 -** (Windows Server 2019 - Domain Server)
- **PLABDM01 -** (Windows Server 2019 - Domain Member)
- **PLABWIN10 -** (Windows 10 - Workstation)
- **PLABKALI01 -** (Kali 2019.2 - Linux Kali Workstation)

Click **Next** to proceed to the first exercise.

Exercise 1 - Install and Configure ZoneAlarm Firewall

A firewall is a device that prevents unauthorized access to a host or a network either from within the corporate environment or coming from the public network like the Internet. Generally, there are two types of firewalls.

A **hardware firewall** takes the form of a closed proprietary appliance with its own operating system. This is considered faster, however, this can be an expensive method.

A **software firewall** is installed on a computer, and it utilizes the computer's operating system. Firewalls, either hardware or software, use rules to filter incoming and outgoing traffic to the network.

The software used in this exercise is a lightweight version of the ZoneAlarm PRO. The PRO version has additional features and capabilities not found in the free version. You can choose to evaluate both versions and find out if they meet your firewall requirements.

In this exercise, you will install the ZoneAlarm Free Firewall software.

After installing the software, we will take you through how to verify the installation and manage the settings. Next, you will be configuring ZoneAlarm to use the proxy server, then be shown how to update the definitions, perform a scan, and look at the logs.

Learning Outcomes

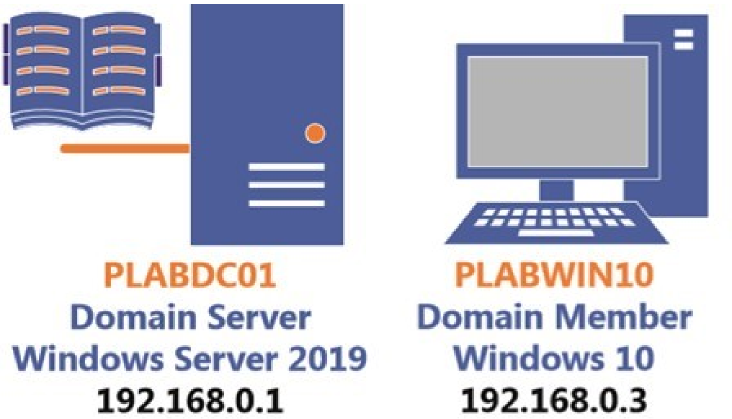
After completing this exercise, you will be able to:

- Download and Install ZoneAlarm Free Firewall and Verify ZoneAlarm Installation
- Manage ZoneAlarm Settings
- Configure ZoneAlarm to use a Proxy Server
- Update the ZoneAlarm Definitions and Perform a Quick Scan
- Work with ZoneAlarm Logs

Your Devices

You will be using the following devices in this lab. Please power these on now.

- **PLABDC01 -** (Windows Server 2019 - Domain Server)
- **PLABWIN10 -** (Windows 10 - Workstation)



Task 1 - Download and install ZoneAlarm Free Firewall

ZoneAlarm Free Firewall is one of the most re-known desktop firewalls. It contains the following features:

- Two-way firewall
- Private browsing
- Identity protection
- Online backup

In this task, you will learn to use ZoneAlarm Free Firewall by downloading and installing the software.

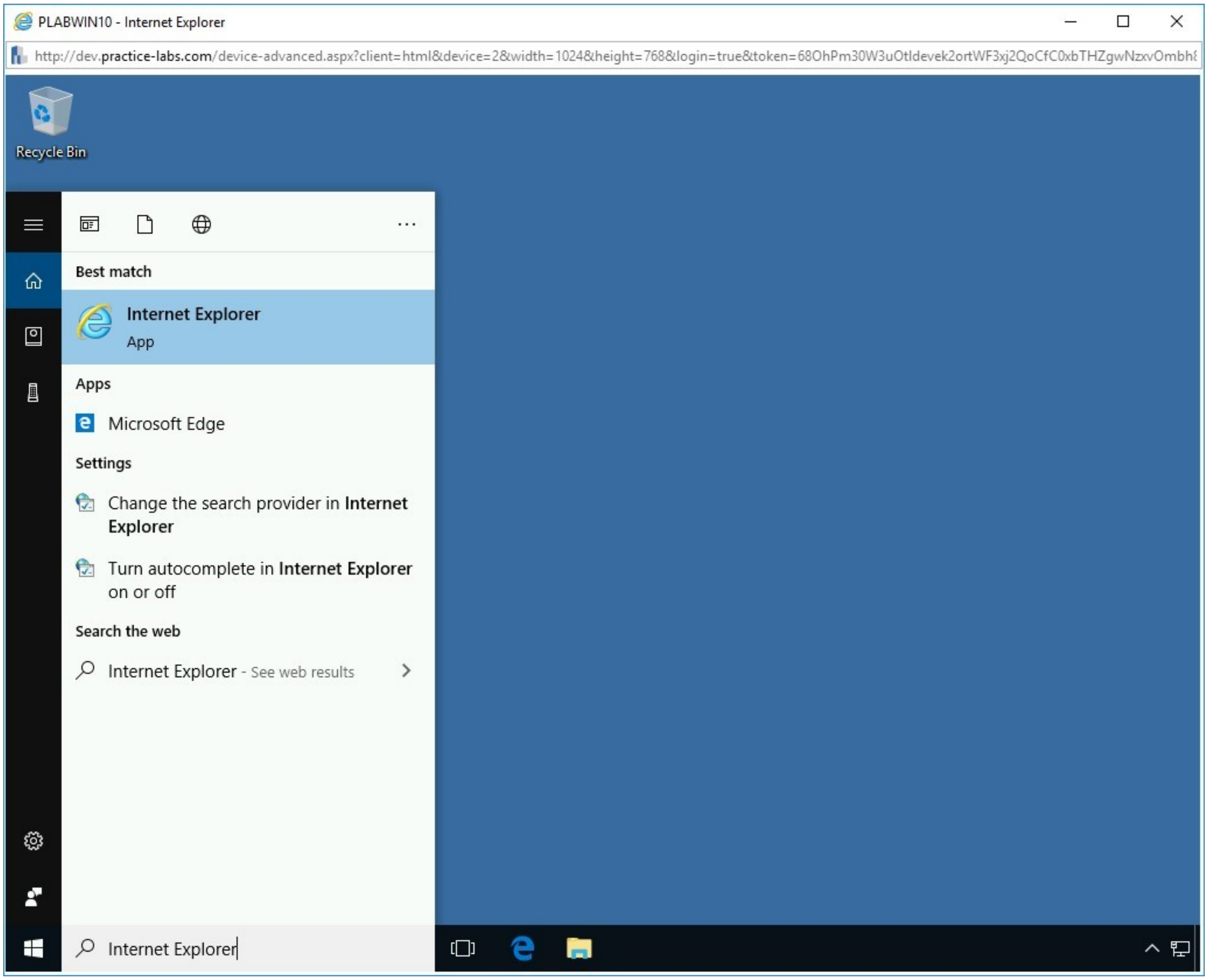
Step 1

Ensure you have powered on all the devices listed in the introduction and connect to **PLABWIN10.**

In the **Type here to search** text box, type the following:

```
Internet Explorer
```

From the search results, select **Internet Explorer**.



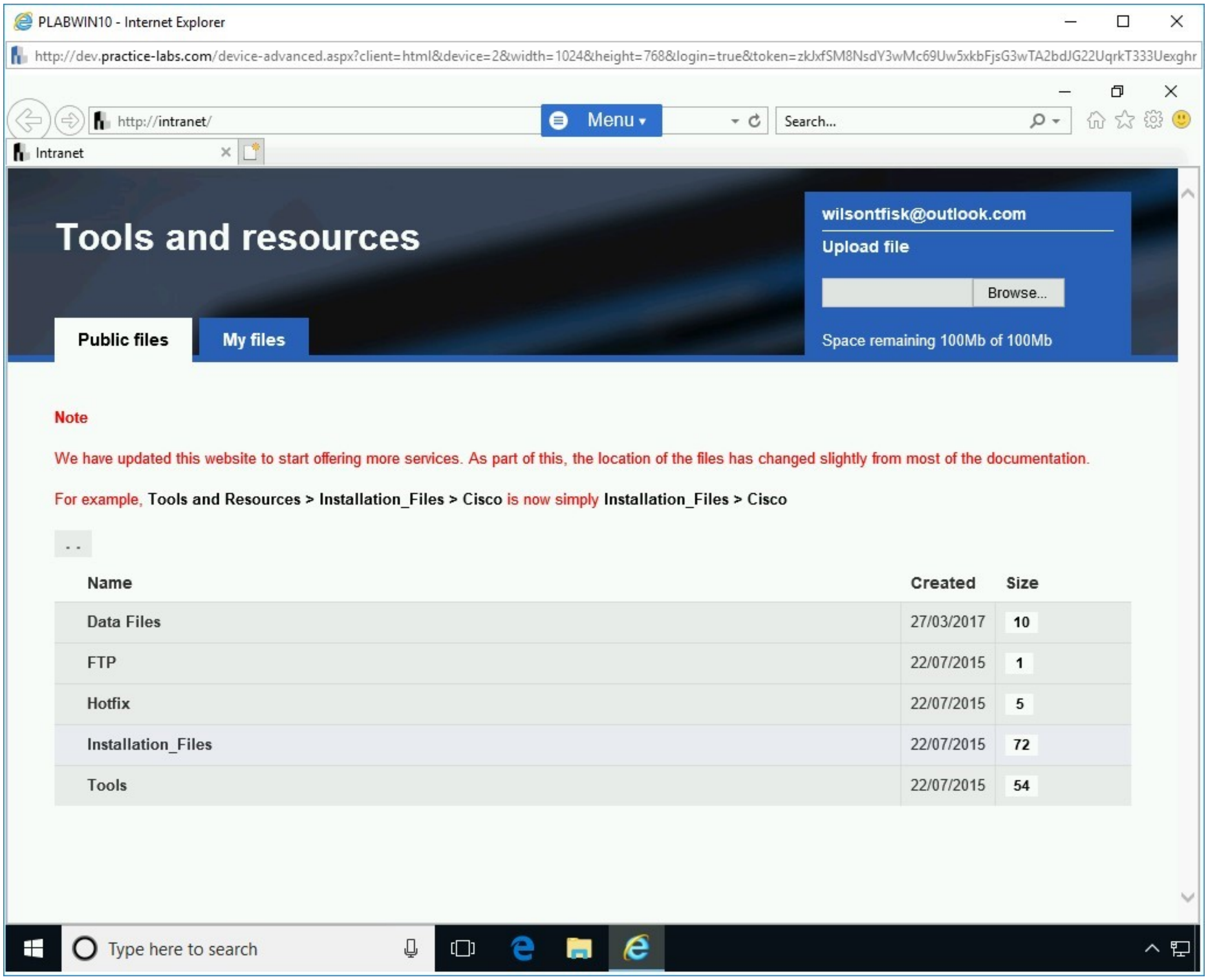
PLABWIN10 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=2&width=1024&height=768&login=true&token=68OhPm30W3uOtldevek2ortWF3xj2QoCfC0xbTHZgwNzxvOmbh
Recycle Bin
Best match
Internet Explorer
App
Apps
Microsoft Edge
Settings
Change the search provider in Internet Explorer
Turn autocomplete in Internet Explorer on or off
Search the web
Internet Explorer - See web results
Internet Explorer

Figure 1.1 Screenshot of PLABWIN10: Selecting Internet Explorer from the search results.

Step 2

Internet Explorer opens the **Tools and resources** Webpage.

Click **Installation_Files**.


PLABWIN10 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=2&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr
http://intranet/
Menu
Search...
Intranet
Tools and resources
wilsontfisk@outlook.com
Upload file
Browse...
Space remaining 100Mb of 100Mb
Public files
My files
Type here to search

Note

We have updated this website to start offering more services. As part of this, the location of the files has changed slightly from most of the documentation.

For example, Tools and Resources > Installation_Files > Cisco is now simply Installation_Files > Cisco

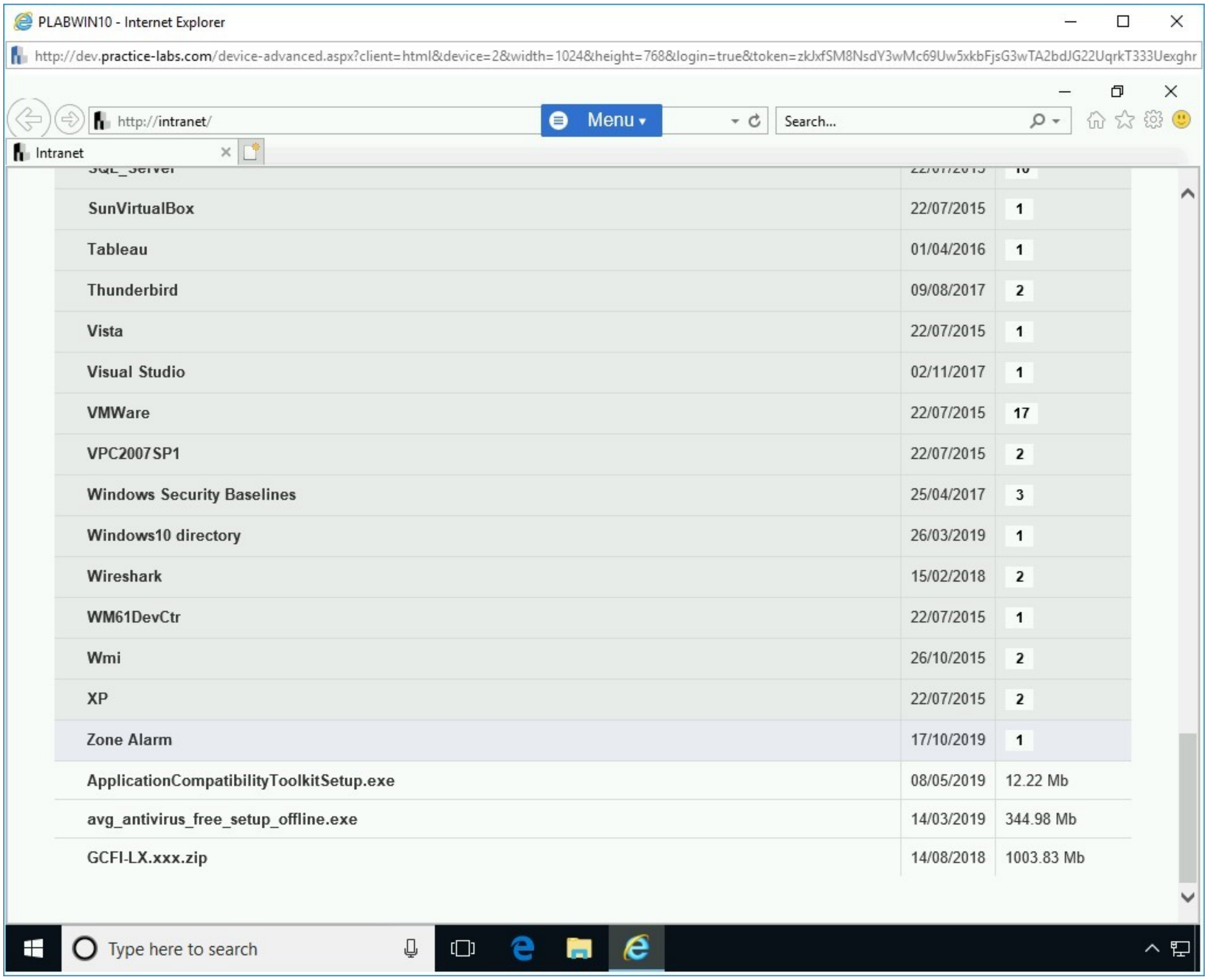
. .

Name	Created	Size
Data Files	27/03/2017	10
FTP	22/07/2015	1
Hotfix	22/07/2015	5
Installation_Files	22/07/2015	72
Tools	22/07/2015	54

Figure 1.2 Screenshot of PLABWIN10: Clicking the Installation_Files option on the Tools and resources page.

Step 3

Scroll down and click **Zone Alarm**.

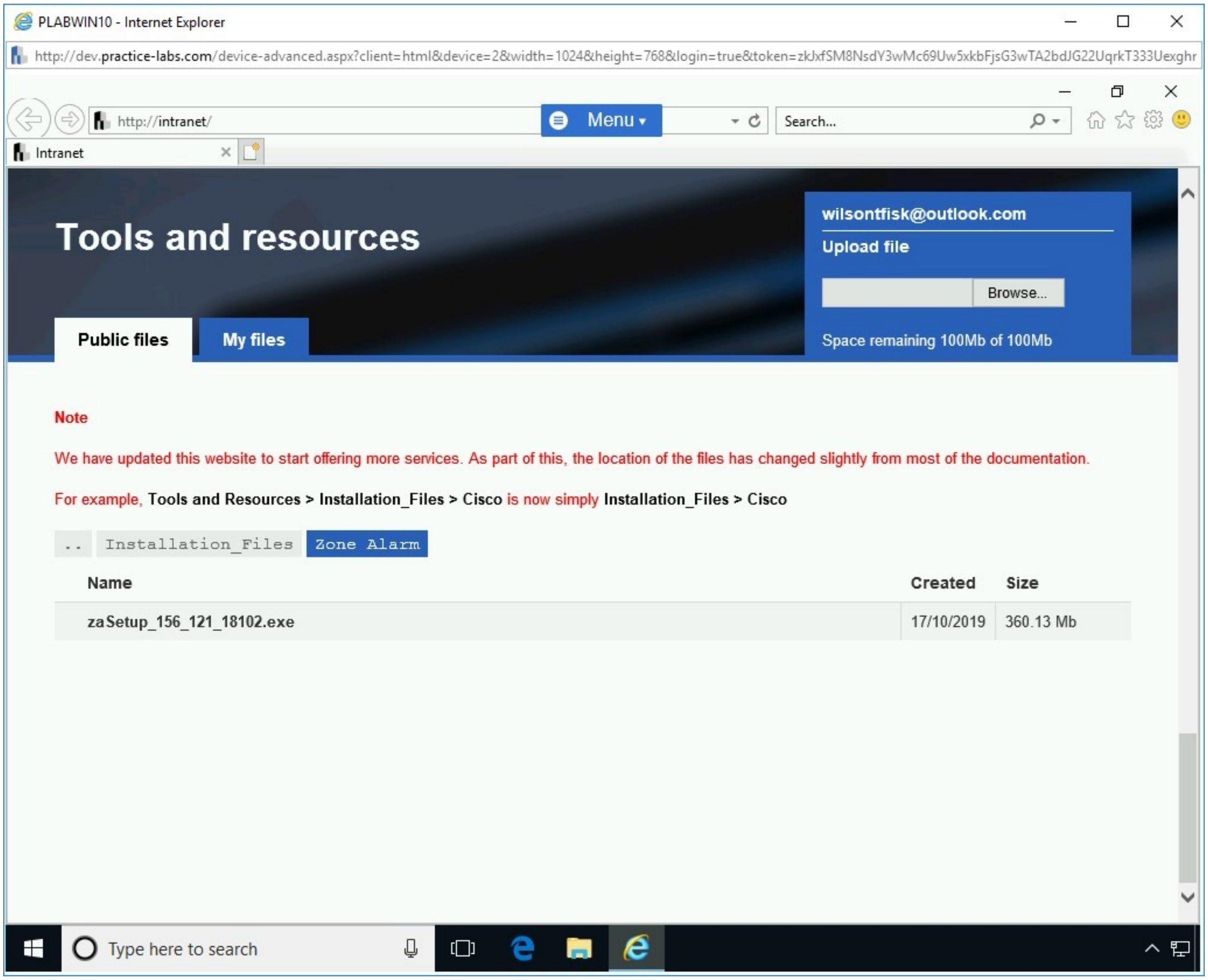

PLABWIN10 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=2&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr
http://intranet/
Menu
Search...
Intranet
Type here to search

SQL_Server	22/07/2015	10
SunVirtualBox	22/07/2015	1
Tableau	01/04/2016	1
Thunderbird	09/08/2017	2
Vista	22/07/2015	1
Visual Studio	02/11/2017	1
VMWare	22/07/2015	17
VPC2007SP1	22/07/2015	2
Windows Security Baselines	25/04/2017	3
Windows10 directory	26/03/2019	1
Wireshark	15/02/2018	2
WM61DevCtr	22/07/2015	1
Wmi	26/10/2015	2
XP	22/07/2015	2
Zone Alarm	17/10/2019	1
ApplicationCompatibilityToolkitSetup.exe	08/05/2019	12.22 Mb
avg_antivirus_free_setup_offline.exe	14/03/2019	344.98 Mb
GCFI-LX.xxx.zip	14/08/2018	1003.83 Mb

Figure 1.3 Screenshot of PLABWIN10: Clicking the Zone Alarm link.

Step 4

In the **Zone Alarm** folder, click **zaSetup_156_121_18102.exe**.


PLABWIN10 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=2&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr
http://intranet/
Menu
Search...
Intranet
Type here to search

Tools and resources

wilsontfisk@outlook.com

Upload file

Browse...

Space remaining 100Mb of 100Mb

Public files | My files

Note

We have updated this website to start offering more services. As part of this, the location of the files has changed slightly from most of the documentation.

For example, Tools and Resources > Installation_Files > Cisco is now simply Installation_Files > Cisco

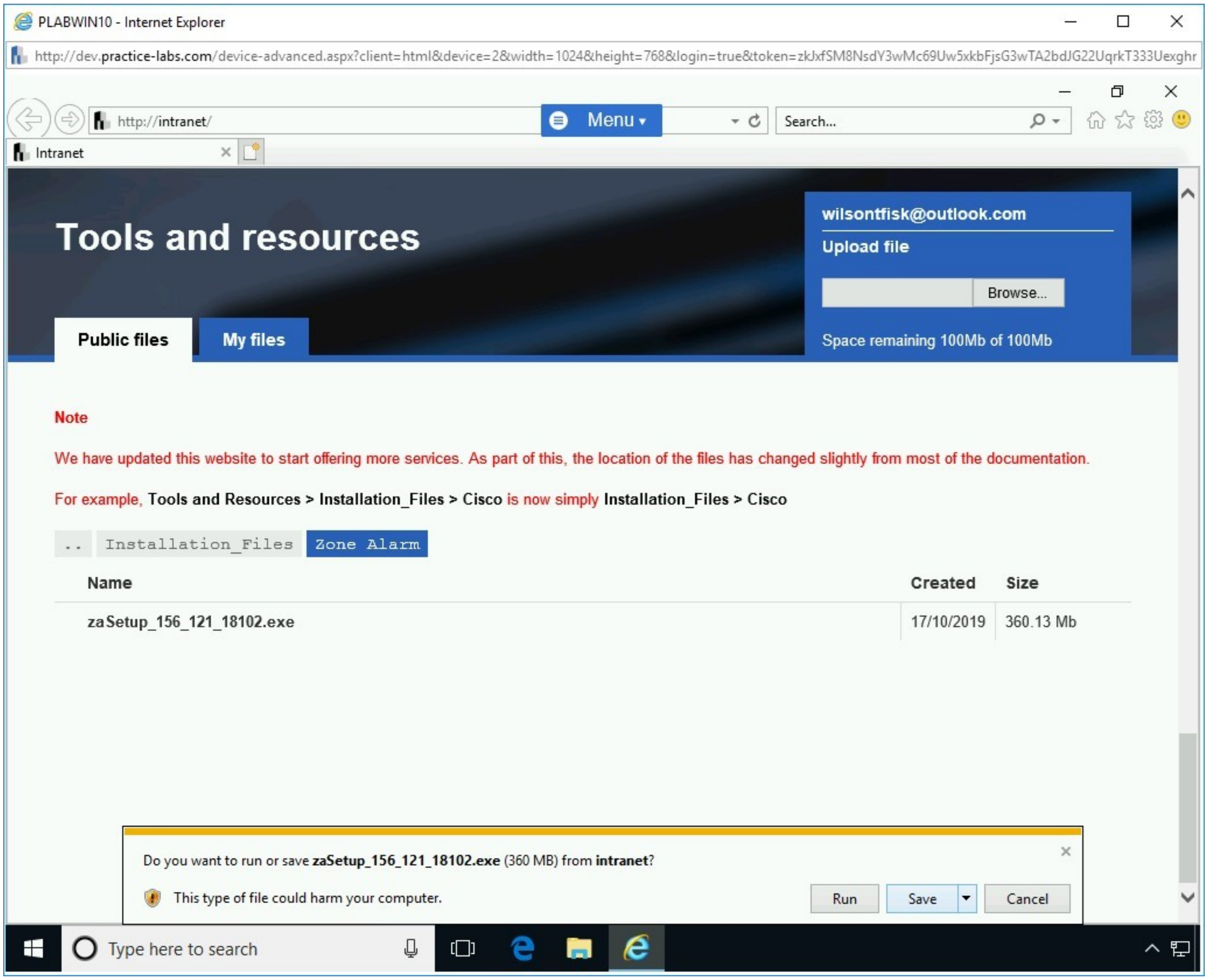
.. | Installation_Files | Zone Alarm

Name	Created	Size
zaSetup_156_121_18102.exe	17/10/2019	360.13 Mb

Figure 1.4 Screenshot of PLABWIN10: Clicking the zaSetup_156_121_18102.exe file.

Step 5

Click **zafwSetup_156___121_18102.exe,** and on the notification toolbar, click **Save**.


PLABWIN10 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=2&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr
http://intranet/
Menu
Search...
Intranet
wilsontfisk@outlook.com
Upload file
Browse...
Public files
My files
..
Installation_Files
Zone Alarm
Run
Save
Cancel
Type here to search

Tools and resources

Space remaining 100Mb of 100Mb

Note

We have updated this website to start offering more services. As part of this, the location of the files has changed slightly from most of the documentation.

For example, Tools and Resources > Installation_Files > Cisco is now simply Installation_Files > Cisco

Name	Created	Size
zaSetup_156_121_18102.exe	17/10/2019	360.13 Mb

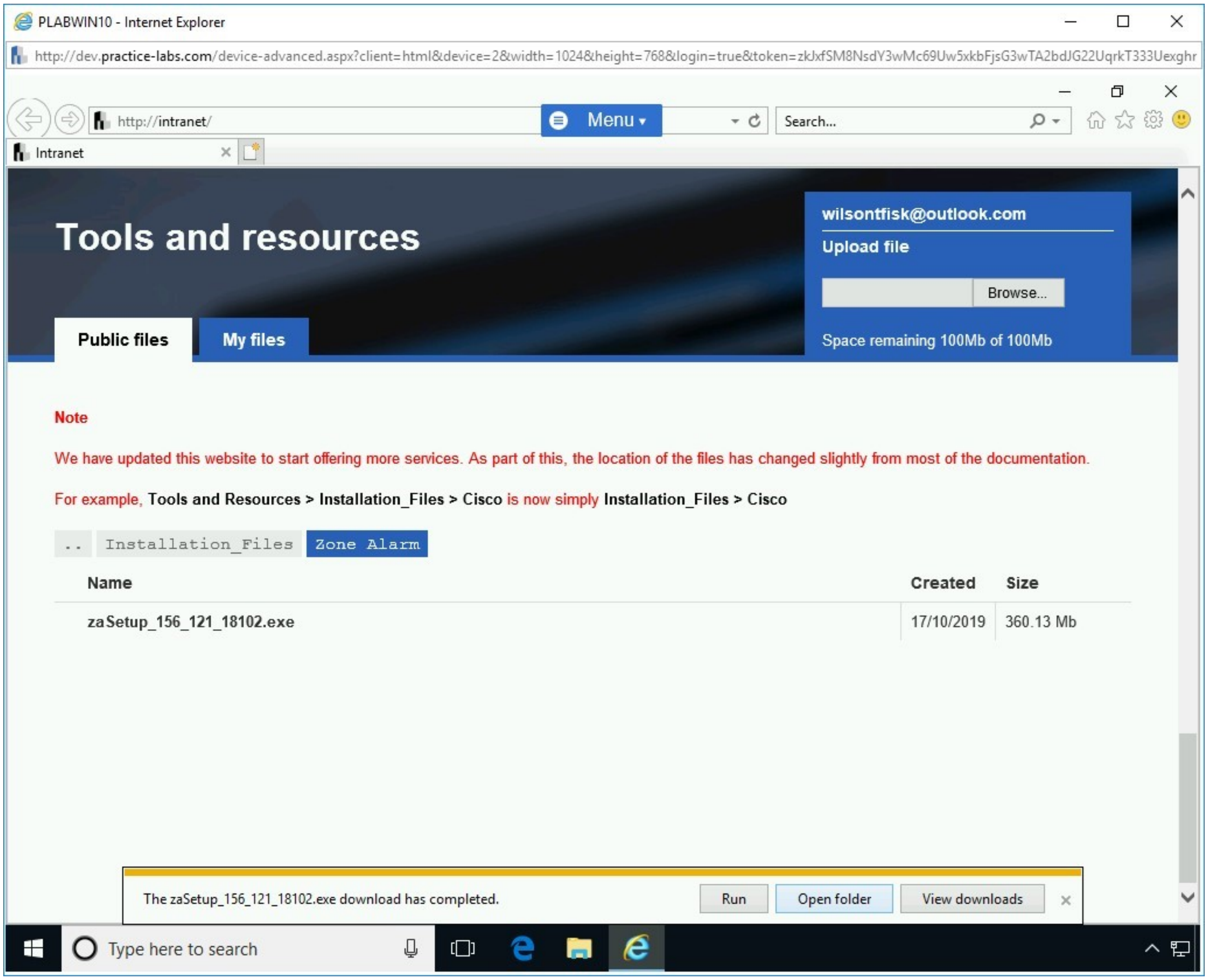
Do you want to run or save **zaSetup_156_121_18102.exe** (360 MB) from **intranet**?

This type of file could harm your computer.

Figure 1.5 Screenshot of PLABWIN10: Clicking Save on the notification bar.

Step 6

When the download is completed, click **Open folder**.


PLABWIN10 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=2&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr
http://intranet/
Menu
Search...
Intranet
Tools and resources
wilsontfisk@outlook.com
Upload file
Browse...
Space remaining 100Mb of 100Mb
Public files
My files
..
Installation_Files
Zone Alarm
Run
Open folder
View downloads
Type here to search

Note

We have updated this website to start offering more services. As part of this, the location of the files has changed slightly from most of the documentation.

For example, Tools and Resources > Installation_Files > Cisco is now simply Installation_Files > Cisco

Name	Created	Size
zaSetup_156_121_18102.exe	17/10/2019	360.13 Mb

The zaSetup_156_121_18102.exe download has completed.

Figure 1.6 Screenshot of PLABWIN10: Clicking Open folder on the notification bar.

Step 7

File Explorer opens and redirects you to the **Downloads** folder.

Right-click **zafwSetup_156___121_18102.exe** and select **Run as administrator**.

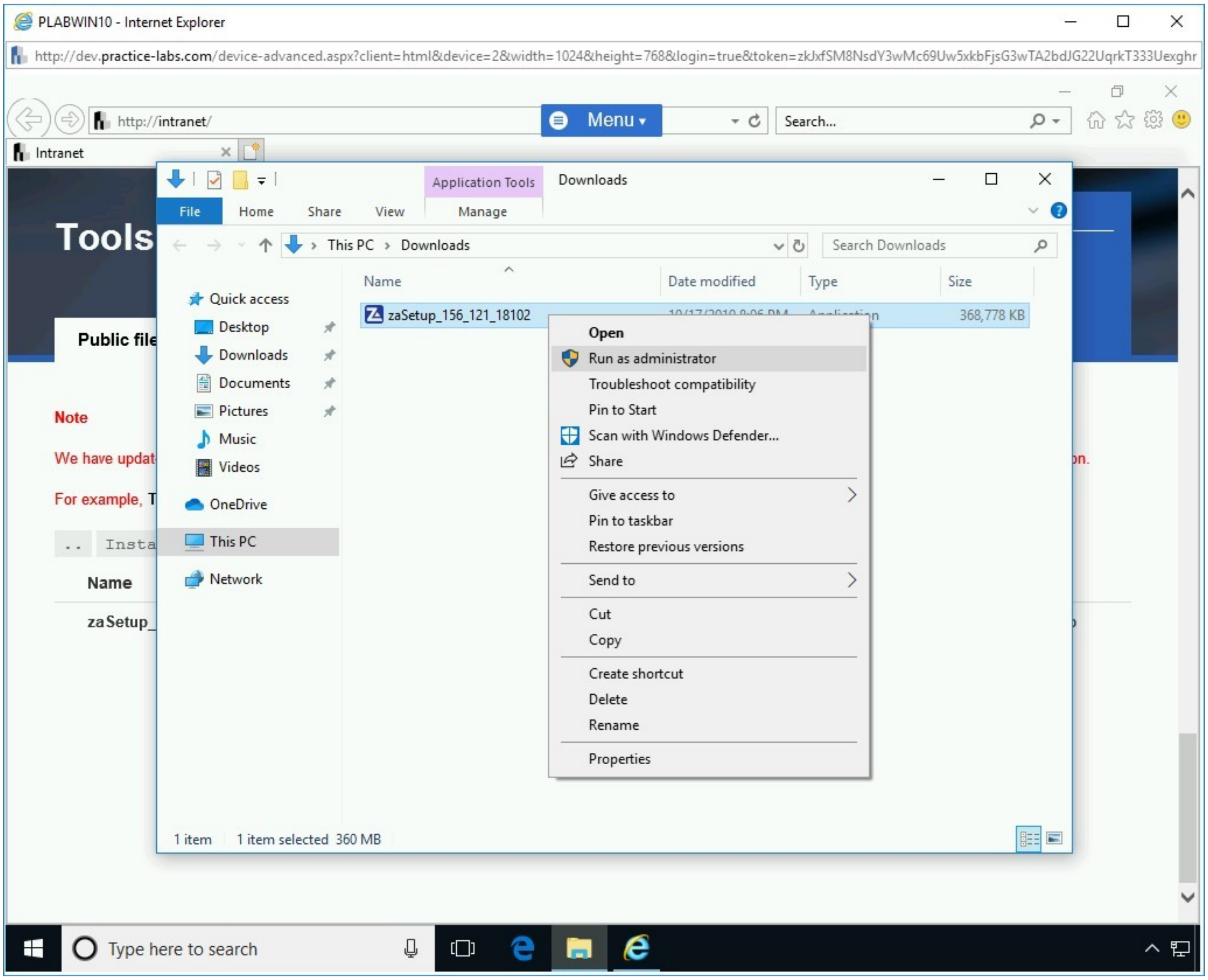
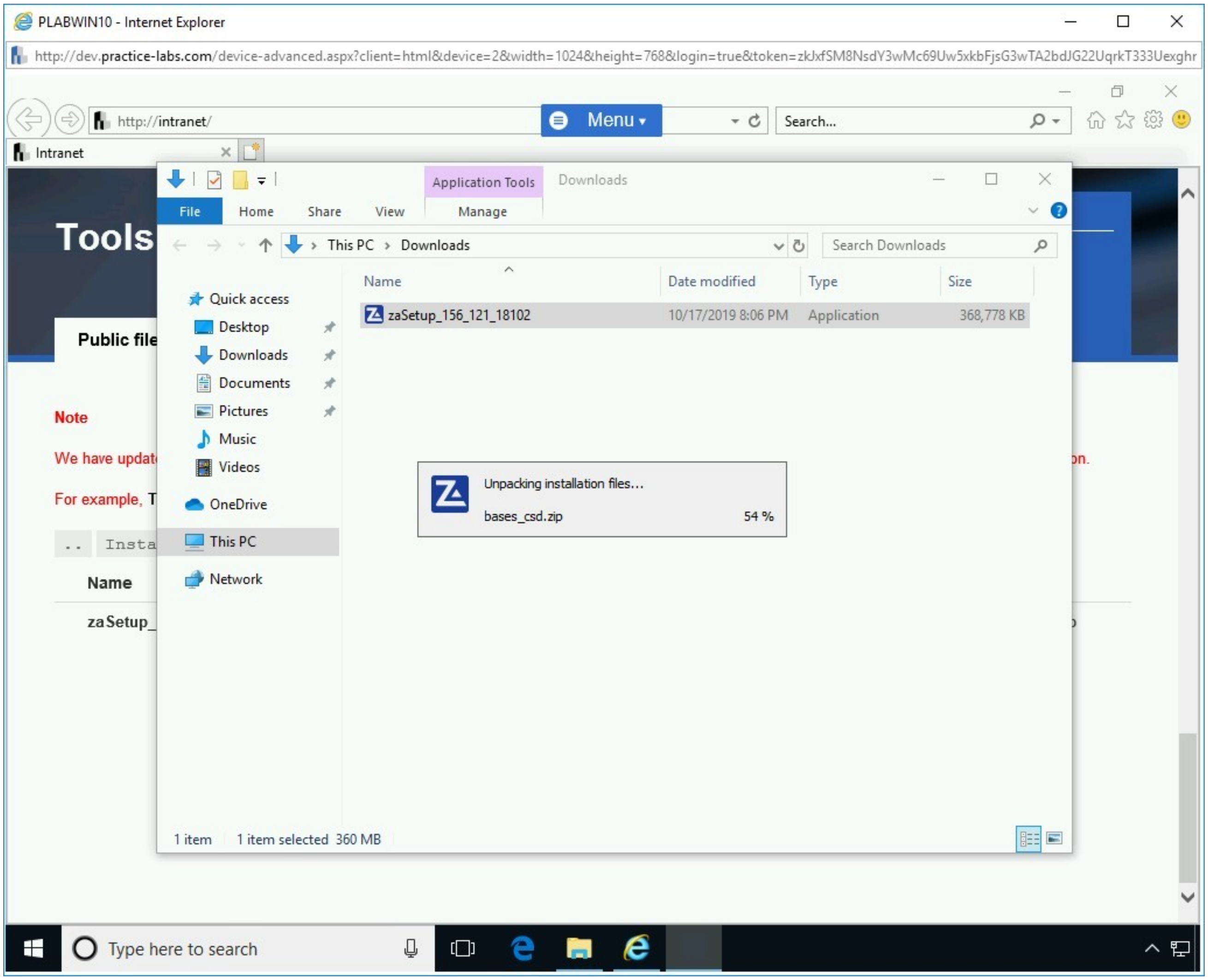


Figure 1.7 Screenshot of PLABWIN10: Selecting Run as administrator from the context menu to run the installer.

The unpacking of the installer starts.



PLABWIN10 - Internet Explorer

http://dev.practice-labs.com/device-advanced.aspx?client=html&device=2&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr

http://intranet/

This PC > Downloads

Name	Date modified	Type	Size
zaSetup_156_121_18102	10/17/2019 8:06 PM	Application	368,778 KB

Unpacking installation files...

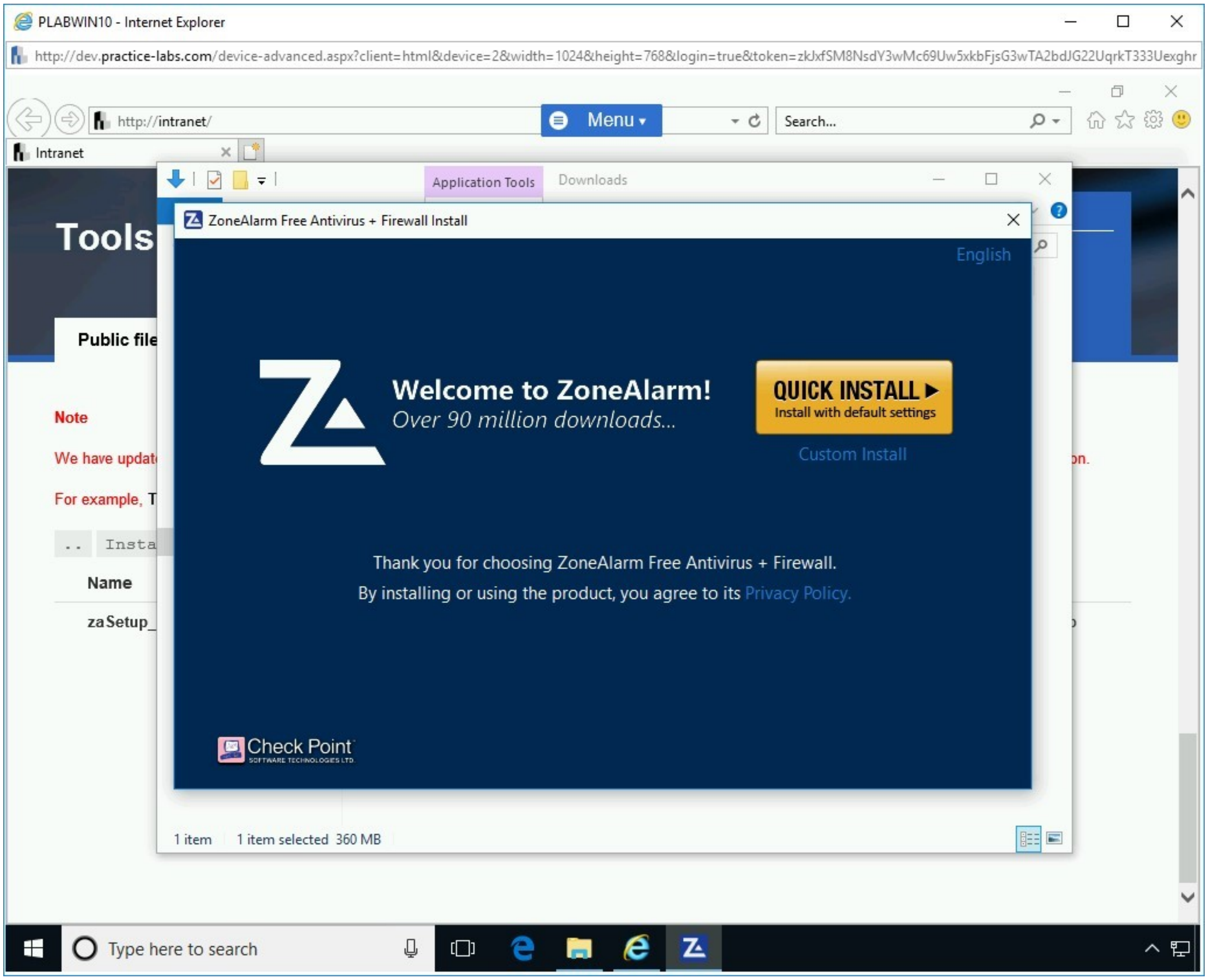
bases_csd.zip 54 %

1 item 1 item selected 360 MB

Figure 1.8 Screenshot of PLABWIN10: Showing the installation files unpacking process.

Step 8

On the **ZoneAlarm Free Firewall Install** welcome screen, click **QUICK INSTALL.**


PLABWIN10 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=2&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr
http://intranet/
Menu
Search...
Intranet
Tools
Public file
Application Tools
Downloads
ZoneAlarm Free Antivirus + Firewall Install
English
QUICK INSTALL
Install with default settings
Custom Install
Check Point
SOFTWARE TECHNOLOGIES LTD.
1 item
1 item selected 360 MB
Type here to search

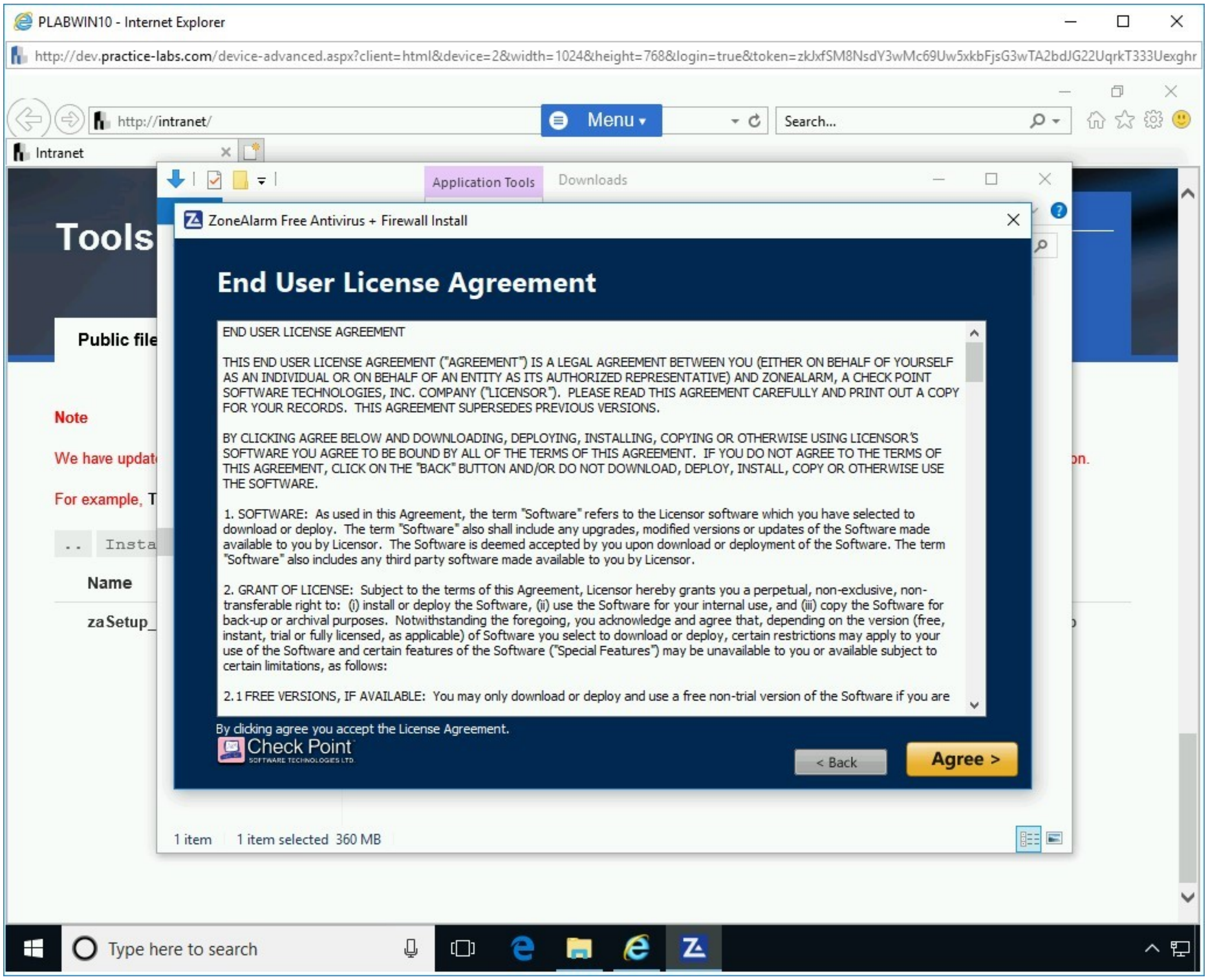
Welcome to ZoneAlarm!
Over 90 million downloads...

Thank you for choosing ZoneAlarm Free Antivirus + Firewall.
By installing or using the product, you agree to its Privacy Policy.

Figure 1.9 Screenshot of PLABWIN10: Clicking QUICK INSTALL on the Zone Alarm welcome screen.

Step 9

On the **End User Licence Agreement** page, click **Agree**.


PLABWIN10 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=2&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr
http://intranet/
Menu
Search...
Intranet
Tools
Public file
Note
We have updat
For example, T
Name
zaSetup_
Application Tools
Downloads
ZoneAlarm Free Antivirus + Firewall Install
Check Point
SOFTWARE TECHNOLOGIES LTD.
< Back
Agree >
1 item
1 item selected 360 MB
Type here to search

End User License Agreement

END USER LICENSE AGREEMENT

THIS END USER LICENSE AGREEMENT ("AGREEMENT") IS A LEGAL AGREEMENT BETWEEN YOU (EITHER ON BEHALF OF YOURSELF AS AN INDIVIDUAL OR ON BEHALF OF AN ENTITY AS ITS AUTHORIZED REPRESENTATIVE) AND ZONEALARM, A CHECK POINT SOFTWARE TECHNOLOGIES, INC. COMPANY ("LICENSOR"). PLEASE READ THIS AGREEMENT CAREFULLY AND PRINT OUT A COPY FOR YOUR RECORDS. THIS AGREEMENT SUPERSEDES PREVIOUS VERSIONS.

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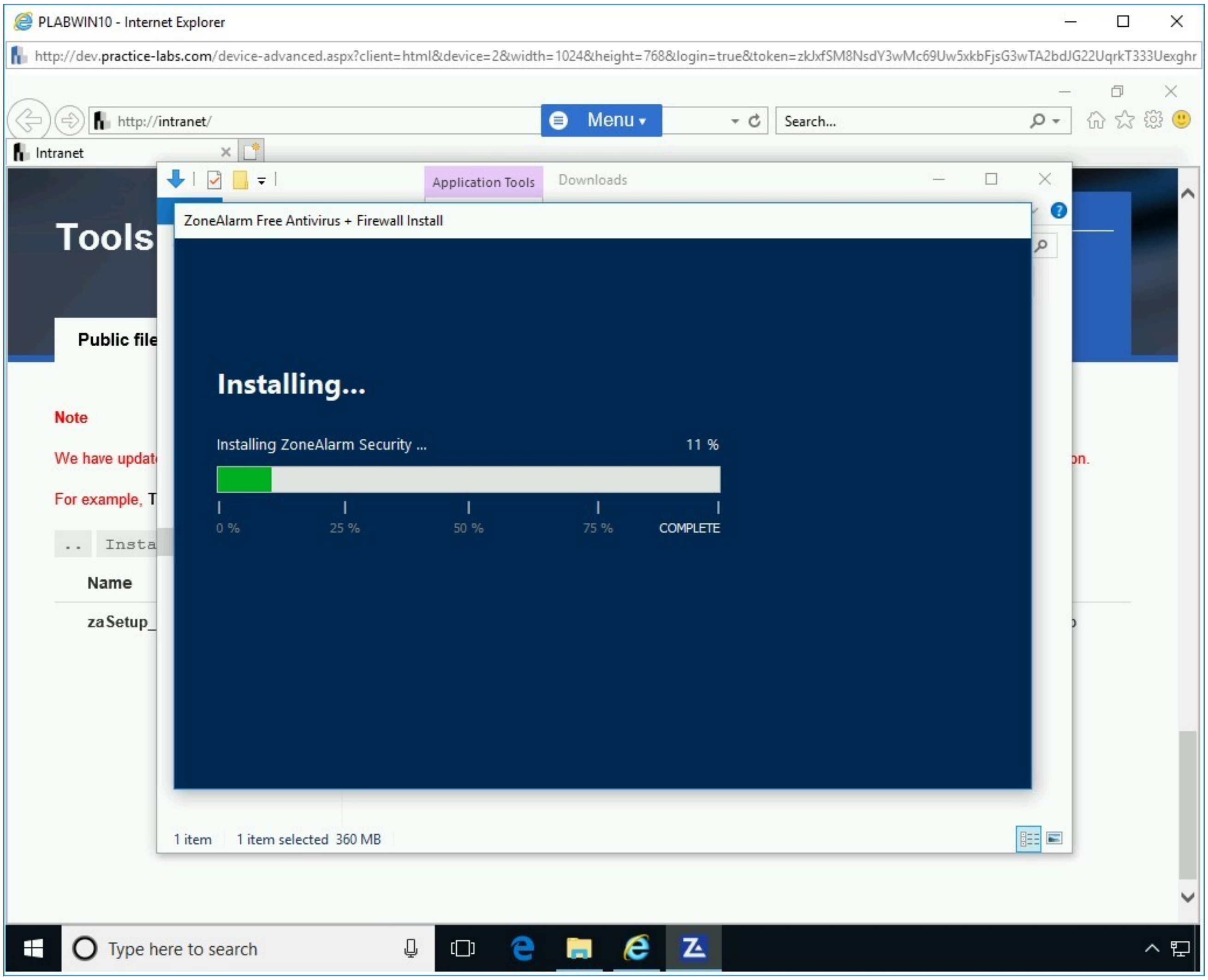
2.1 FREE VERSIONS, IF AVAILABLE: You may only download or deploy and use a free non-trial version of the Software if you are

By clicking agree you accept the License Agreement.

Figure 1.10 Screenshot of PLABWIN10: Accepting the license agreement by clicking Agree on the End User License Agreement page.

Step 10

Please wait while the installation of **ZoneAlarm** components is in progress.


PLABWIN10 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=2&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr
http://intranet/
Menu
Search...
Intranet
Tools
Public file
Note
We have updat
For example, T
.. Insta
Name
zaSetup_
Application Tools
Downloads
ZoneAlarm Free Antivirus + Firewall Install
0 %
25 %
50 %
75 %
COMPLETE
1 item
1 item selected 360 MB
Type here to search

Installing...

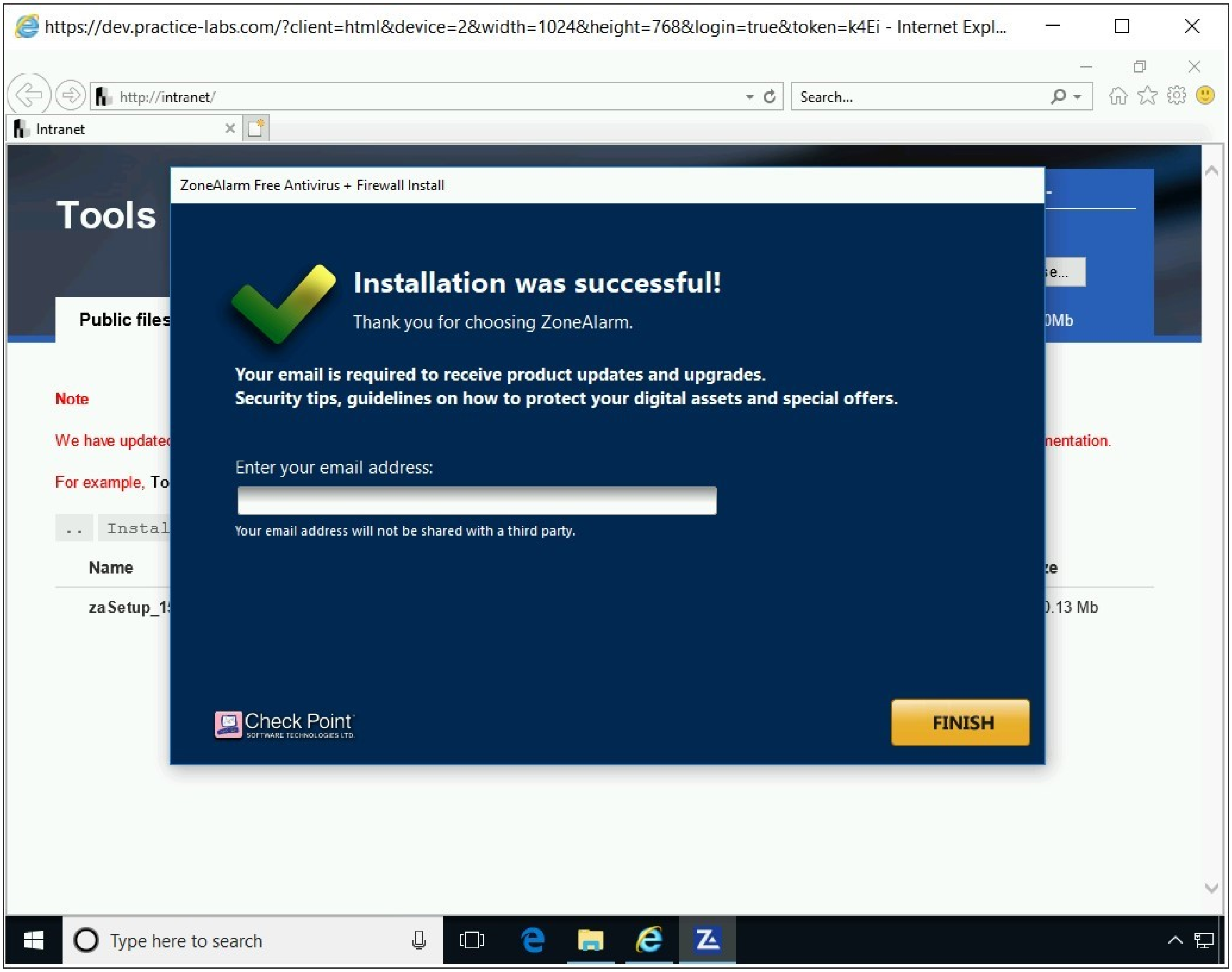
Installing ZoneAlarm Security ... 11 %

Figure 1.11 Screenshot of PLABWIN10: Showing the installation of ZoneAlarm.

Alert: Let the installation run for about five minutes, and it may appear to have stopped. This is expected because ZoneAlarm will disconnect you automatically from the **PLABWIN10** device due to firewall restrictions enforced on the computer. The **PLABWIN10** window will close automatically. You will connect to **PLABWIN10** through **PLABDC01** using Remote Desktop Services in the next task.

Step 11

The **Installation was successful!** Will appear once complete.


ZoneAlarm Free Antivirus + Firewall Install

Installation was successful!

Thank you for choosing ZoneAlarm.

Your email is required to receive product updates and upgrades.
Security tips, guidelines on how to protect your digital assets and special offers.

Enter your email address:

Your email address will not be shared with a third party.

Keep all devices powered on in their current state and proceed to the next task.

Task 2 - Verify ZoneAlarm Installation

Once you have successfully installed ZoneAlarm, you should then verify the installation. The verification process allows you to test and check that the application is working as expected.

In this task, you will verify the ZoneAlarm installation on PLABWIN10.

Step 1

Ensure all required devices are powered on. Connect to the **PLABDC01** device.

Close the **Server Manager** window.

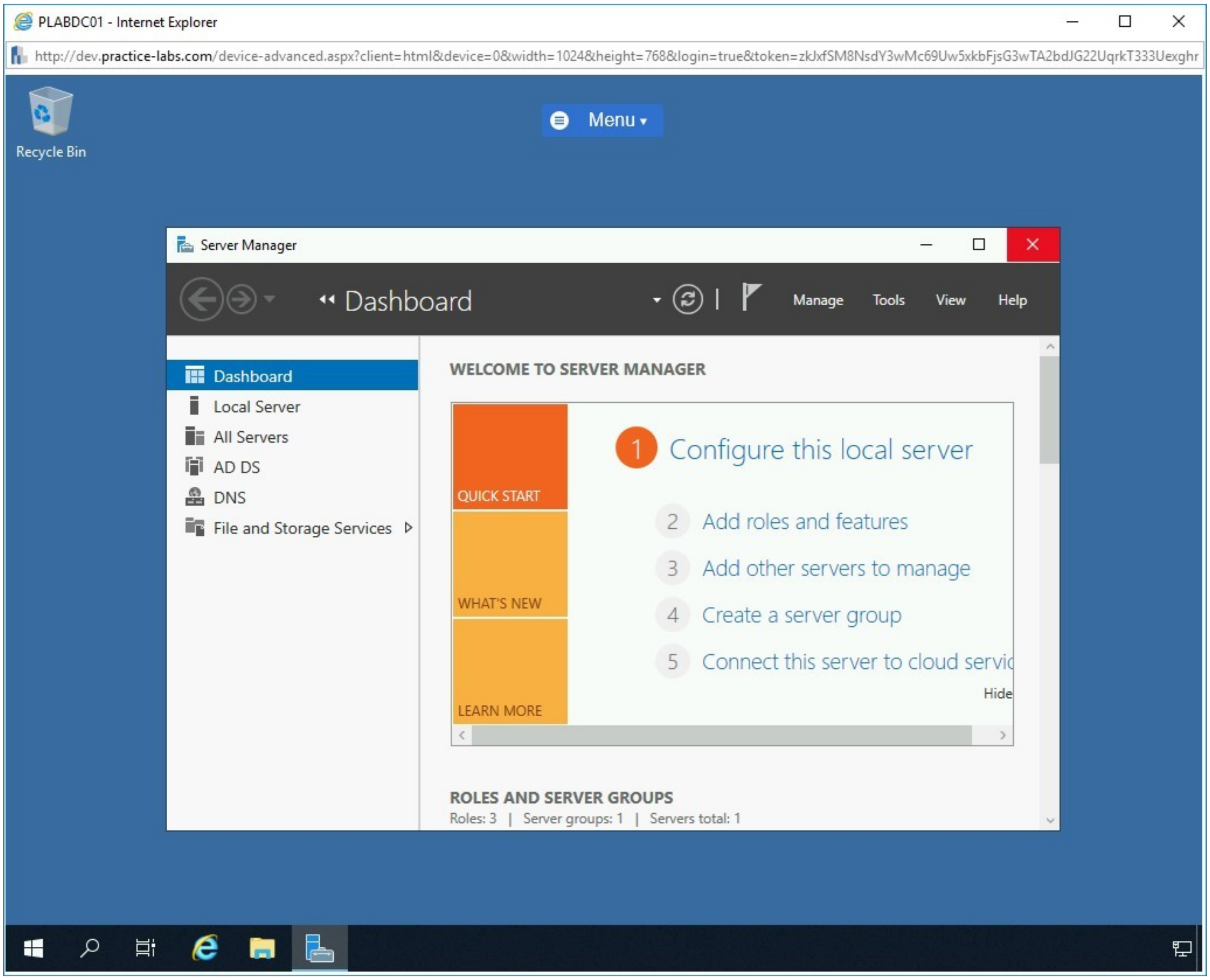

PLABDC01 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=0&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr
Recycle Bin
Menu
Server Manager
Dashboard
Manage
Tools
View
Help
Dashboard
Local Server
All Servers
AD DS
DNS
File and Storage Services
WELCOME TO SERVER MANAGER
QUICK START
WHAT'S NEW
LEARN MORE
1 Configure this local server
2 Add roles and features
3 Add other servers to manage
4 Create a server group
5 Connect this server to cloud servic
Hide
ROLES AND SERVER GROUPS
Roles: 3 | Server groups: 1 | Servers total: 1

Figure 1.12 Screenshot of PLABDC01: Closing the Server Manager window.

Step 2

Right-click the Windows charm and select **Run**.

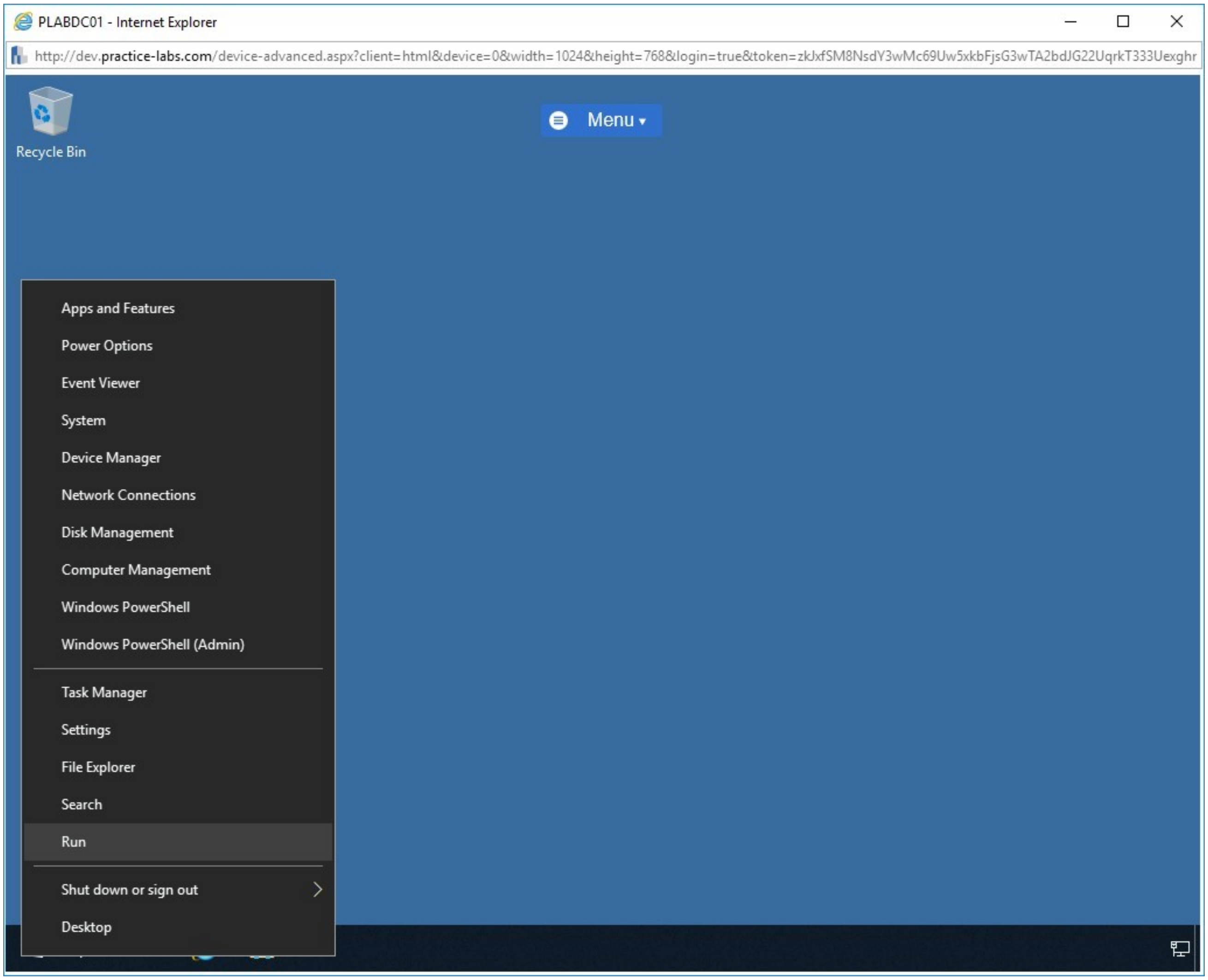


Figure 1.13 Screenshot of PLABDC01: Selecting Run from the context menu.

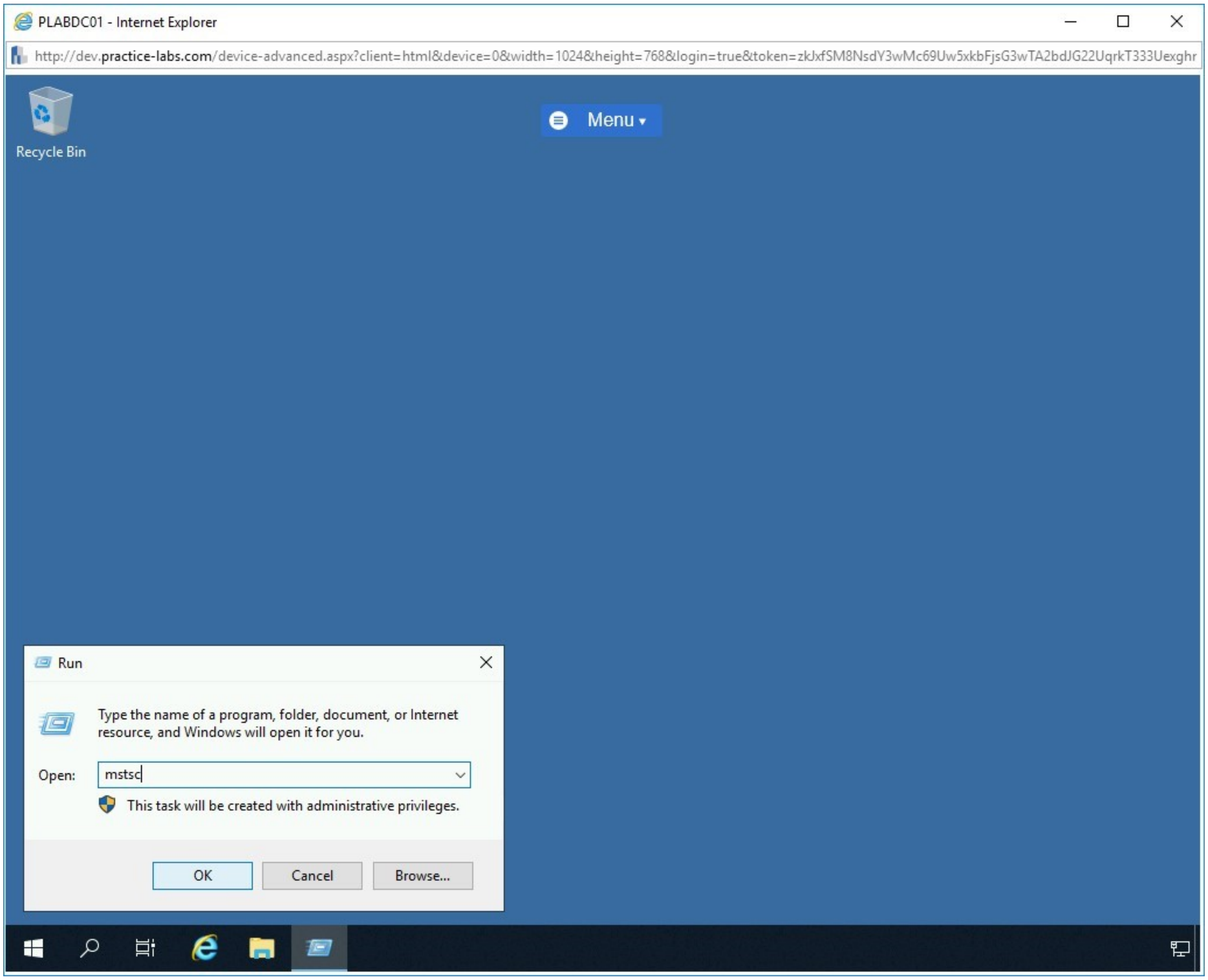
Step 3

To create a connection to the Remote Desktop Session, you will be using the command **mstsc**.

In the **Run** dialog box, type the following in the **Open** textbox:

```
mstsc
```

Click **OK**.



PLABDC01 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=0&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr
Recycle Bin
Menu
Run
OK
Cancel
Browse...

Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.

Open: mstsc

This task will be created with administrative privileges.

Figure 1.14 Screenshot of PLABDC01: Entering the mstsc command in the Open textbox of the Run dialog box.

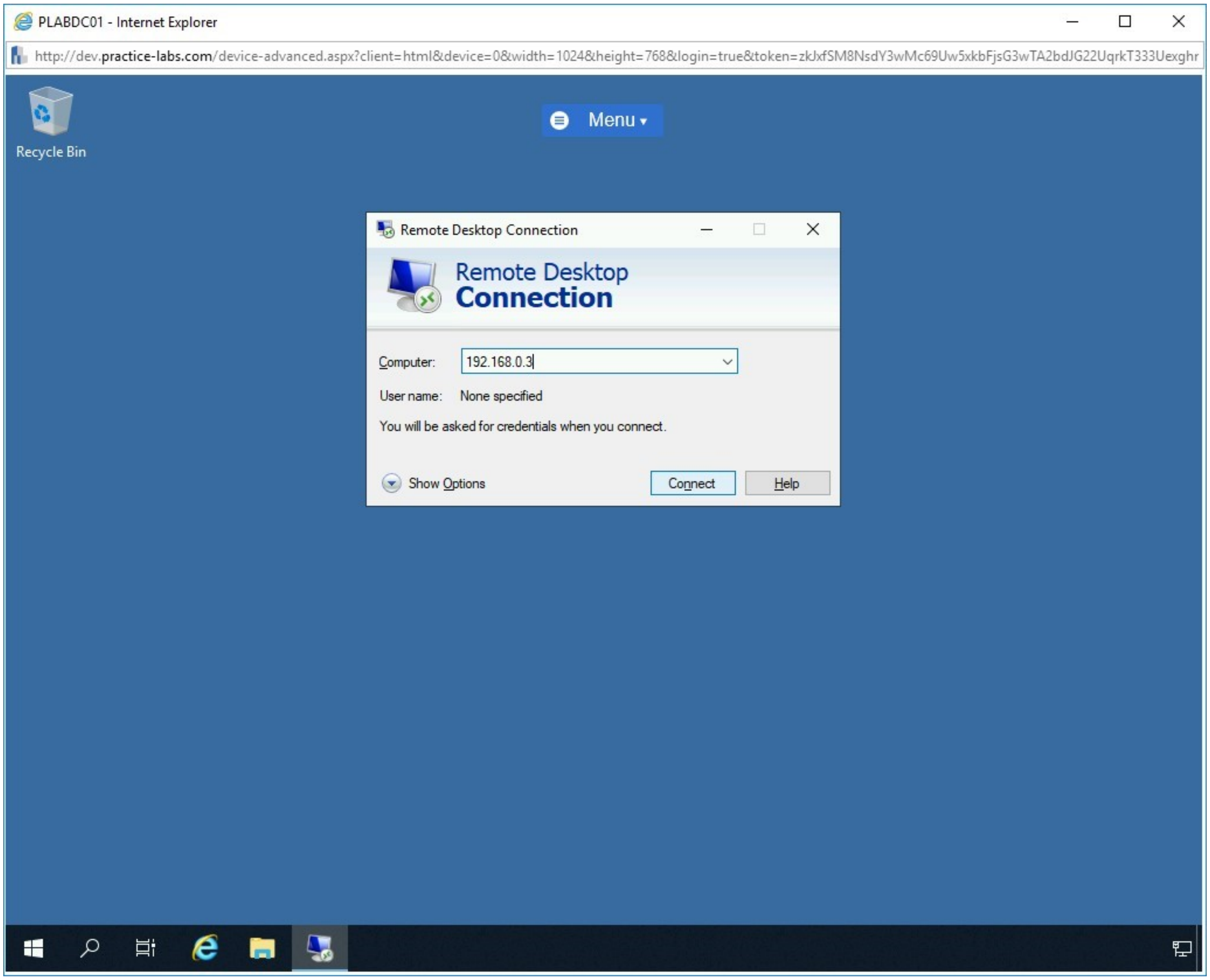
Step 4

On the **Remote Desktop Connection** dialog box, in the **Computer** text box, type:

```
192.168.0.3
```

Click **Connect**.

***Note**: 192.168.0.3 is the static IP address assigned to the **PLABWIN10** device.*


PLABDC01 - Internet Explorer
Recycle Bin
Menu
Remote Desktop Connection
Remote Desktop Connection
Show Options
Connect
Help

http://dev.practice-labs.com/device-advanced.aspx?client=html&device=0&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr

Computer: 192.168.0.3

User name: None specified

You will be asked for credentials when you connect.

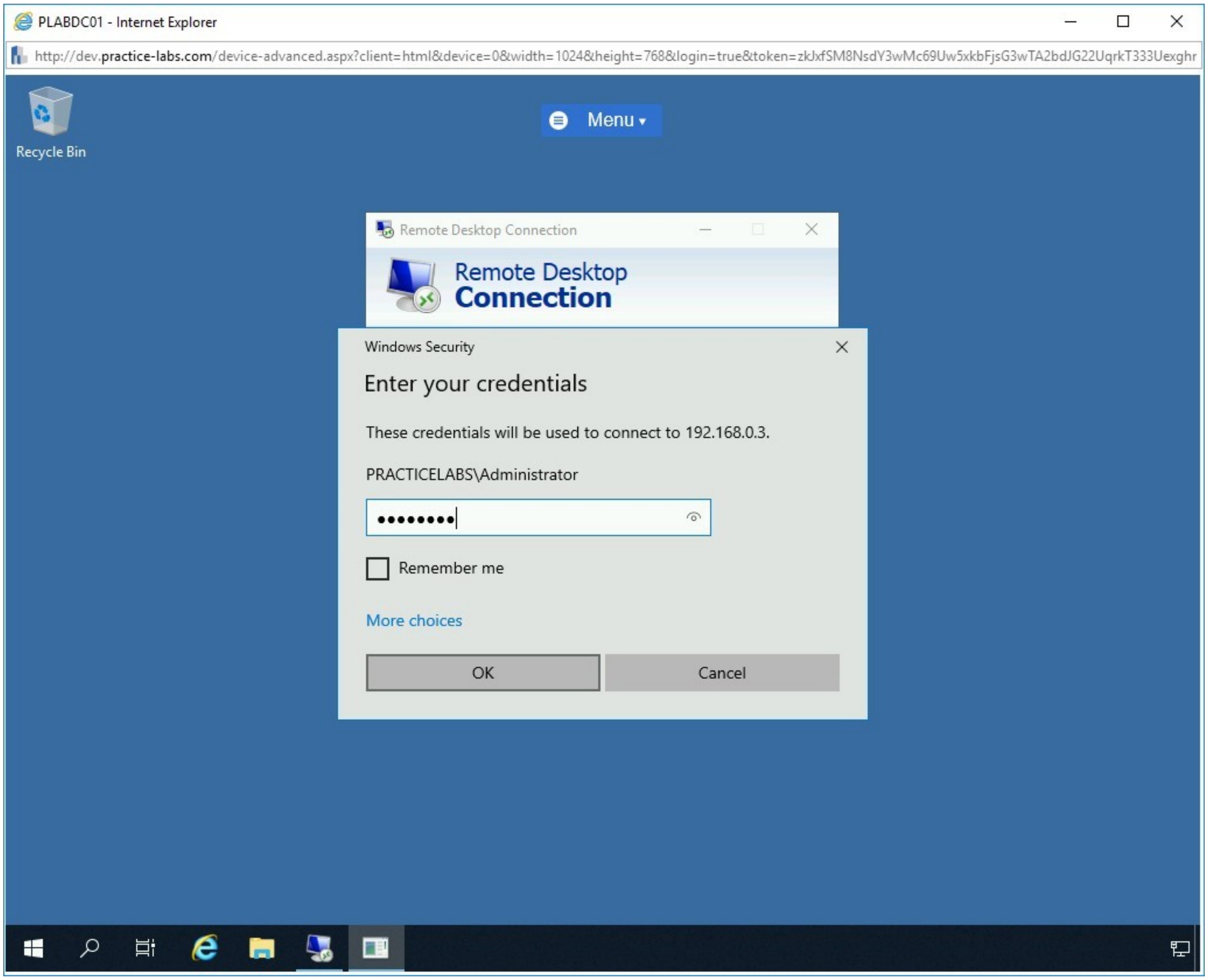
Figure 1.15 Screenshot of PLABDC01: Entering the IP address in the Remote Desktop Connection dialog box.

Step 5

On the **Windows Security** dialog box, in the **Password** textbox, type:

```
Passw0rd
```

Click **OK**.


PLABDC01 - Internet Explorer
Recycle Bin
Menu
Remote Desktop Connection
Remote Desktop Connection
Remember me
More choices
OK
Cancel

http://dev.practice-labs.com/device-advanced.aspx?client=html&device=0&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr

Windows Security

Enter your credentials

These credentials will be used to connect to 192.168.0.3.

PRACTICELABS\Administrator

•••••••••

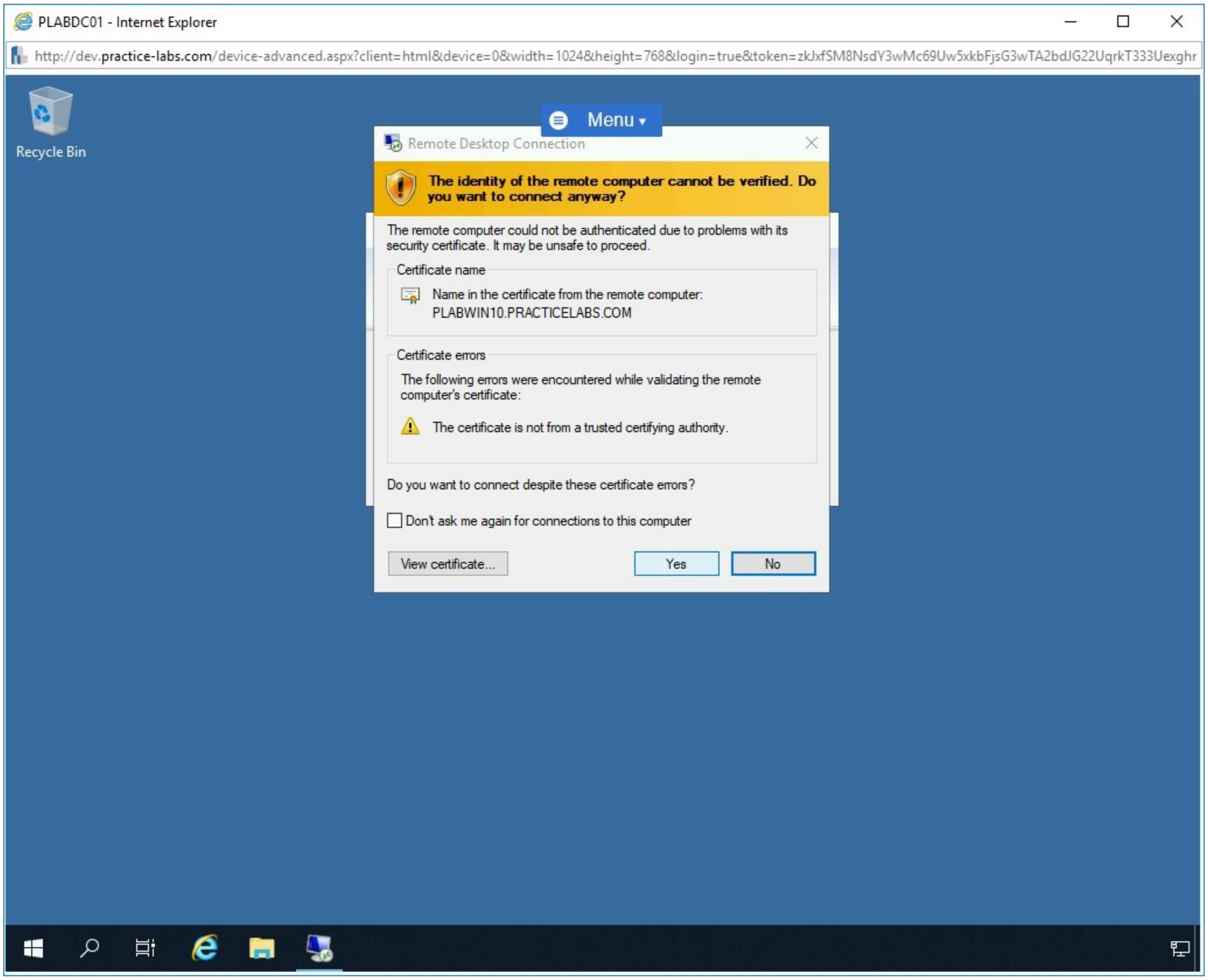
□ Remember me

Figure 1.16 Screenshot of PLABDC01: Entering the password in the Enter your credentials dialog box and clicking OK.

Step 6

On the **Remote Desktop Connection** dialog box, you are prompted with a message saying, “**The identity of the remote computer cannot be verified**…”

Click **Yes**.



http://dev.practice-labs.com/device-advanced.aspx?client=html&device=0&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr

Remote Desktop Connection

The identity of the remote computer cannot be verified. Do you want to connect anyway?

The remote computer could not be authenticated due to problems with its security certificate. It may be unsafe to proceed.

Certificate name

Name in the certificate from the remote computer:
PLABWIN10.PRACTICELABS.COM

Certificate errors

The following errors were encountered while validating the remote computer's certificate:

The certificate is not from a trusted certifying authority.

Do you want to connect despite these certificate errors?

□ Don't ask me again for connections to this computer

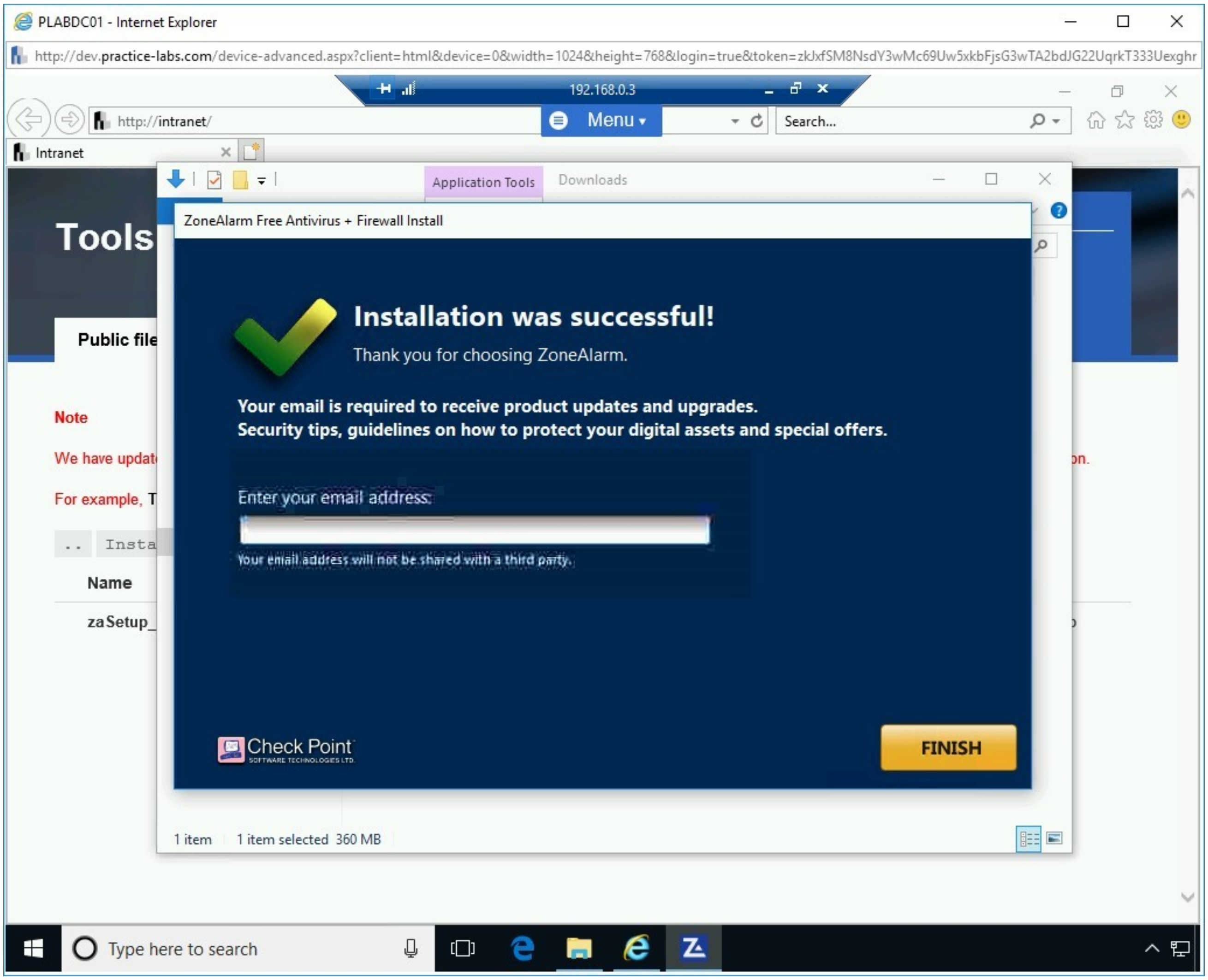
Figure 1.17 Screenshot of PLABDC01: Clicking Yes to continue on the Remote Desktop Connection dialog box.

Step 7

You will notice at the top of the screen the connection bar **192.168.0.3**. This indicates that you are connected to **PLABWIN10** via remote desktop.

On the **ZoneAlarm Free Antivirus + Firewall Install** window, the **Installation was successful!** message is displayed.

Click **Finish**.



PLABDC01 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=0&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr
192.168.0.3
http://intranet/
Menu
Search...
Intranet
Tools
Public file
Application Tools
Downloads
ZoneAlarm Free Antivirus + Firewall Install
Check Point SOFTWARE TECHNOLOGIES LTD.
FINISH
1 item
1 item selected 360 MB
Type here to search

Installation was successful!

Thank you for choosing ZoneAlarm.

Your email is required to receive product updates and upgrades.
Security tips, guidelines on how to protect your digital assets and special offers.

Enter your email address:

Your email address will not be shared with a third party.

Figure 1.18 Screenshot of PLABWIN10: Clicking FINISH after installation completion.

Step 8

The **ZoneAlarm** application is now displayed.

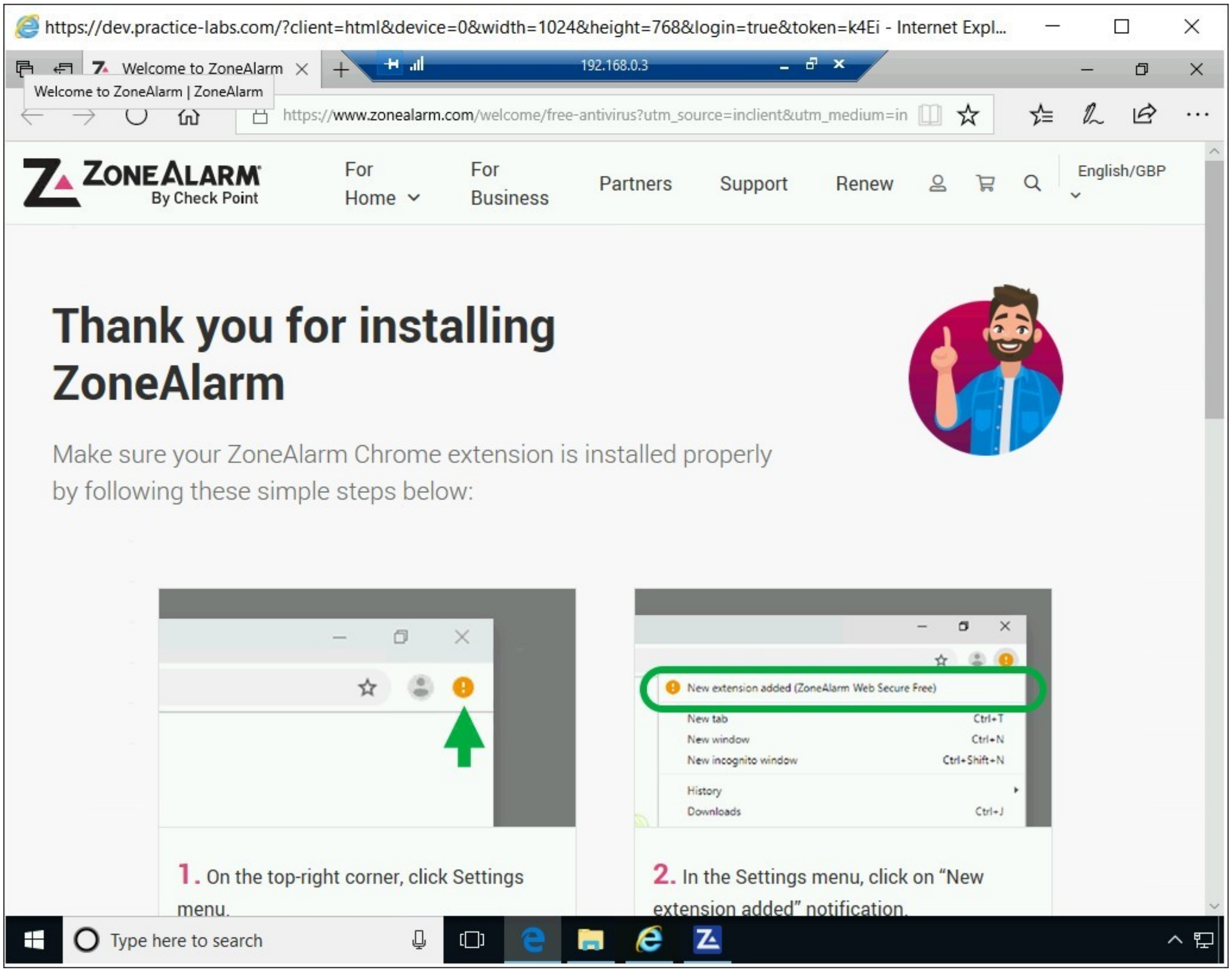
Minimize this window for now.

Step 9

The Web browser displays the **Welcome to ZoneAlarm** Webpage.

If you see a **Thank you for installing ZoneAlarm** message on the Webpage, please click the **GOT IT, THANKS** button at the bottom right of the screen.

Note: *The contents of the ZoneAlarm Webpage may differ from the screenshot below. There may be a slight delay before the Webpage appears.*


https://dev.practice-labs.com/?client=html&device=0&width=1024&height=768&login=true&token=k4Ei - Internet Expl...
Welcome to ZoneAlarm
192.168.0.3
Welcome to ZoneAlarm | ZoneAlarm
https://www.zonealarm.com/welcome/free-antivirus?utm_source=inclient&utm_medium=in
ZONEALARM By Check Point
For Home
For Business
Partners
Support
Renew
English/GBP
New extension added (ZoneAlarm Web Secure Free)
New tab Ctrl+T
New window Ctrl+N
New incognito window Ctrl+Shift+N
History
Downloads Ctrl+J
Type here to search

Thank you for installing ZoneAlarm

Make sure your ZoneAlarm Chrome extension is installed properly by following these simple steps below:

1. On the top-right corner, click Settings menu.

2. In the Settings menu, click on “New extension added” notification.

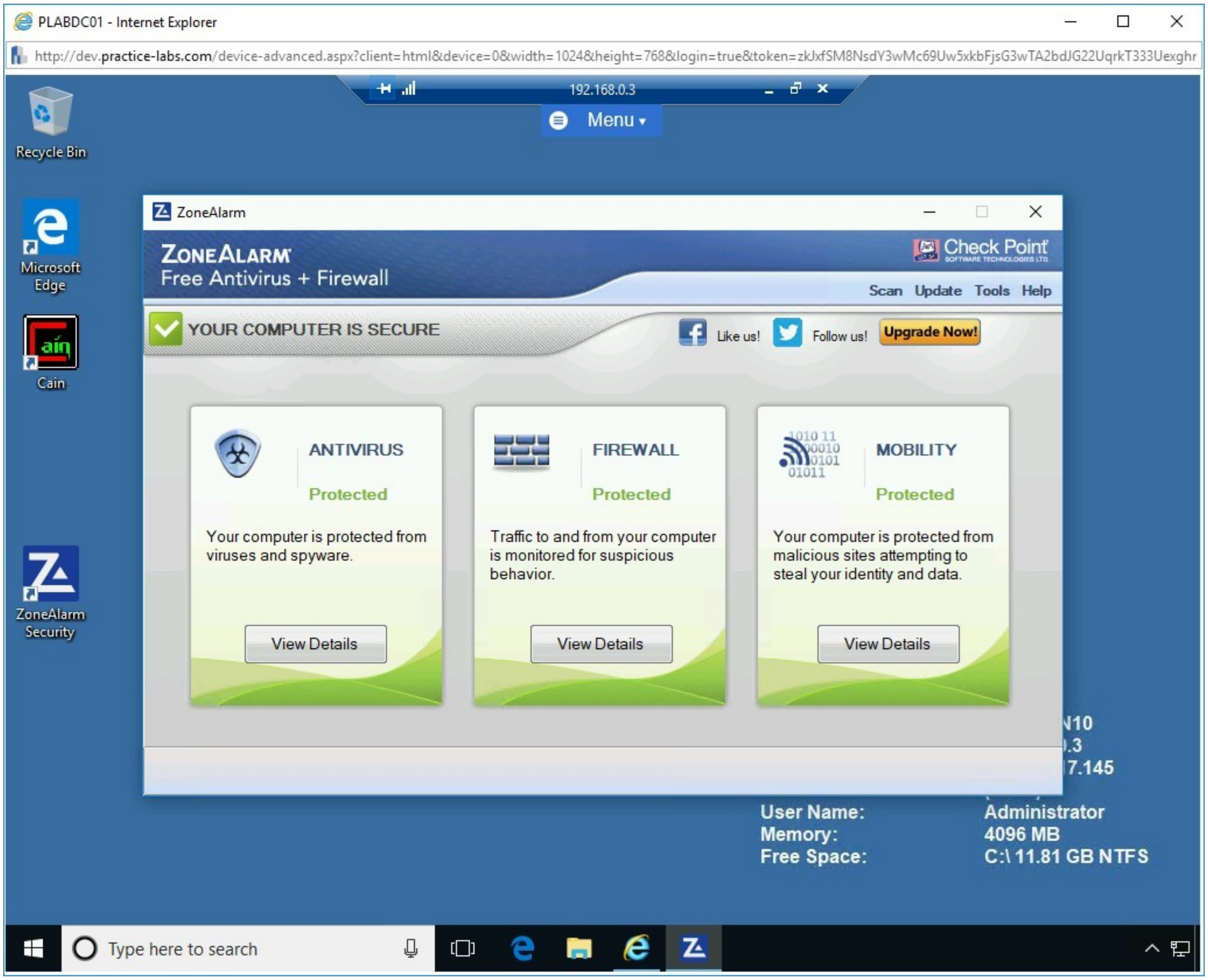
Figure 1.19 Screenshot of PLABWIN10: Showing the ZoneAlarm welcome page in the Web browser.

Step 10

Close the Web browser.

Step 11

Click back to the **ZoneAlarm Free Firewall** application.



Your computer is protected from viruses and spyware.

Traffic to and from your computer is monitored for suspicious behavior.

Your computer is protected from malicious sites attempting to steal your identity and data.

User Name: Administrator
Memory: 4096 MB
Free Space: C:\ 11.81 GB NTFS

Figure 1.20 Screenshot of PLABWIN10: Showing the ZoneAlarm window.

Keep all devices powered on in their current state and proceed to the next task.

Task 3 - Manage ZoneAlarm Settings

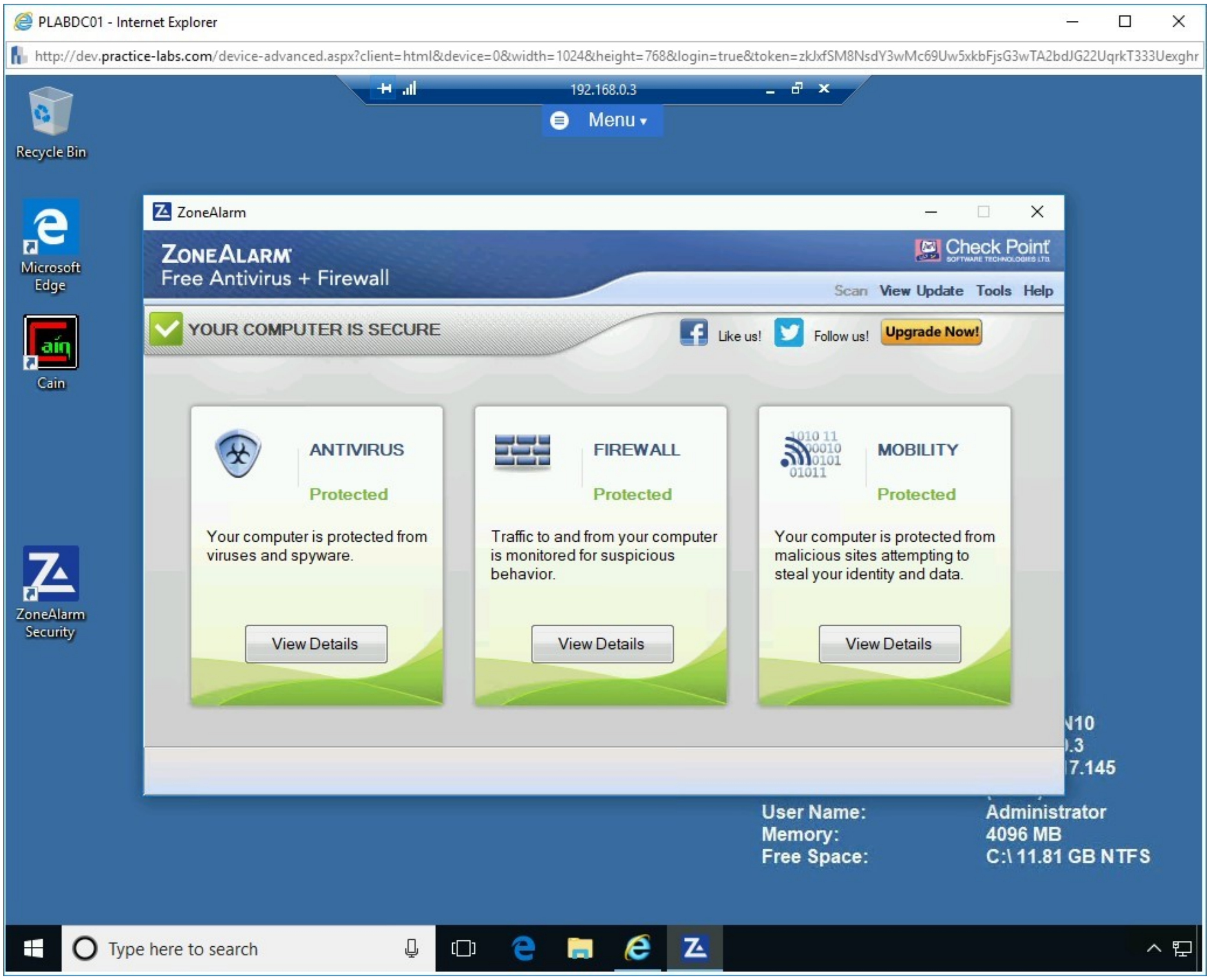
You have the option to change the settings within ZoneAlarm. There are three sections, Anti-virus. Firewall and Mobility.

In this task, you will practice managing the ZoneAlarm settings.

Step 1

When the installation of the antivirus program is completed, the **ZoneAlarm** main window will be displayed.

Click **View Details** in the **ANTIVIRUS** section.



Your computer is protected from viruses and spyware.

Traffic to and from your computer is monitored for suspicious behavior.

Your computer is protected from malicious sites attempting to steal your identity and data.

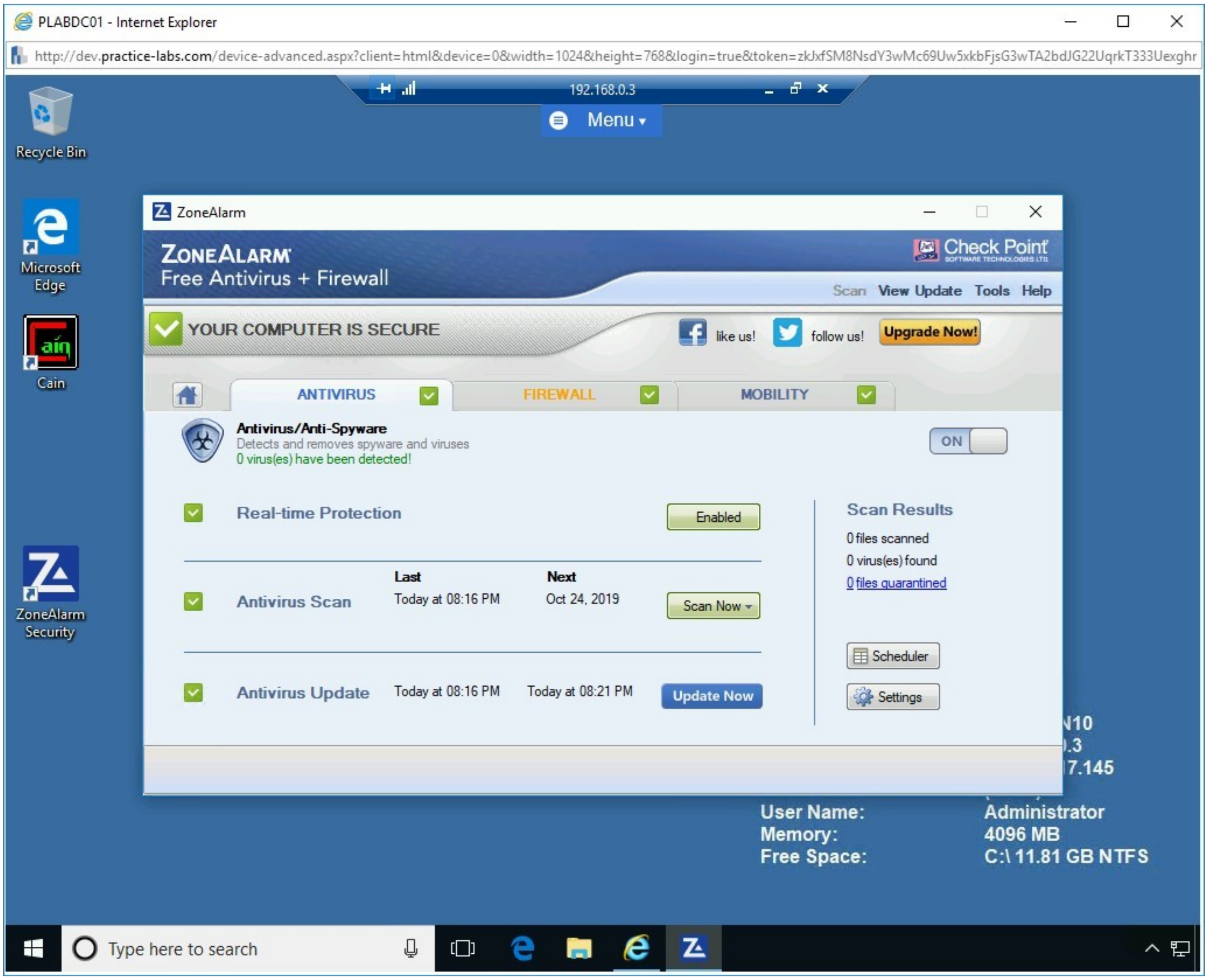
User Name: Administrator
Memory: 4096 MB
Free Space: C:\ 11.81 GB NTFS

Figure 1.21 Screenshot of PLABWIN10: Clicking View Details in the ANTIVIRUS section.

Step 2

Notice that the **Real-time Protection** is enabled.

On this tab, you can also schedule a scan and configure settings.



YOUR COMPUTER IS SECURE

Antivirus/Anti-Spyware
Detects and removes spyware and viruses
0 virus(es) have been detected!

	Last	Next	
Real-time Protection			Enabled
Antivirus Scan	Today at 08:16 PM	Oct 24, 2019	Scan Now
Antivirus Update	Today at 08:16 PM	Today at 08:21 PM	Update Now

Scan Results
0 files scanned
0 virus(es) found
0 files quarantined

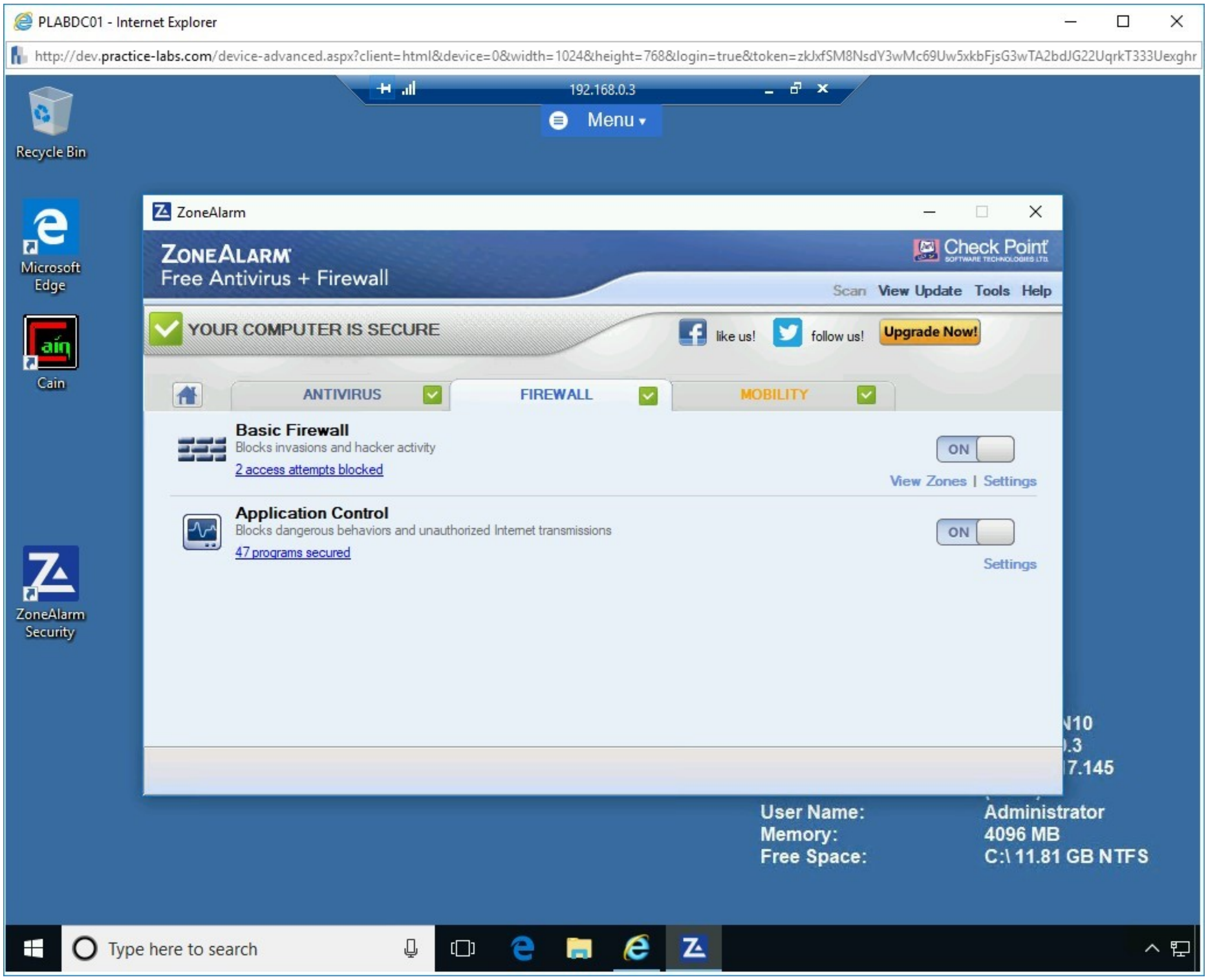
User Name:	Administrator
Memory:	4096 MB
Free Space:	C:\ 11.81 GB NTFS

Figure 1.22 Screenshot of PLABWIN10: On the ANTIVIRUS tab, the Real-time Protection button is showing as enabled.

Step 3

Click the **FIREWALL** tab.

On the **FIREWALL** tab, you will notice that the **Basic Firewall** and **Application Control** are enabled.



Basic Firewall
Blocks invasions and hacker activity
2 access attempts blocked
ON

Application Control
Blocks dangerous behaviors and unauthorized Internet transmissions
47 programs secured
ON

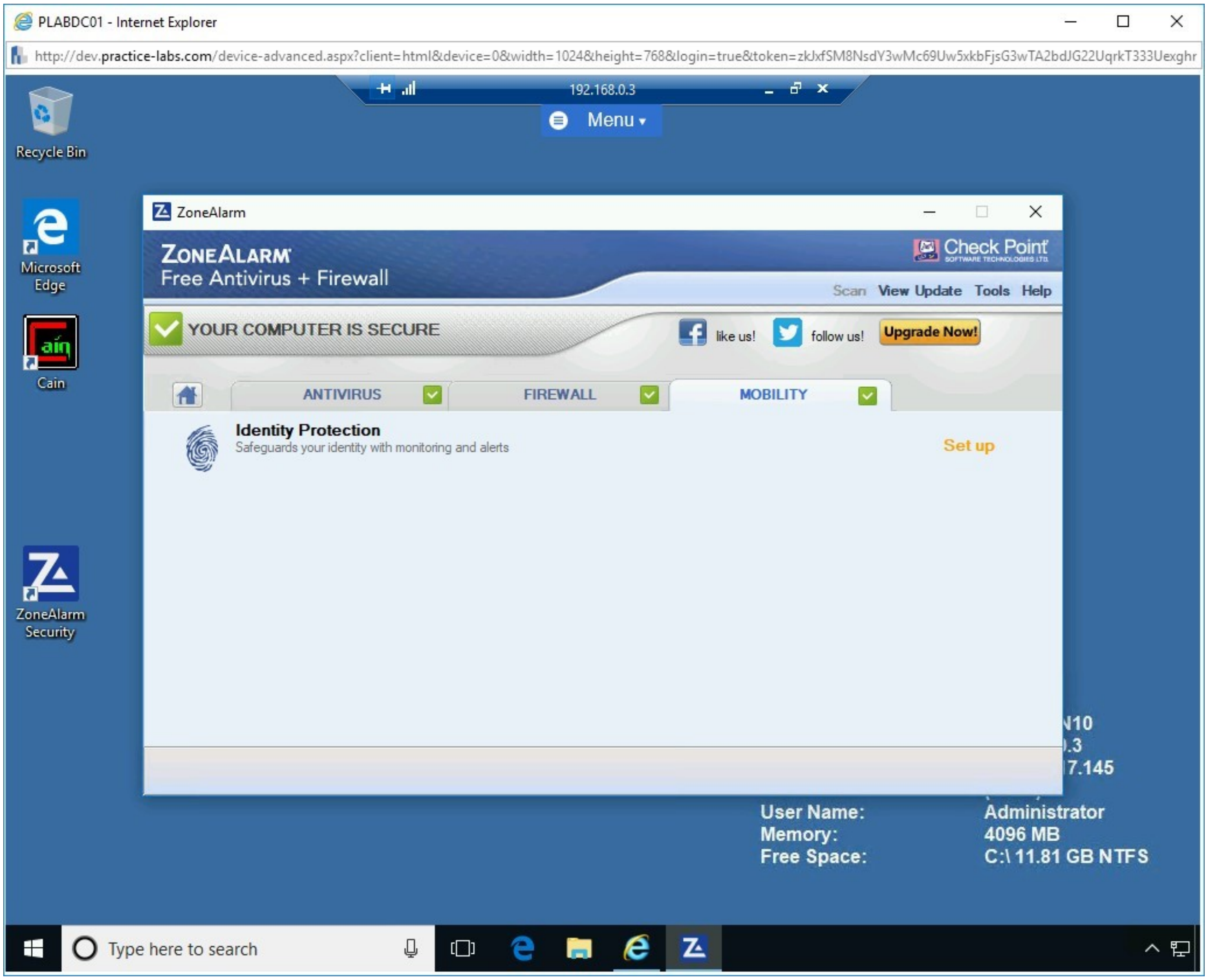
User Name: Administrator
Memory: 4096 MB
Free Space: C:\ 11.81 GB NTFS

Figure 1.23 Screenshot of PLABWIN10: On the FIREWALL tab, Basic Firewall and Application Controls are both switched to on.

Step 4

Click the **MOBILITY** tab.

Under the **MOBILITY** tab, against **Identity Protection**, click **Set up**.


PLABDC01 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=0&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr
192.168.0.3
Menu
Recycle Bin
Microsoft Edge
Cain
ZoneAlarm Security
ZoneAlarm
ZONEALARM
Free Antivirus + Firewall
Check Point
Scan
View Update
Tools
Help
like us!
follow us!
Upgrade Now!
ANTIVIRUS
FIREWALL
MOBILITY
Set up
Type here to search

YOUR COMPUTER IS SECURE

Identity Protection
Safeguards your identity with monitoring and alerts

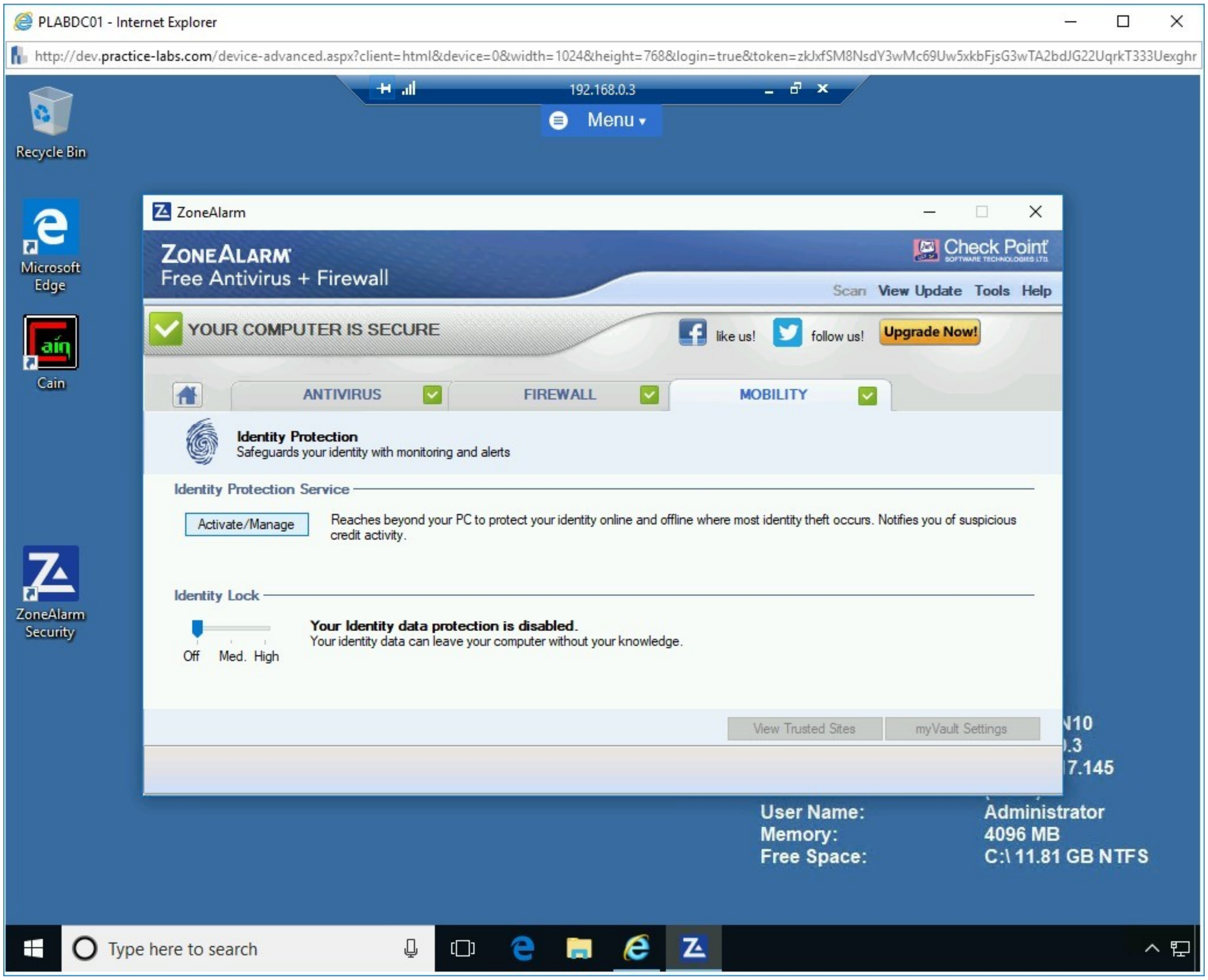
User Name: Administrator
Memory: 4096 MB
Free Space: C:\ 11.81 GB NTFS

Figure 1.24 Screenshot of PLABWIN10: On the MOBILITY tab. Clicking Set up link for Identity Protection.

Step 5

Click **Identity Protection Service**.

On the **Identity Protection Service** section, click **Activate/Manage**.


PLABDC01 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=0&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr
192.168.0.3
Menu ▾
Recycle Bin
Microsoft Edge
Cain
ZoneAlarm Security
ZoneAlarm
ZONEALARM
Free Antivirus + Firewall
Check Point SOFTWARE TECHNOLOGIES LTD.
Scan
View Update
Tools
Help
like us!
follow us!
Upgrade Now!
ANTIVIRUS
FIREWALL
MOBILITY
Activate/Manage
Off
Med.
High
View Trusted Sites
myVault Settings
Type here to search

YOUR COMPUTER IS SECURE

Identity Protection
Safeguards your identity with monitoring and alerts

Identity Protection Service

Reaches beyond your PC to protect your identity online and offline where most identity theft occurs. Notifies you of suspicious credit activity.

Identity Lock

Your Identity data protection is disabled.
Your identity data can leave your computer without your knowledge.

User Name: Administrator
Memory: 4096 MB
Free Space: C:\ 11.81 GB NTFS

Figure 1.25 Screenshot of PLABWIN10: Clicking Activate/Manage in the Identity Protection Service section of the MOBILITY tab.

Step 6

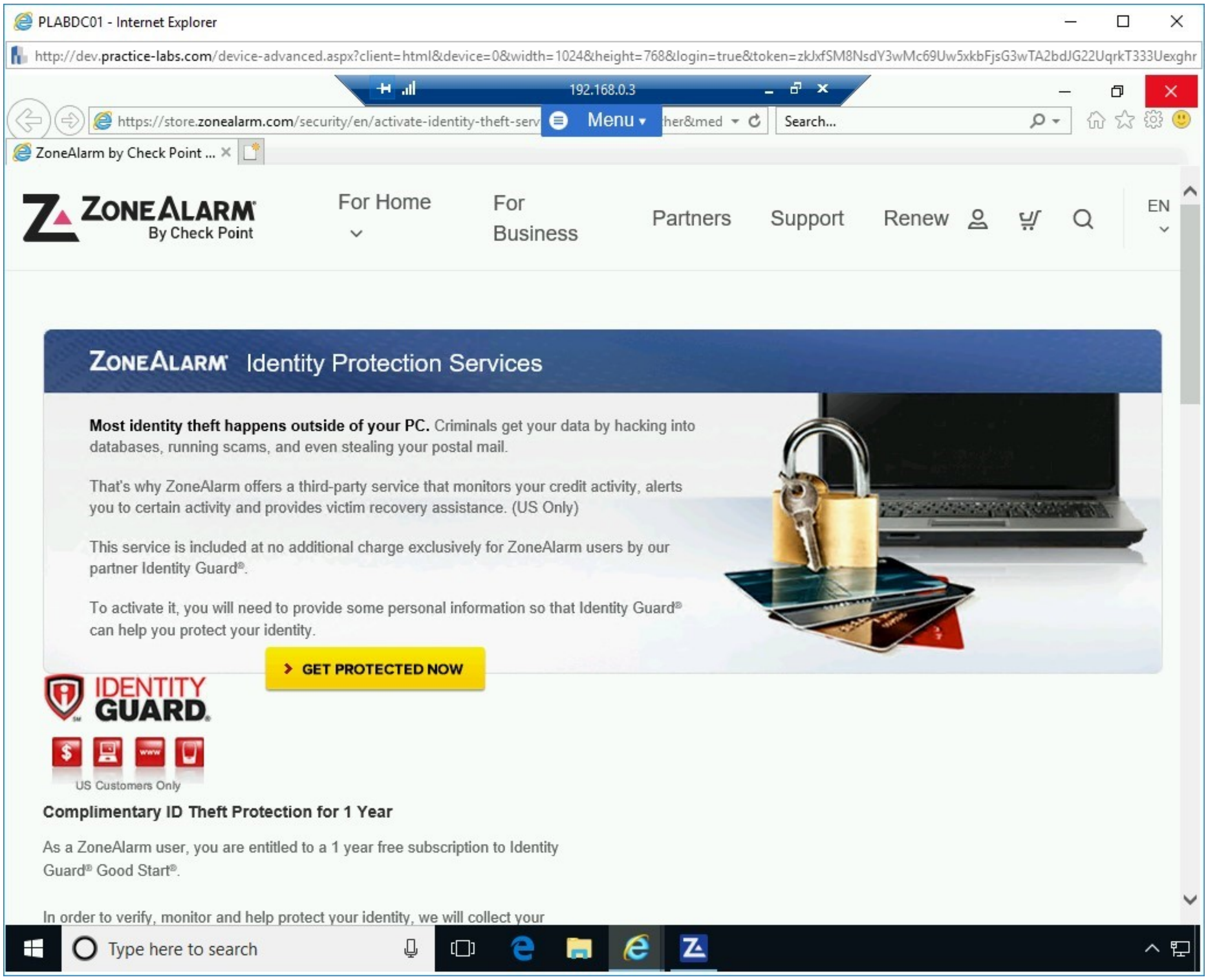
A new Webpage opens in the Web browser.

Alert: The ZoneAlarm **REPEAT PROGRAM** pop-up message may appear at the lower right corner of the screen. Click **Allow**. If it reappears, click **Allow** again.

Scroll down the page and read additional information on **ZoneAlarm Identity Protection Services** about activating **Identity Guard**.

Please note that this lab will not show the actual use of the **Identity Guard**. If you are a resident in the US, you can proceed with the activation of this feature and follow the instructions that will be given to you to use this service.

Close the Web browser after going over the **Identity Guard** information webpage.


PLABDC01 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=0&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr
192.168.0.3
Menu
https://store.zonealarm.com/security/en/activate-identity-theft-serv
her&med
Search...
ZoneAlarm by Check Point ...
ZONEALARM By Check Point
For Home
For Business
Partners
Support
Renew
EN
Type here to search

ZONEALARM Identity Protection Services

Most identity theft happens outside of your PC. Criminals get your data by hacking into databases, running scams, and even stealing your postal mail.

That's why ZoneAlarm offers a third-party service that monitors your credit activity, alerts you to certain activity and provides victim recovery assistance. (US Only)

This service is included at no additional charge exclusively for ZoneAlarm users by our partner Identity Guard®.

To activate it, you will need to provide some personal information so that Identity Guard® can help you protect your identity.

› GET PROTECTED NOW

IDENTITY GUARD

US Customers Only

Complimentary ID Theft Protection for 1 Year

As a ZoneAlarm user, you are entitled to a 1 year free subscription to Identity Guard® Good Start®.

In order to verify, monitor and help protect your identity, we will collect your

Figure 1.26 Screenshot of PLABWIN10: Showing the details of the Identity Protection and then closing the Web browser.

Keep all devices powered on in their current state and proceed to the next task.

Task 4 - Configure ZoneAlarm to use a Proxy Server

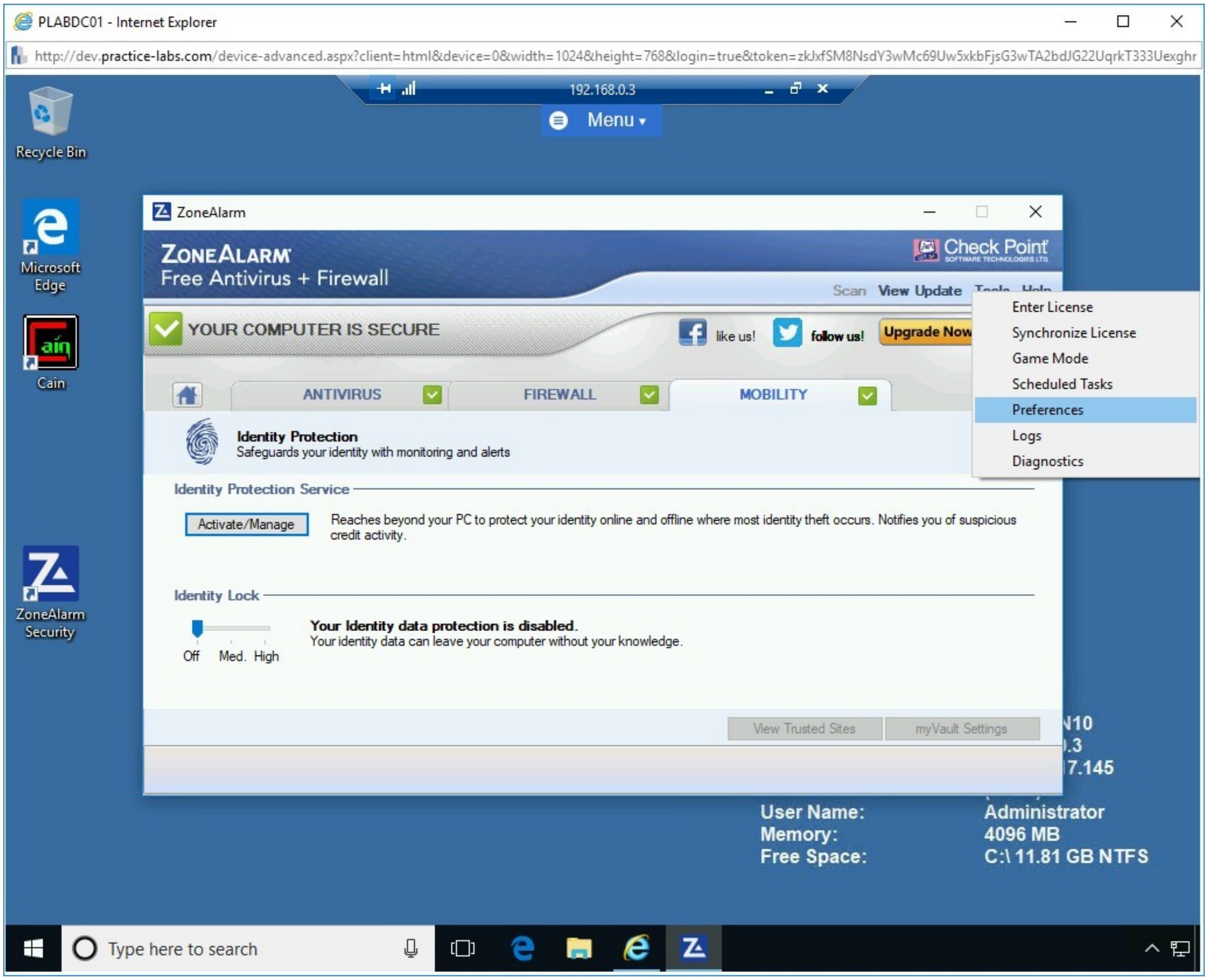
Before downloading the updates of antivirus definitions, you need to set up ZoneAlarm to use the proxy server in this lab.

In this task, you will configure ZoneAlarm to use the proxy server.

Step 1

Ensure you are back on the **ZoneAlarm** window from the previous task.

On the **ZoneAlarm** window, click the **Tools** menu near the top-right corner of the window and select **Preferences**.



Reaches beyond your PC to protect your identity online and offline where most identity theft occurs. Notifies you of suspicious credit activity.

Your Identity data protection is disabled.
Your identity data can leave your computer without your knowledge.

Figure 1.27 Screenshot of PLABWIN10: Selecting Preferences from the Tools menu within ZoneAlarm.

Step 2

On the **Preferences** dialog box, under the **Proxy Configuration** section, enter the following settings:

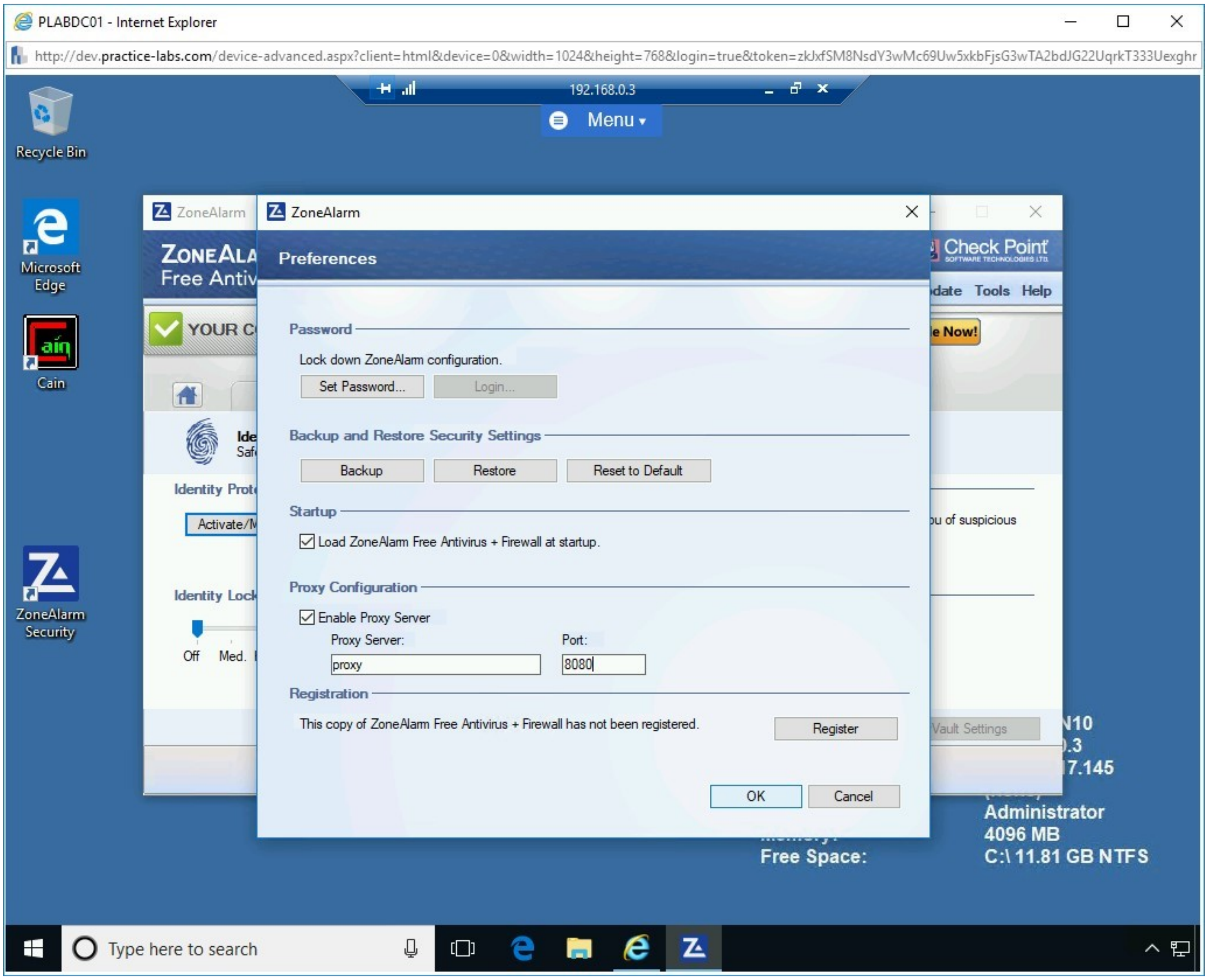
Select the **Enable Proxy Server** checkbox. In the **Proxy Server** text box, type:

```
proxy
```

In the **Port** text box, type:

```
8080
```

Click **OK**.


PLABDC01 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=0&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr
192.168.0.3
Menu
Recycle Bin
Microsoft Edge
Cain
ZoneAlarm Security
ZoneAlarm
Set Password...
Login...
Backup
Restore
Reset to Default
Register
OK
Cancel
Type here to search

Preferences

Password

Lock down ZoneAlarm configuration.

Backup and Restore Security Settings

Startup

☑ Load ZoneAlarm Free Antivirus + Firewall at startup.

Proxy Configuration

☑ Enable Proxy Server

Proxy Server: proxy

Port: 8080

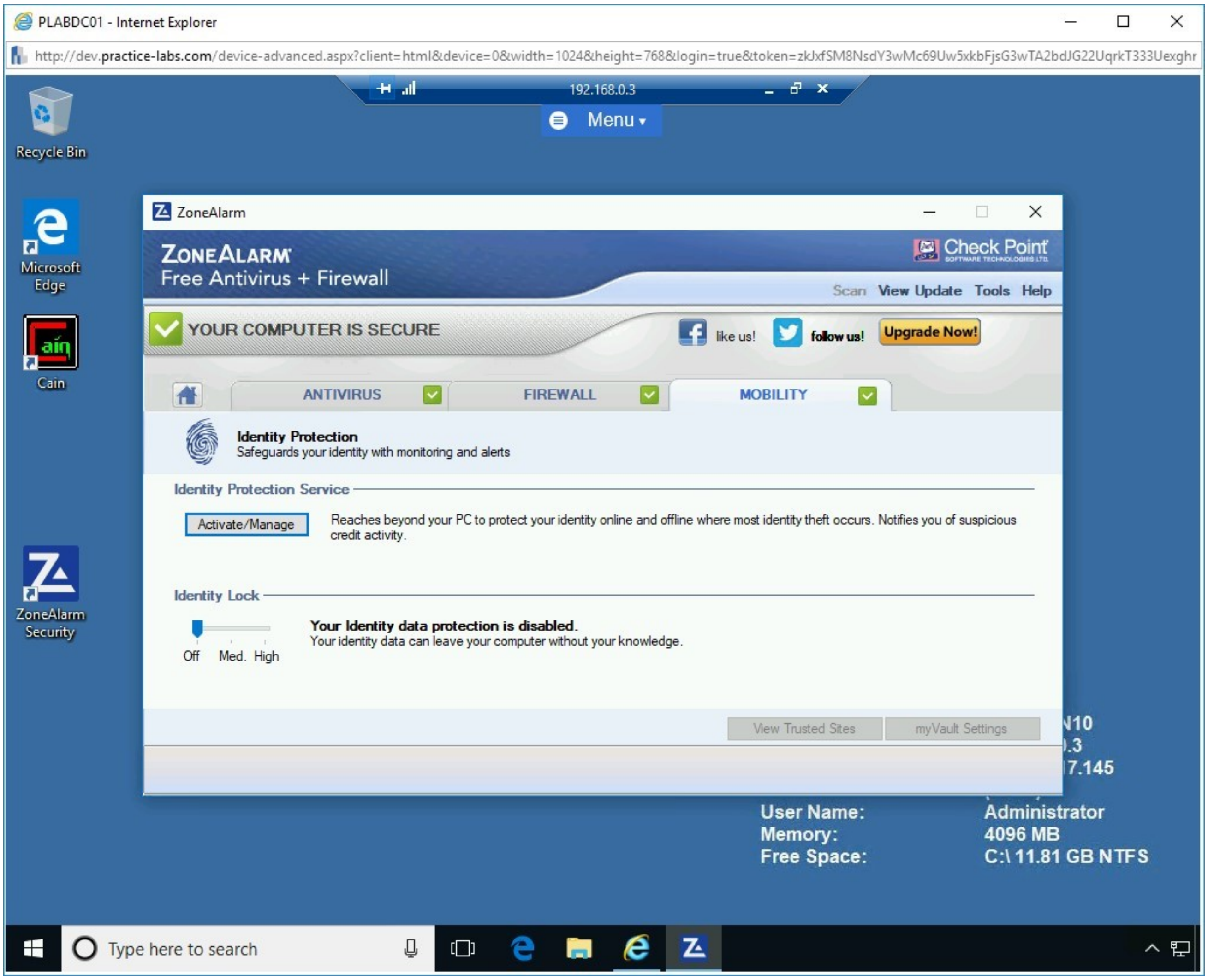
Registration

This copy of ZoneAlarm Free Antivirus + Firewall has not been registered.

Figure 1.28 Screenshot of PLABWIN10: Entering the proxy server details in the Preferences dialog box.

Step 3

Keep the **ZoneAlarm** window open for the next activity.



YOUR COMPUTER IS SECURE

Identity Protection
Safeguards your identity with monitoring and alerts

Identity Protection Service

Reaches beyond your PC to protect your identity online and offline where most identity theft occurs. Notifies you of suspicious credit activity.

Identity Lock

Your Identity data protection is disabled.
Your identity data can leave your computer without your knowledge.

User Name: Administrator
Memory: 4096 MB
Free Space: C:\ 11.81 GB NTFS

Figure 1.29 Screenshot of PLABWIN10: Showing the ZoneAlarm dialog box.

Keep all devices powered on in their current state and proceed to the next task.

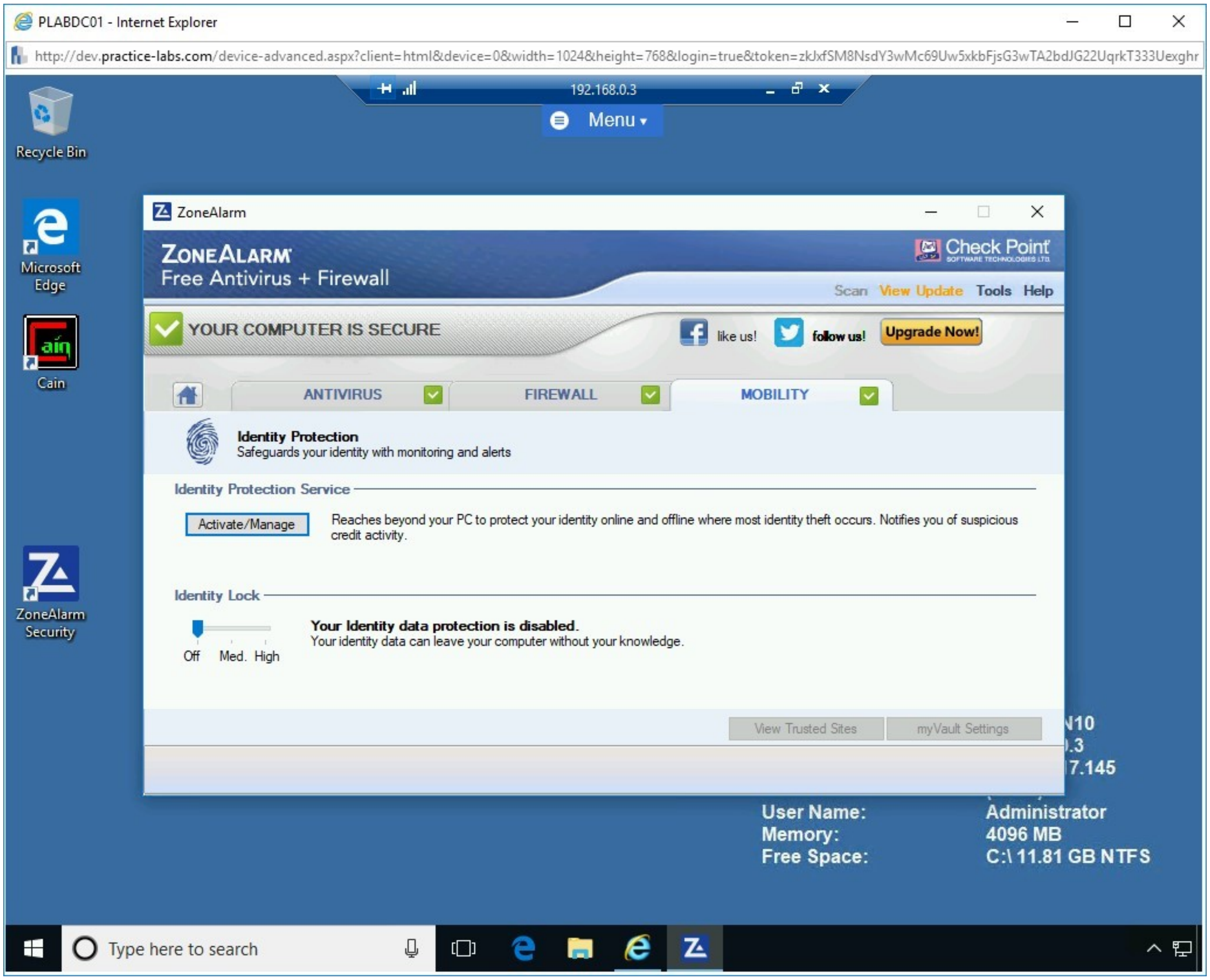
Task 5 - Update the ZoneAlarm Definitions and Perform a Quick Scan

Like other anti-malware applications, you need to update the signatures of the program to make it effective in fending off unwanted malware from infecting your system.

In this task, you will update the antivirus definitions.

Step 1

On the **ZoneAlarm** application, click **View Update** on the near the top-right corner of the window.



PLABDC01 - Internet Explorer

http://dev.practice-labs.com/device-advanced.aspx?client=html&device=0&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr

ZoneAlarm Free Antivirus + Firewall

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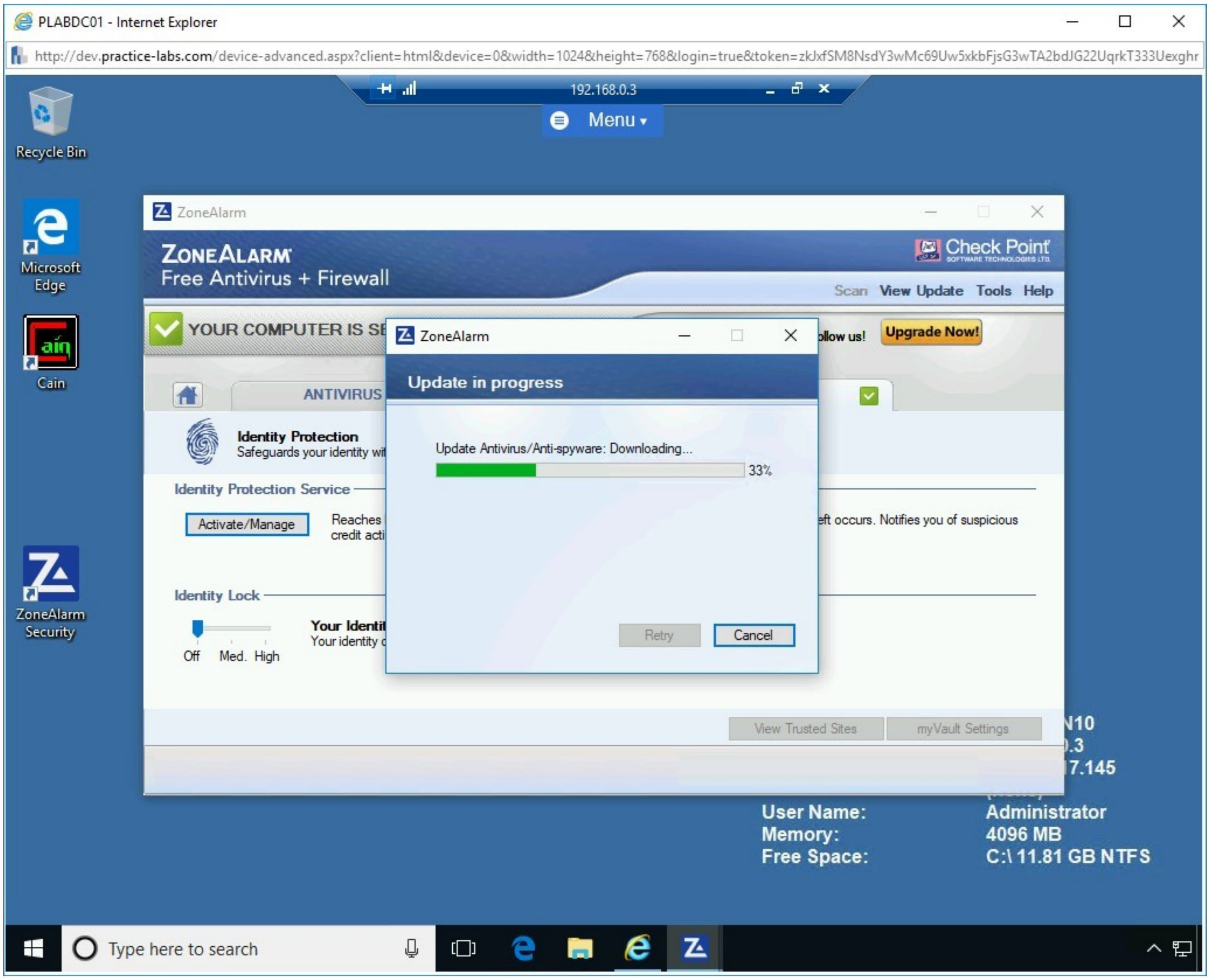
User Name: Administrator
Memory: 4096 MB
Free Space: C:\ 11.81 GB NTFS

Figure 1.30 Screenshot of PLABWIN10: Clicking View Update in the ZoneAlarm dialog box.

Step 2

The **ZoneAlarm** dialog box is displayed. It displays the update signature download progress.

Note: The update process may take 10-15 minutes, depending on Internet connectivity.



Update in progress

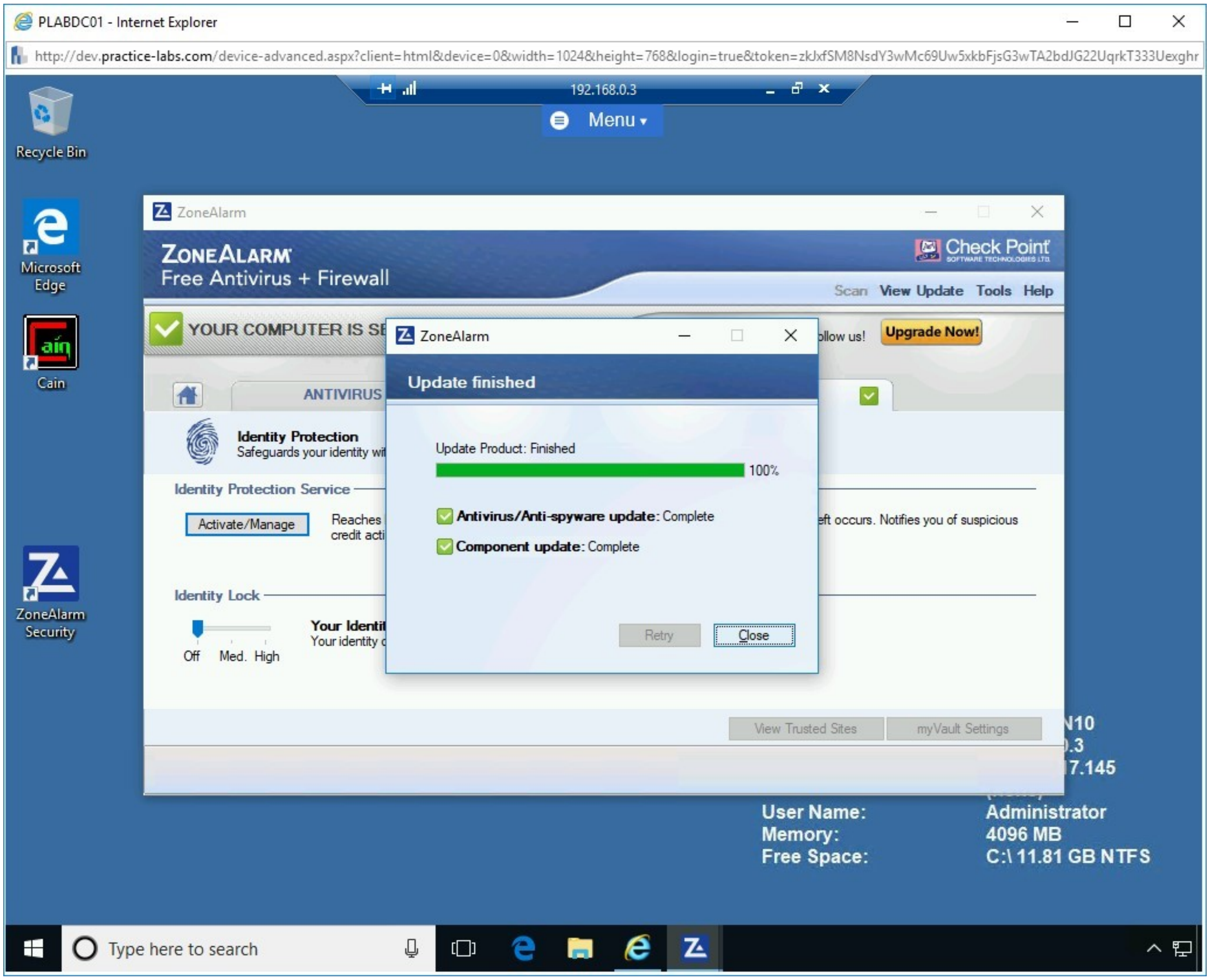
Update Antivirus/Anti-spyware: Downloading... 33%

Figure 1.31 Screenshot of PLABWIN10: Showing the ZoneAlarm dialog box downloading the updates.

Step 3

Alert: During the product update, if you get a “**Product Update error**” on either component, click **Retry**. If you get an error again, close the **ZoneAlarm** window. Then, reopen **ZoneAlarm** and perform the same steps indicated in this task. This error is caused by delays in connecting to the proxy server by the ZoneAlarm application.

When the **Antivirus/anti-spyware update** and **Product Update** indicate **Complete** status, click **Close**.



ZoneAlarm

Update finished

Update Product: Finished

100%

☑ **Antivirus/Anti-spyware update**: Complete

☑ **Component update**: Complete

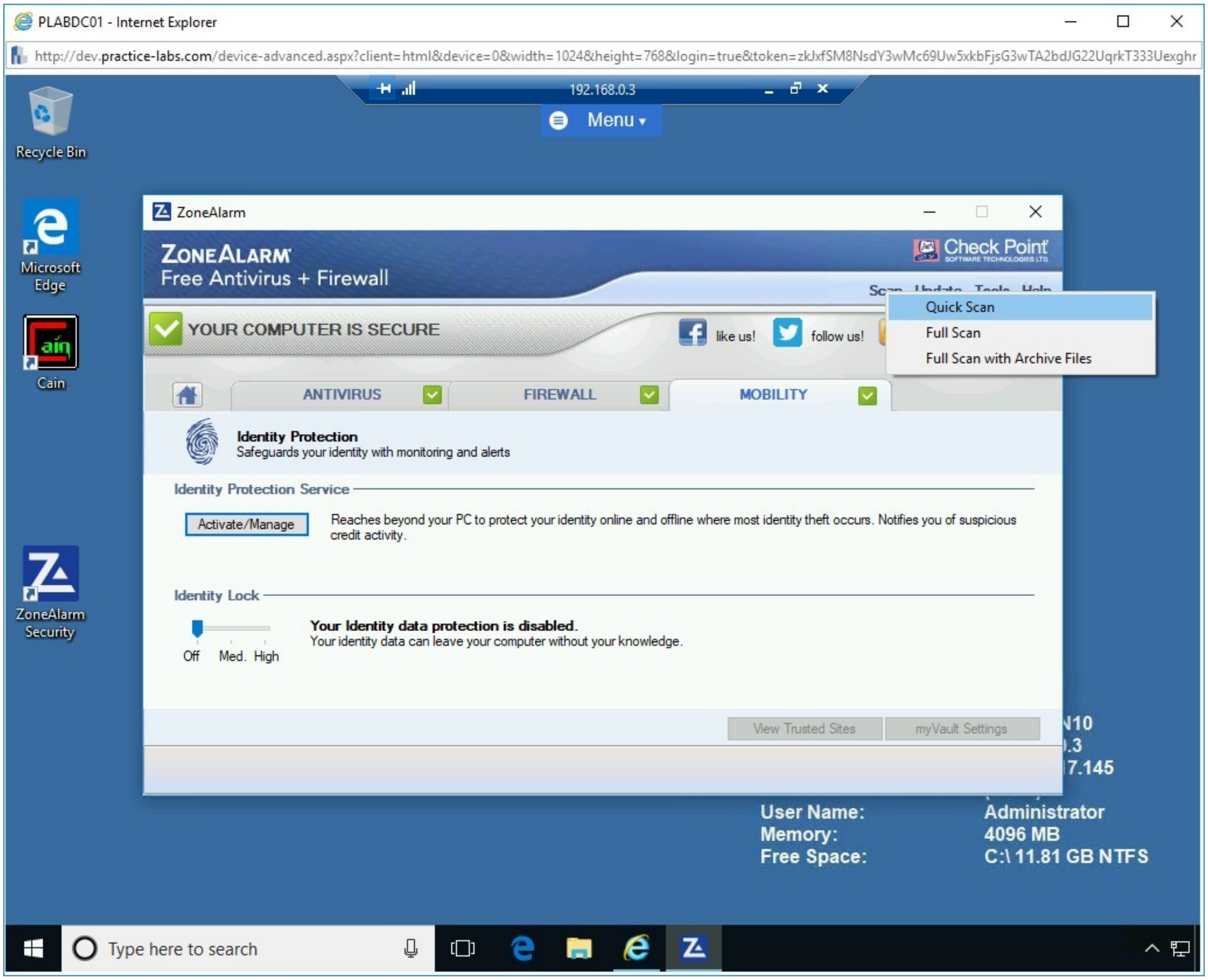
N10
.3
7.145

User Name: Administrator
Memory: 4096 MB
Free Space: C:\ 11.81 GB NTFS

Figure 1.32 Screenshot of PLABWIN10: Clicking Close on the ZoneAlarm dialog box after updates are downloaded.

Step 4

Click **Scan** on the top-right menu and then select **Quick Scan**.


PLABDC01 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=0&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr
192.168.0.3
Menu
Recycle Bin
Microsoft Edge
Cain
ZoneAlarm Security
ZoneAlarm
ZONEALARM
Free Antivirus + Firewall
Check Point
SOFTWARE TECHNOLOGIES LTD.
Scan
Update
Tools
Help
Quick Scan
Full Scan
Full Scan with Archive Files
like us!
follow us!
ANTIVIRUS
FIREWALL
MOBILITY
Activate/Manage
Off
Med.
High
View Trusted Sites
myVault Settings
Type here to search

YOUR COMPUTER IS SECURE

Identity Protection
Safeguards your identity with monitoring and alerts

Identity Protection Service

Reaches beyond your PC to protect your identity online and offline where most identity theft occurs. Notifies you of suspicious credit activity.

Identity Lock

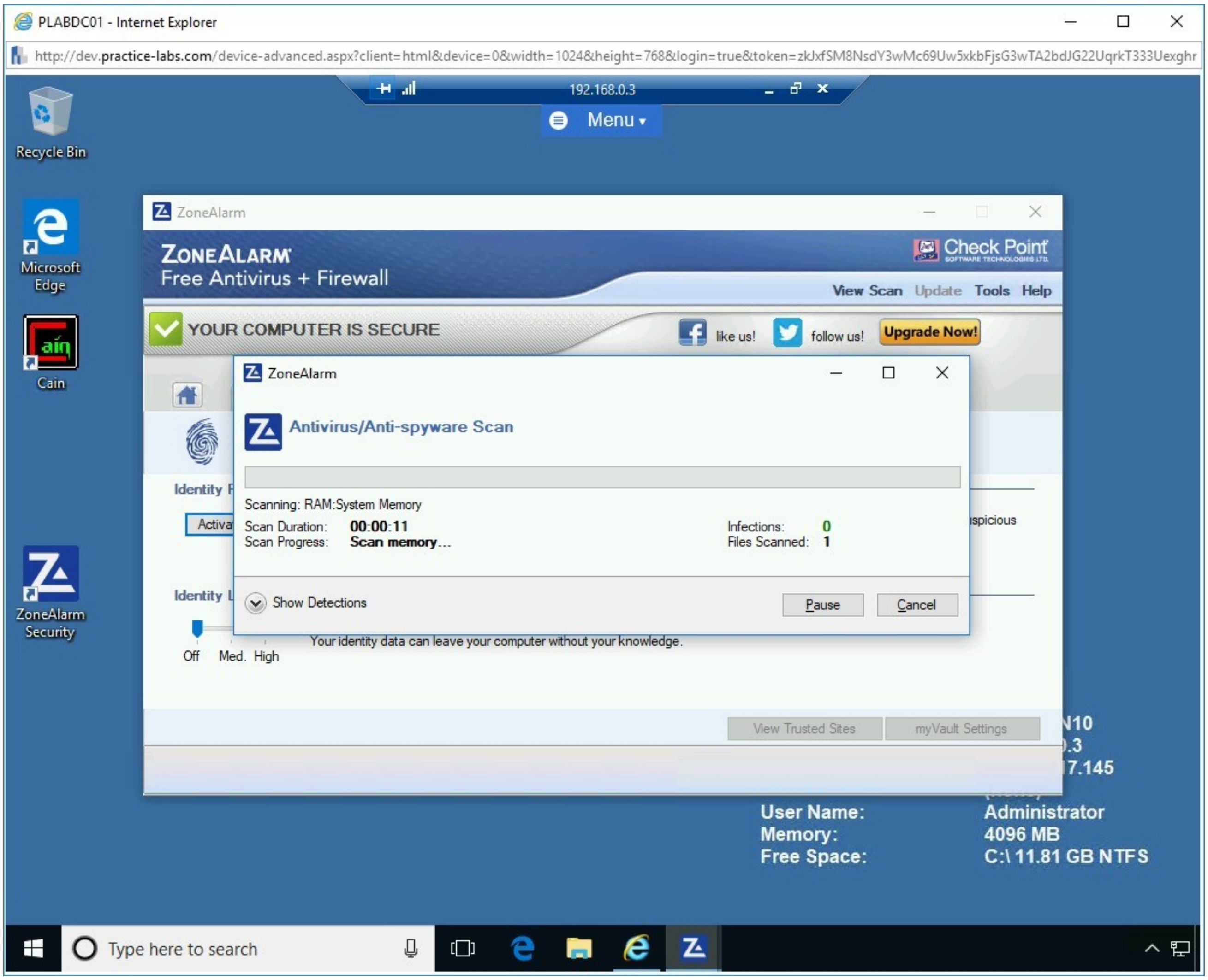
Your Identity data protection is disabled.
Your identity data can leave your computer without your knowledge.

N10
.3
7.145

User Name: Administrator
Memory: 4096 MB
Free Space: C:\ 11.81 GB NTFS

Figure 1.33 Screenshot of PLABWIN10: Selecting Quick Scan from the Scan menu.

The **Quick Scan** process starts.



ZoneAlarm

Antivirus/Anti-spyware Scan

Scanning: RAM:System Memory

Scan Duration: 00:00:11

Scan Progress: Scan memory...

Infections: 0

Files Scanned: 1

Your identity data can leave your computer without your knowledge.

User Name: Administrator

Memory: 4096 MB

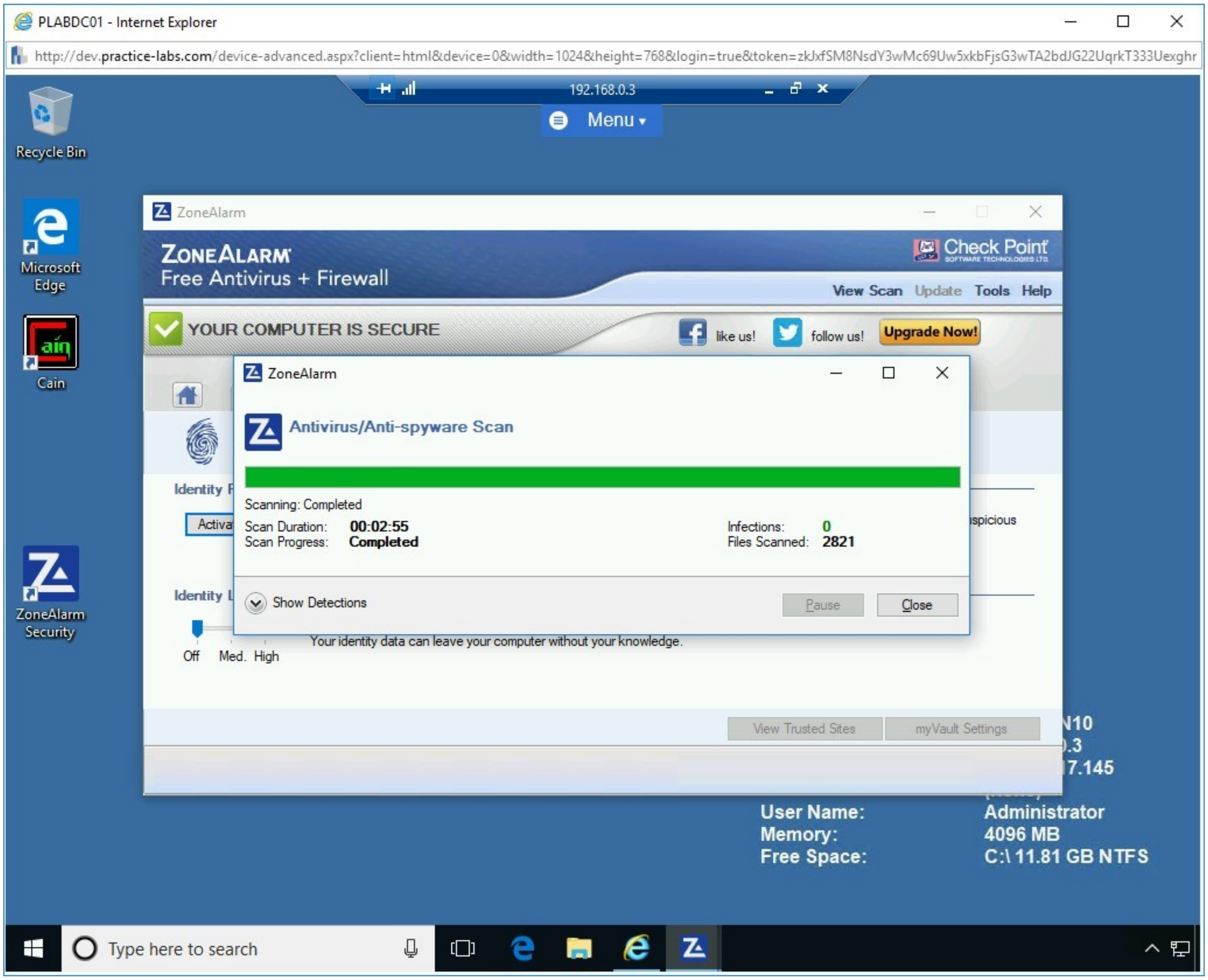
Free Space: C:\ 11.81 GB NTFS

Figure 1.34 Screenshot of PLABWIN10: Showing the ZoneAlarm dialog box with the Quick Scan progress.

Step 5

The quick scan completed successfully.

Click **Show Detections** down arrow.



ZoneAlarm

Antivirus/Anti-spyware Scan

Scanning: Completed

Scan Duration: 00:02:55

Scan Progress: Completed

Infections: 0

Files Scanned: 2821

Your identity data can leave your computer without your knowledge.

User Name: Administrator

Memory: 4096 MB

Free Space: C:\ 11.81 GB NTFS

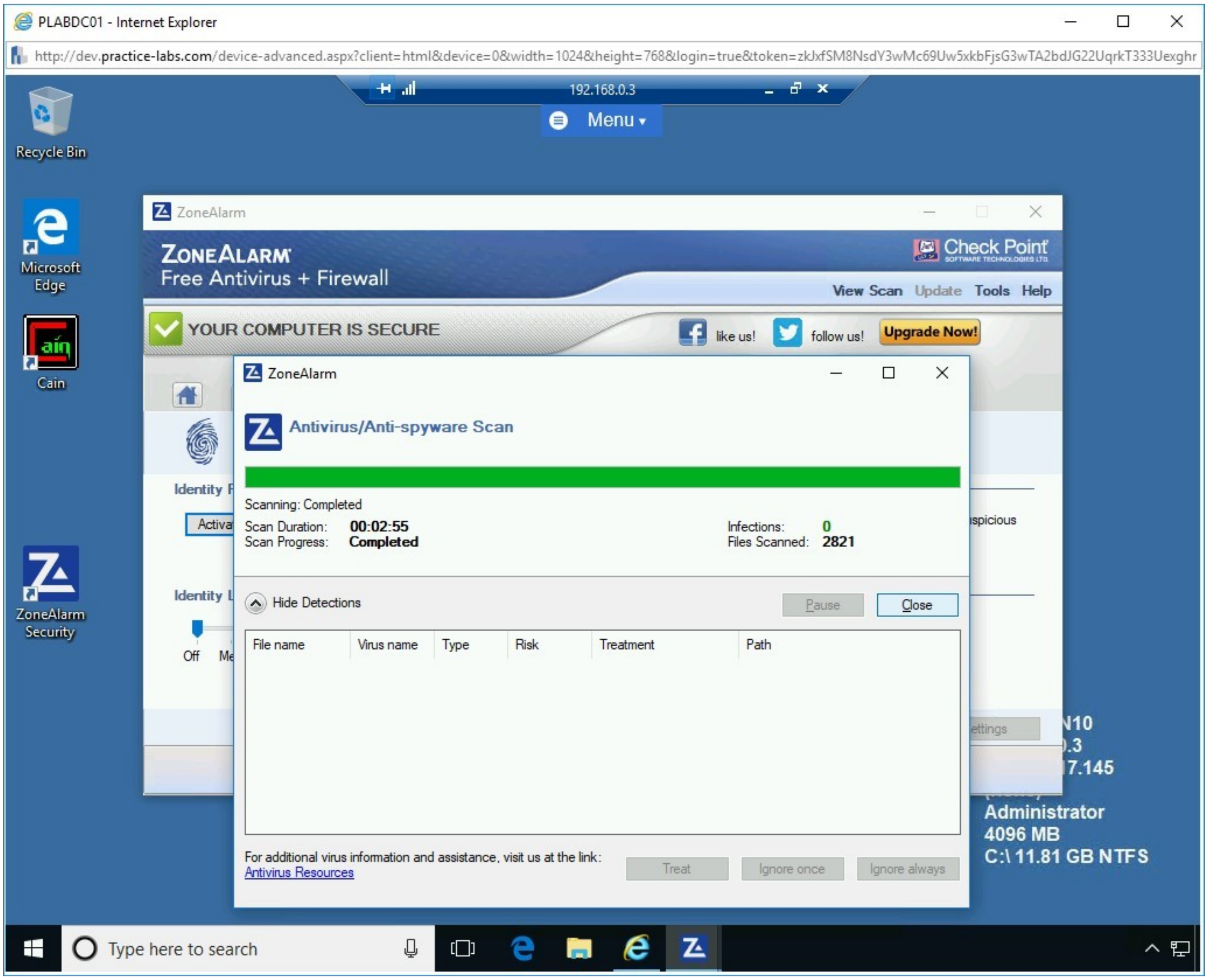
Figure 1.35 Screenshot of PLABWIN10: Clicking the Show Detections down arrow.

Step 6

There are no viruses detected in this scan.

Click **Close**.

Alert: You may get an application termination error. Click **Close**. This error message may appear multiple times.



Scanning: Completed

Scan Duration: 00:02:55

Scan Progress: Completed

Infections: 0

Files Scanned: 2821

For additional virus information and assistance, visit us at the link: Antivirus Resources

Administrator
4096 MB
C:\ 11.81 GB NTFS

Figure 1.36 Screenshot of PLABWIN10: Clicking Close on the ZoneAlarm dialog box.

Keep all devices powered on in their current state and proceed to the next task.

Task 6 - Work with ZoneAlarm Logs

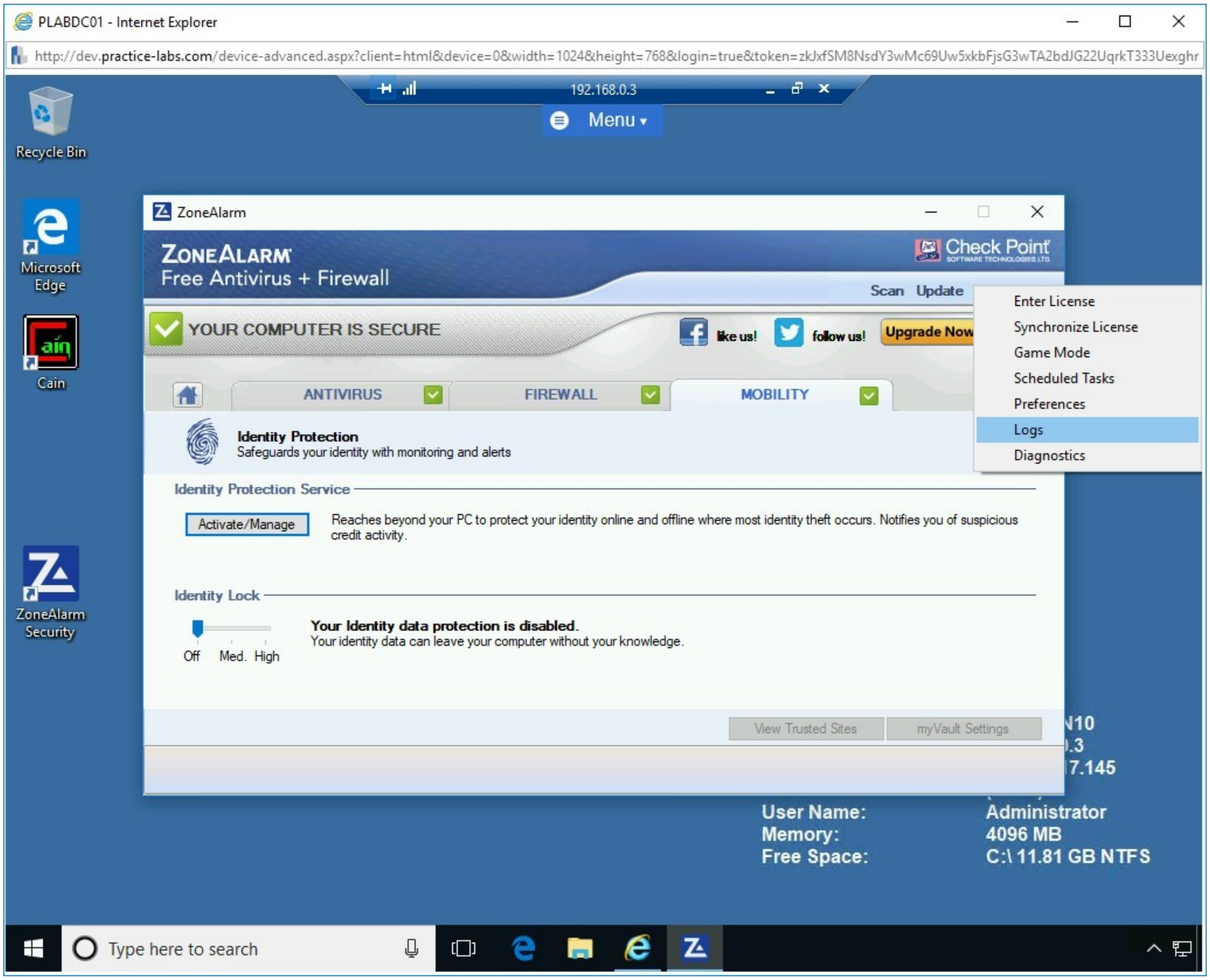
ZoneAlarm also creates the logs and maintains them. You can view them using the Tools > Logs menu.

In this task, you will view the logs in ZoneAlarm.

Step 1

Ensure you have powered on all the devices listed in the introduction and connect to **PLABDC01.**

Click **Tools** on the top-right menu and select **Logs**.



http://dev.practice-labs.com/device-advanced.aspx?client=html&device=0&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr

Identity Protection
Safeguards your identity with monitoring and alerts

Reaches beyond your PC to protect your identity online and offline where most identity theft occurs. Notifies you of suspicious credit activity.

Your Identity data protection is disabled.
Your identity data can leave your computer without your knowledge.

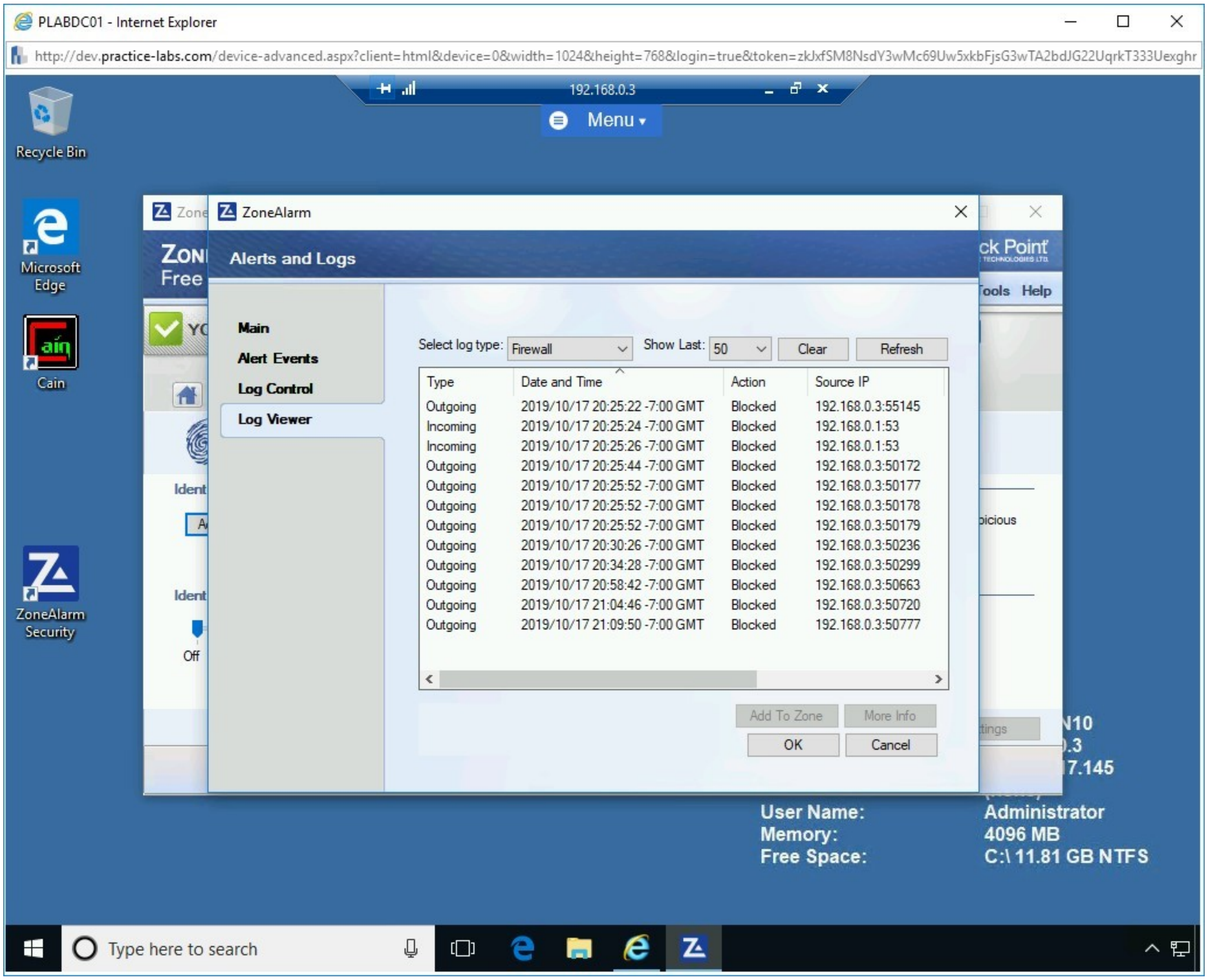
User Name: Administrator
Memory: 4096 MB
Free Space: C:\ 11.81 GB NTFS

Figure 1.37 Screenshot of PLABDC01: Selecting Logs from the Tools menu.

Step 2

The Alerts and Logs dialog box appears.

Ensure the **Log Viewer** tab is selected. This section shows the Firewall log and outgoing connections that were blocked along with other details.


PLABDC01 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=0&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr
192.168.0.3
Menu
Recycle Bin
Microsoft Edge
Cain
ZoneAlarm Security
ZoneAlarm
Alerts and Logs
Main
Alert Events
Log Control
Log Viewer
Add To Zone
More Info
OK
Cancel
User Name: Administrator
Memory: 4096 MB
Free Space: C:\ 11.81 GB NTFS
Type here to search

Select log type: Firewall Show Last: 50 Clear Refresh

Type	Date and Time	Action	Source IP
Outgoing	2019/10/17 20:25:22 -7:00 GMT	Blocked	192.168.0.3:55145
Incoming	2019/10/17 20:25:24 -7:00 GMT	Blocked	192.168.0.1:53
Incoming	2019/10/17 20:25:26 -7:00 GMT	Blocked	192.168.0.1:53
Outgoing	2019/10/17 20:25:44 -7:00 GMT	Blocked	192.168.0.3:50172
Outgoing	2019/10/17 20:25:52 -7:00 GMT	Blocked	192.168.0.3:50177
Outgoing	2019/10/17 20:25:52 -7:00 GMT	Blocked	192.168.0.3:50178
Outgoing	2019/10/17 20:25:52 -7:00 GMT	Blocked	192.168.0.3:50179
Outgoing	2019/10/17 20:30:26 -7:00 GMT	Blocked	192.168.0.3:50236
Outgoing	2019/10/17 20:34:28 -7:00 GMT	Blocked	192.168.0.3:50299
Outgoing	2019/10/17 20:58:42 -7:00 GMT	Blocked	192.168.0.3:50663
Outgoing	2019/10/17 21:04:46 -7:00 GMT	Blocked	192.168.0.3:50720
Outgoing	2019/10/17 21:09:50 -7:00 GMT	Blocked	192.168.0.3:50777

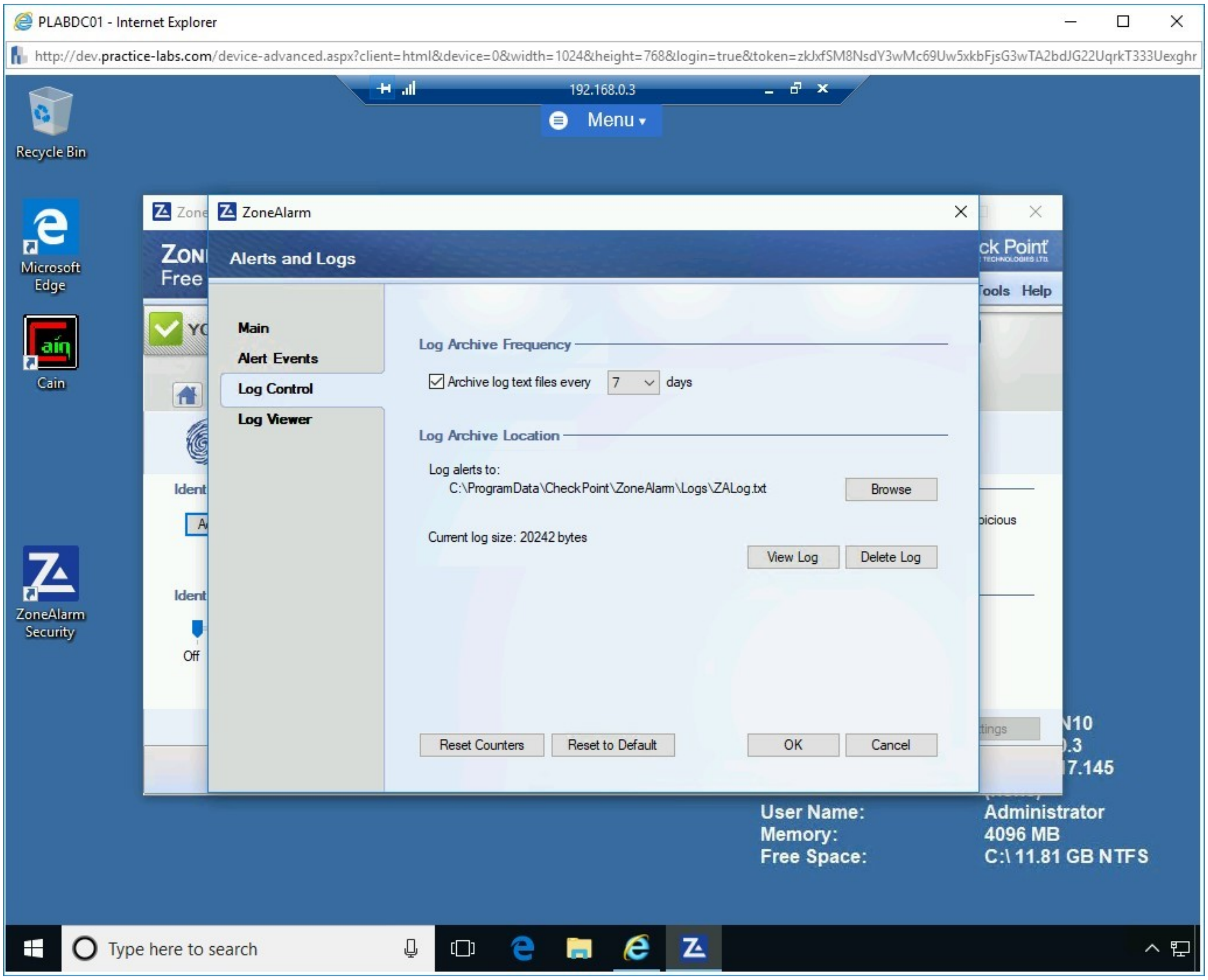
Figure 1.38 Screenshot of PLABDC01: Showing the logs on the Log Viewer tab.

Step 3

Click the **Log Control** tab.

In the Log Control section, the log archive frequency and log archive locations have been automatically set.

Keep the default selections.



http://dev.practice-labs.com/device-advanced.aspx?client=html&device=0&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr

Log Archive Frequency

☑ Archive log text files every 7 days

Log Archive Location

Log alerts to:
C:\ProgramData\CheckPoint\ZoneAlarm\Logs\ZALog.txt

Current log size: 20242 bytes

User Name: Administrator
Memory: 4096 MB
Free Space: C:\ 11.81 GB NTFS

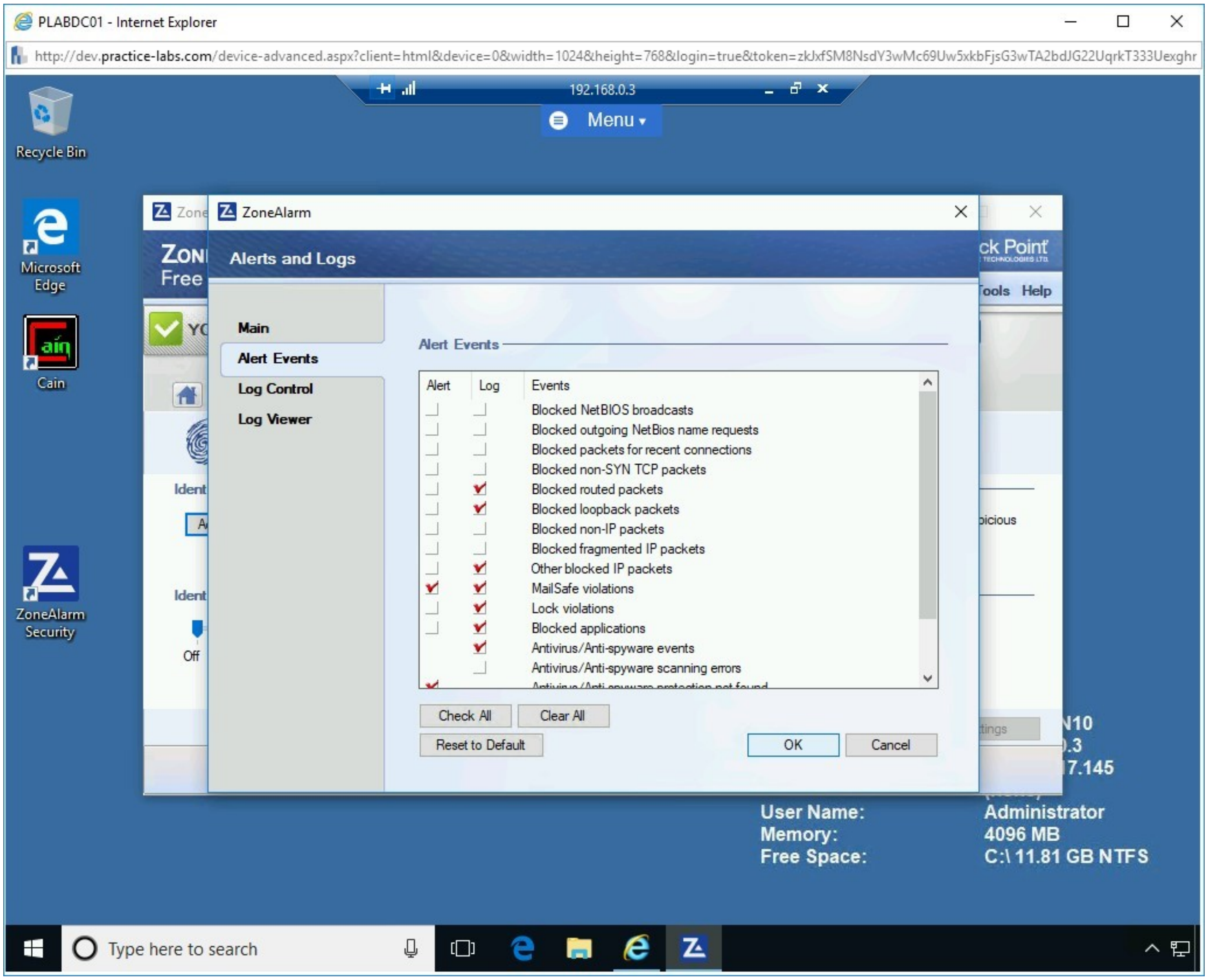
Figure 1.39 Screenshot of PLABDC01: Showing the settings under Log Control on the Log Control tab.

Step 4

Click the **Alert Events** tab.

On the Alert Events section, you have the settings for different system events.

Keep the default selections.



PLABDC01 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=0&width=1024&height=768&login=true&token=zkJxfSM8NsdY3wMc69Uw5xkbFjsG3wTA2bdJG22UqrkT333Uexghr
192.168.0.3
Menu
Recycle Bin
Microsoft Edge
Cain
ZoneAlarm Security
ZoneAlarm
Alerts and Logs
Main
Alert Events
Log Control
Log Viewer
Type here to search

Alert Events

Alert	Log	Events
□	□	Blocked NetBIOS broadcasts
□	□	Blocked outgoing NetBios name requests
□	□	Blocked packets for recent connections
□	□	Blocked non-SYN TCP packets
□	☑	Blocked routed packets
□	☑	Blocked loopback packets
□	□	Blocked non-IP packets
□	□	Blocked fragmented IP packets
□	☑	Other blocked IP packets
☑	☑	MailSafe violations
□	☑	Lock violations
□	☑	Blocked applications
	☑	Antivirus/Anti-spyware events
	□	Antivirus/Anti-spyware scanning errors
☑		Antivirus/Anti-spyware protection not found

Figure 1.40 Screenshot of PLABDC01: Showing the settings under the Alert Events tab.

Click **OK**.

Alert: For the next exercise, you need to revert these devices to their default settings. From the Practice Labs platform, use the **Reset all devices** option to reset all devices.

Exercise 2 - Using Anonymous Proxy Sites

Corporate network environments implement strict security policies when it comes to using the Internet.

Non-work-related Websites, such as Facebook, are generally blocked. However, you can use anonymous proxies or Websites to bypass the firewall. Anonymous proxies are just simple Websites that allow you to feed in the URL that you intend to visit.

These Websites also keep your information anonymous when you visit other Websites. This means that your computer information, such as IP address, etc. is not revealed.

You can obtain a large list of anonymous Websites:

```
http://www.hongkiat.com/blog/how-to-access-blocked-web-sites/
```

Important: The above URL may not display the complete web page. You will need to use your computer to see the list of proxy sites. Most of the websites listed on the above-mentioned URL are blocked in the Practice Labs environment due to firewall restrictions.

In this exercise, you will bypass blocked sites using an anonymous Website surfing site.

Learning Outcomes

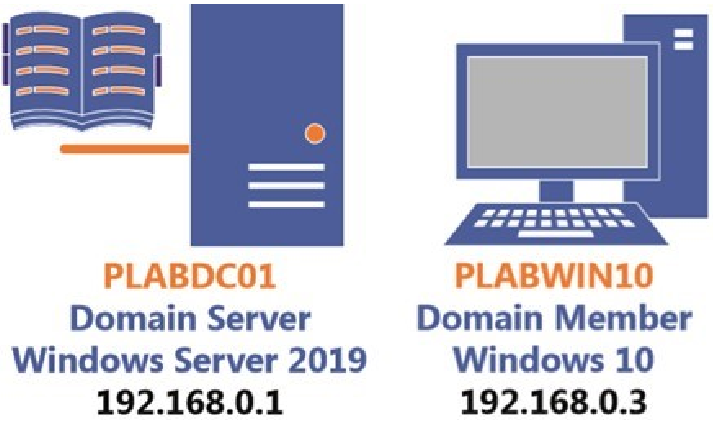
After completing this exercise, you will be able to:

- Bypass Blocked Sites Using Anonymous Website Surfing Sites

Your Devices

You will be using the following devices in this lab. Please power these on now.

- **PLABDC01 -** (Windows Server 2019 - Domain Server)
- **PLABWIN10 -** (Windows 10 - Workstation)



Task 1 - Bypass Blocked Sites Using Anonymous Website Surfing Sites

There is one proxy site that has been specifically allowed on the Practice Labs devices for the purpose of carrying out this task. The website is as follows:

```
https://www.proxfree.com
```

In this task, you will find out what anonymous Website resources are available and access a Website anonymously using ProxFree.

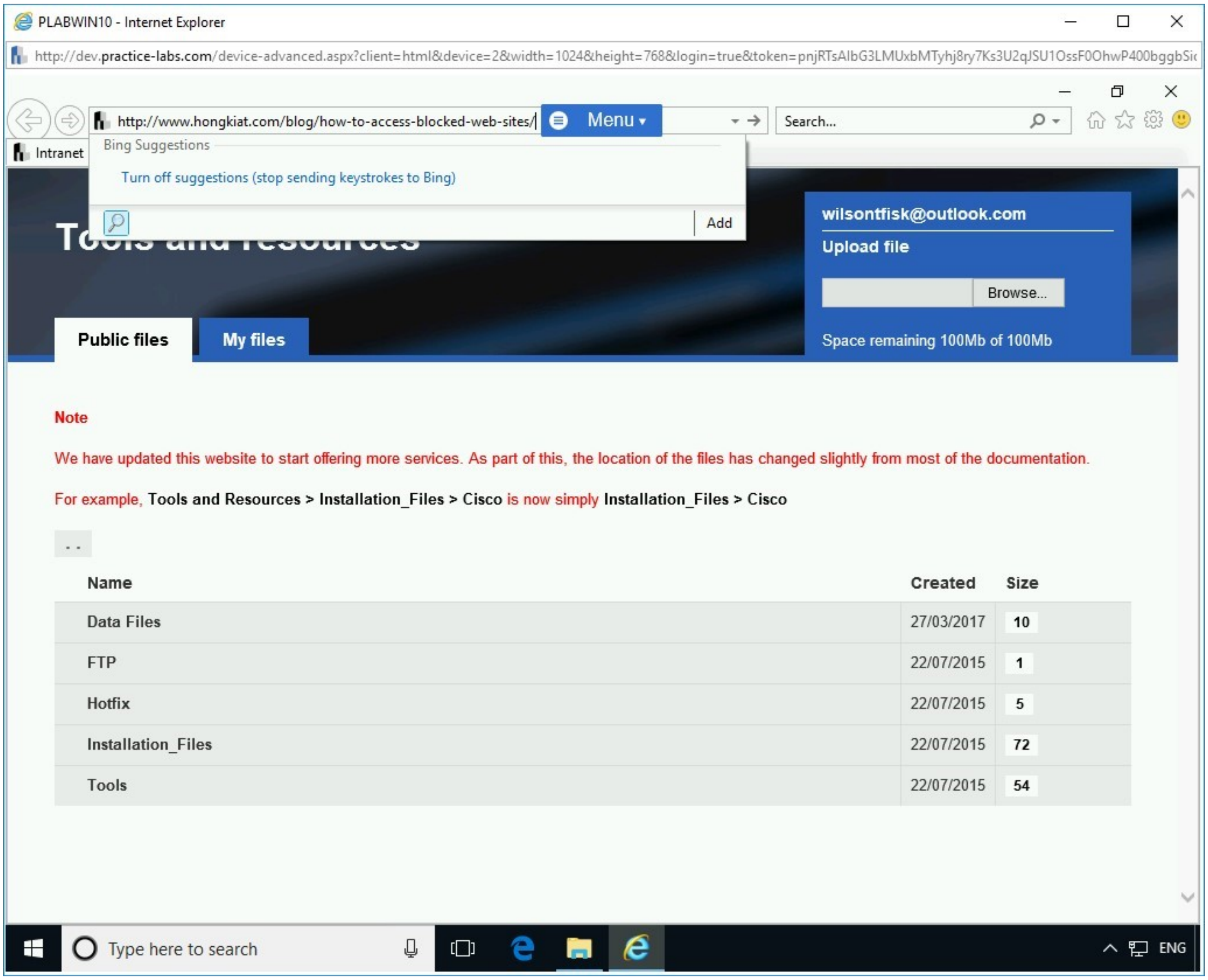
Step 1

Ensure you have powered on all the devices listed in the introduction and connect to **PLABWIN10.**

Launch **Internet Explorer**. In the address bar, type the following URL:

```
http://www.hongkiat.com/blog/how-to-access-blocked-web-
sites/
```

Press **Enter**.



http://dev.practice-labs.com/device-advanced.aspx?client=html&device=2&width=1024&height=768&login=true&token=pnjRTsAlbG3LMUxbMTyhj8ry7Ks3U2qJSU1OssF0OhwP400bggbSi

http://www.hongkiat.com/blog/how-to-access-blocked-web-sites/

Space remaining 100Mb of 100Mb

Note

We have updated this website to start offering more services. As part of this, the location of the files has changed slightly from most of the documentation.

For example, Tools and Resources > Installation_Files > Cisco is now simply Installation_Files > Cisco

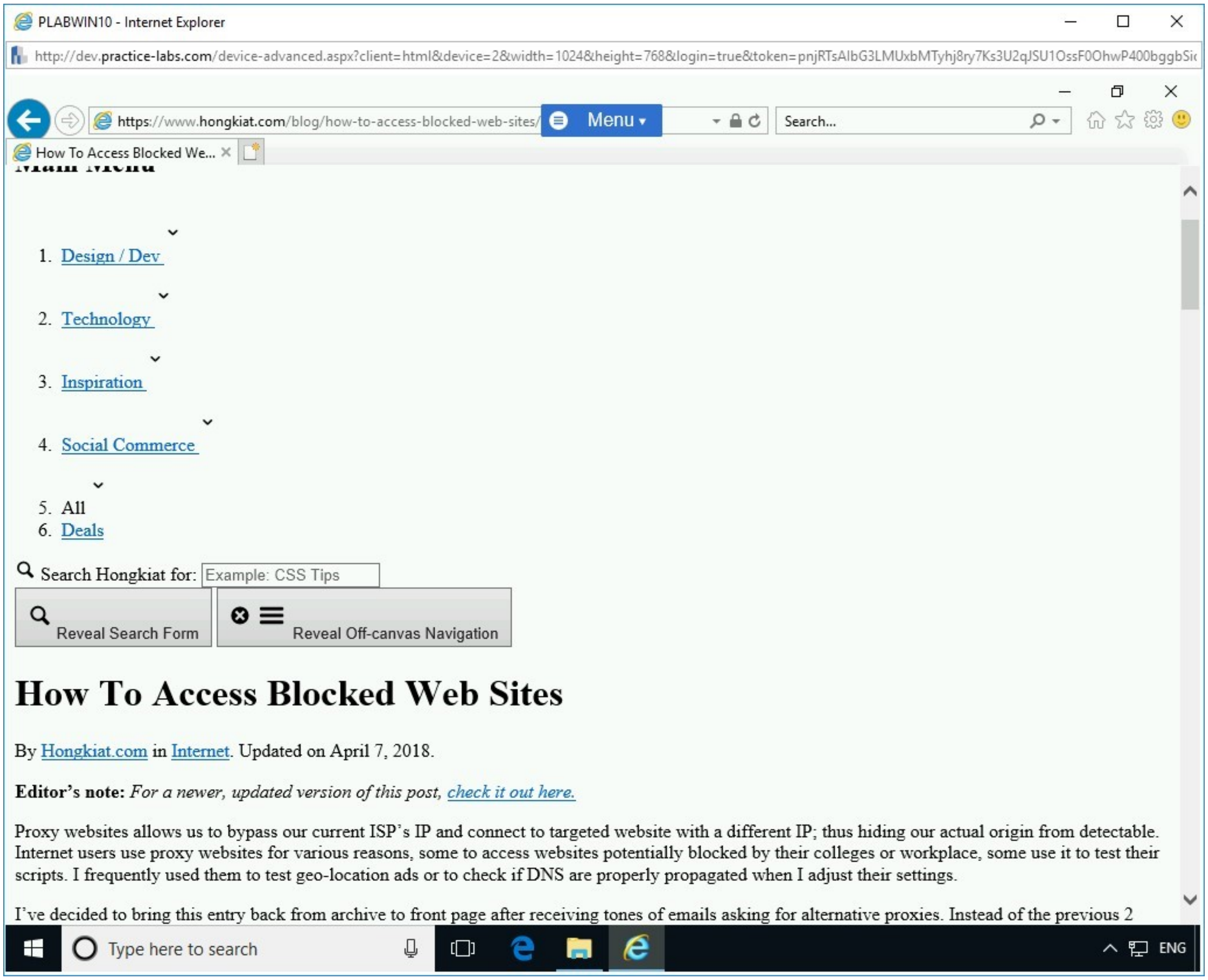
. .

Name	Created	Size
Data Files	27/03/2017	10
FTP	22/07/2015	1
Hotfix	22/07/2015	5
Installation_Files	22/07/2015	72
Tools	22/07/2015	54

Figure 2.1 Screenshot of PLABWIN10: Entering the URL in the address bar of Internet Explorer.

The Website launches.

> ***Note****: The Website may not be displayed in the proper format.*


PLABWIN10 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=2&width=1024&height=768&login=true&token=pnjRTsAlbG3LMUxbMTyhj8ry7Ks3U2qJSU1OssF0OhwP400bggbSi
https://www.hongkiat.com/blog/how-to-access-blocked-web-sites/
Menu ▾
Search...
How To Access Blocked We...
Type here to search
ENG

1. Design / Dev
2. Technology
3. Inspiration
4. Social Commerce
5. All
6. Deals

Search Hongkiat for: Example: CSS Tips

Reveal Search Form

Reveal Off-canvas Navigation

How To Access Blocked Web Sites

By Hongkiat.com in Internet. Updated on April 7, 2018.

Editor's note: *For a newer, updated version of this post, check it out here.*

Proxy websites allows us to bypass our current ISP's IP and connect to targeted website with a different IP; thus hiding our actual origin from detectable. Internet users use proxy websites for various reasons, some to access websites potentially blocked by their colleges or workplace, some use it to test their scripts. I frequently used them to test geo-location ads or to check if DNS are properly propagated when I adjust their settings.

I've decided to bring this entry back from archive to front page after receiving tones of emails asking for alternative proxies. Instead of the previous 2

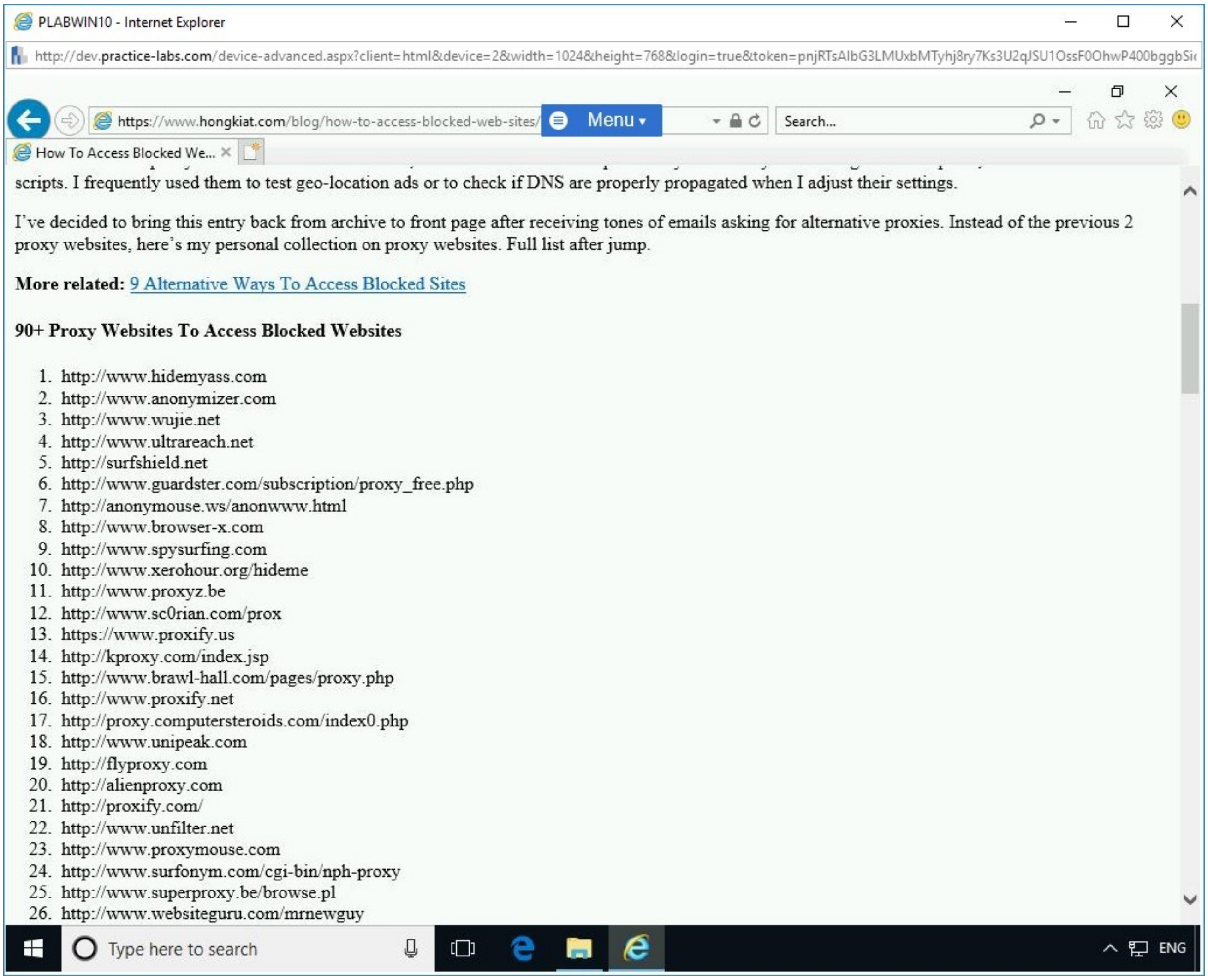
Figure 2.2 Screenshot of PLABWIN10: Showing the loaded Website in Internet Explorer.

Step 2

Scroll down the list to find an extensive list of proxy websites that you can access.

Please note that most of these will **NOT** work in the Practice Labs devices because of firewall policies that are currently enforced in the lab network.

The next step will illustrate a proxy site allowed in this lab.



PLABWIN10 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=2&width=1024&height=768&login=true&token=pnjRTsAlbG3LMUxbMTyhj8ry7Ks3U2qJSU1OssF0OhwP400bggbSi
https://www.hongkiat.com/blog/how-to-access-blocked-web-sites/
Menu
Search...
How To Access Blocked We...
Type here to search
ENG

scripts. I frequently used them to test geo-location ads or to check if DNS are properly propagated when I adjust their settings.

I've decided to bring this entry back from archive to front page after receiving tones of emails asking for alternative proxies. Instead of the previous 2 proxy websites, here's my personal collection on proxy websites. Full list after jump.

More related: 9 Alternative Ways To Access Blocked Sites

90+ Proxy Websites To Access Blocked Websites

1. http://www.hidemyass.com
2. http://www.anonymizer.com
3. http://www.wujie.net
4. http://www.ultrareach.net
5. http://surfshield.net
6. http://www.guardster.com/subscription/proxy_free.php
7. http://anonymouse.ws/anonwww.html
8. http://www.browser-x.com
9. http://www.spysurfing.com
10. http://www.xerohour.org/hideme
11. http://www.proxyz.be
12. http://www.sc0rian.com/prox
13. https://www.proxify.us
14. http://kproxy.com/index.jsp
15. http://www.brawl-hall.com/pages/proxy.php
16. http://www.proxify.net
17. http://proxy.computersteroids.com/index0.php
18. http://www.unipeak.com
19. http://flyproxy.com
20. http://alienproxy.com
21. http://proxify.com/
22. http://www.unfilter.net
23. http://www.proxymouse.com
24. http://www.surfonym.com/cgi-bin/nph-proxy
25. http://www.superproxy.be/browse.pl
26. http://www.websiteguru.com/mrnewguy

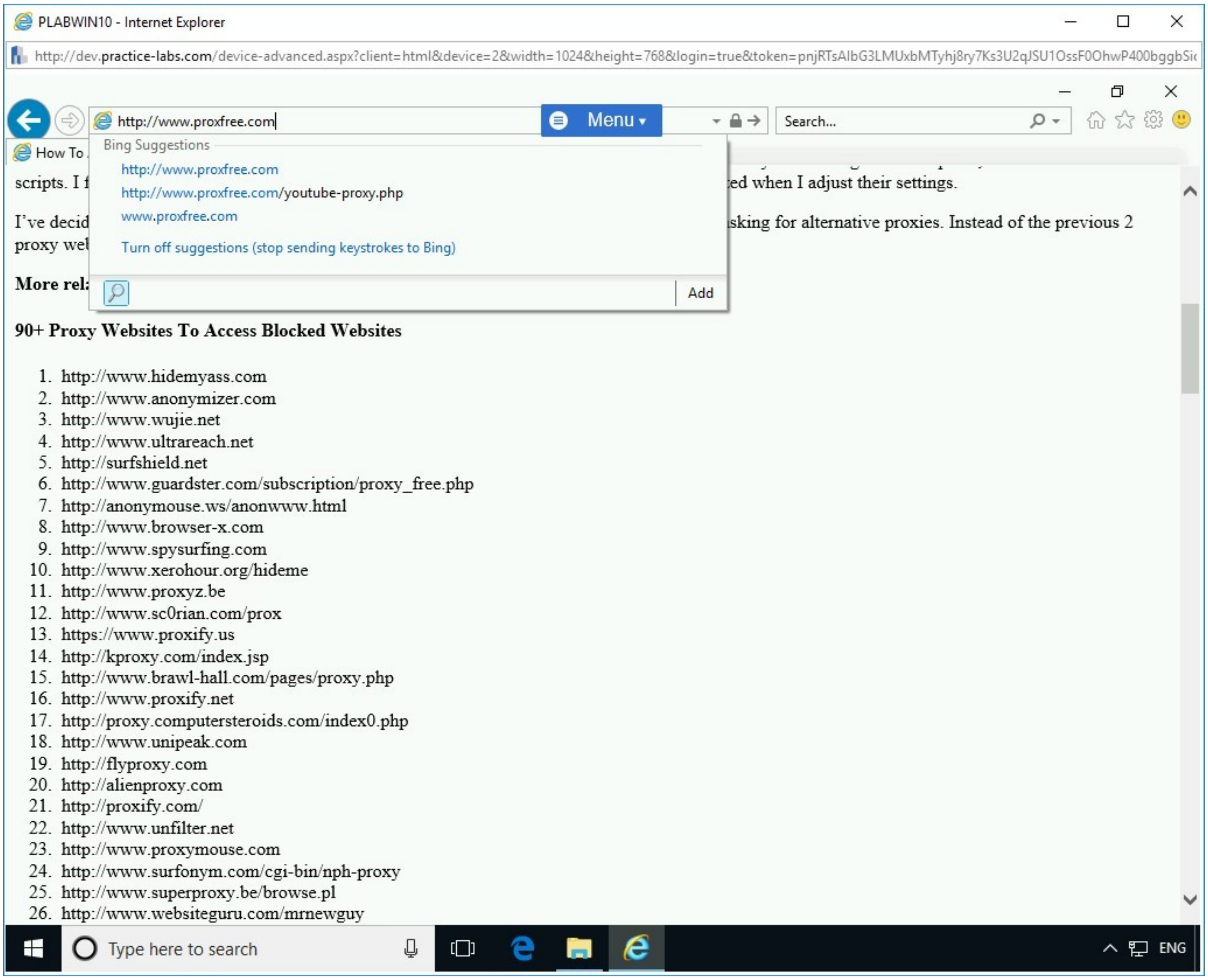
Figure 2.3 Screenshot of PLABWIN10: Showing a list of anonymous proxies.

Step 3

On **Internet Explorer's** address bar, enter the following URL:

```
https://www.proxfree.com
```

Press **Enter**.


PLABWIN10 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=2&width=1024&height=768&login=true&token=pnjRTsAlbG3LMUxbMTyhj8ry7Ks3U2qJSU1OssF0OhwP400bggbSi
http://www.proxfree.com
Menu ▾
Search...
How To
Bing Suggestions
http://www.proxfree.com
http://www.proxfree.com/youtube-proxy.php
www.proxfree.com
Turn off suggestions (stop sending keystrokes to Bing)
Add
Type here to search
ENG

scripts. I f ... ed when I adjust their settings.

I've decid ... sking for alternative proxies. Instead of the previous 2 proxy wel

More rel:

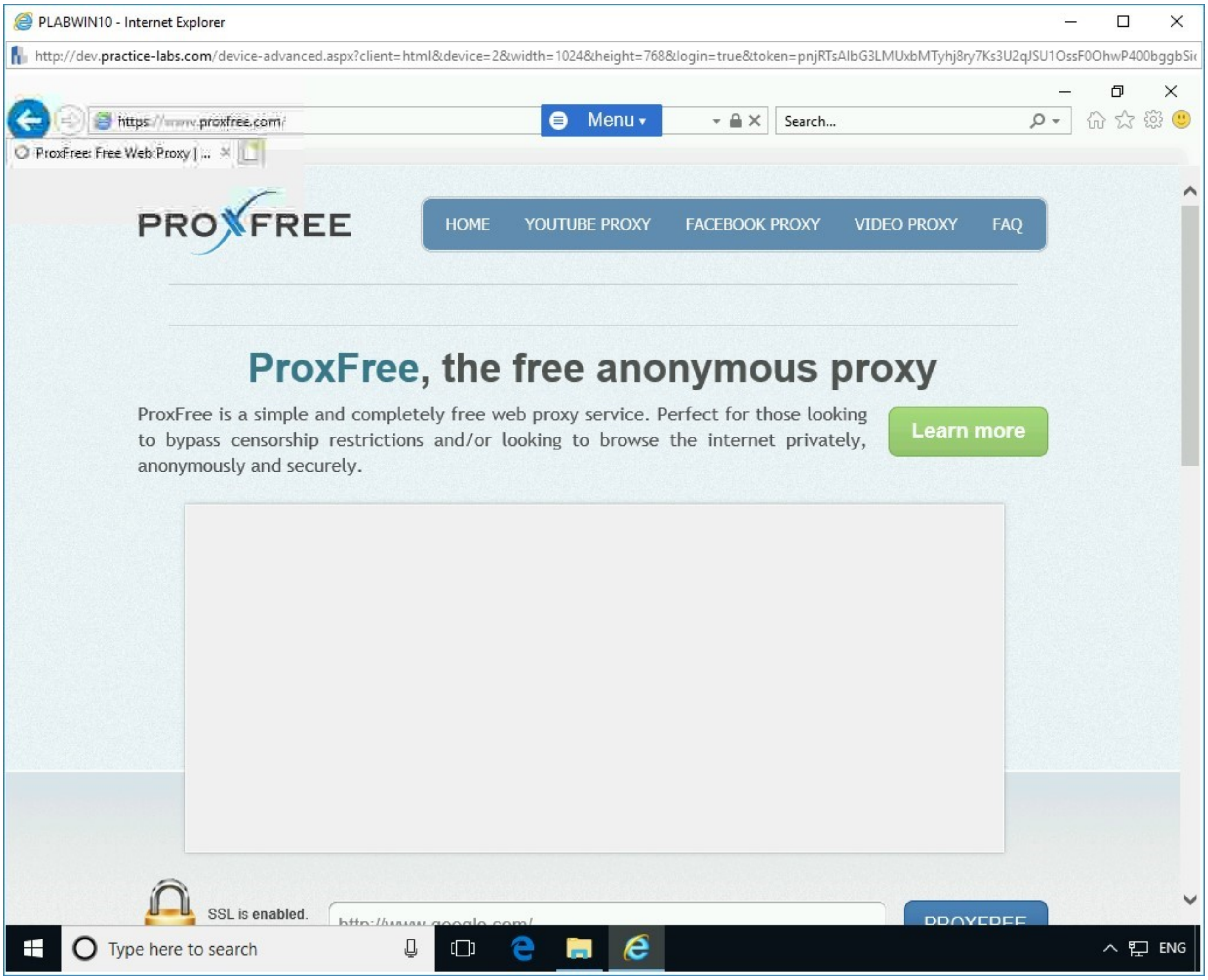
90+ Proxy Websites To Access Blocked Websites

1. http://www.hidemyass.com
2. http://www.anonymizer.com
3. http://www.wujie.net
4. http://www.ultrareach.net
5. http://surfshield.net
6. http://www.guardster.com/subscription/proxy_free.php
7. http://anonymouse.ws/anonwww.html
8. http://www.browser-x.com
9. http://www.spysurfing.com
10. http://www.xerohour.org/hideme
11. http://www.proxyz.be
12. http://www.sc0rian.com/prox
13. https://www.proxify.us
14. http://kproxy.com/index.jsp
15. http://www.brawl-hall.com/pages/proxy.php
16. http://www.proxify.net
17. http://proxy.computersteroids.com/index0.php
18. http://www.unipeak.com
19. http://flyproxy.com
20. http://alienproxy.com
21. http://proxify.com/
22. http://www.unfilter.net
23. http://www.proxymouse.com
24. http://www.surfonym.com/cgi-bin/nph-proxy
25. http://www.superproxy.be/browse.pl
26. http://www.websiteguru.com/mrnewguy

Figure 2.4 Screenshot of PLABWIN10: Entering the URL in the address bar of Internet Explorer.

Step 4

The proxfree.com Website is now displayed.


PLABWIN10 - Internet Explorer
http://dev.practice-labs.com/device-advanced.aspx?client=html&device=2&width=1024&height=768&login=true&token=pnjRTsAlbG3LMUxbMTyhj8ry7Ks3U2qJSU1OssF0OhwP400bggbSi
https://www.proxfree.com/
Menu
Search...
ProxFree: Free Web Proxy | ...
PROXFREE
HOME
YOUTUBE PROXY
FACEBOOK PROXY
VIDEO PROXY
FAQ
Learn more
SSL is enabled.
http://www.google.com/
PROXFREE
Type here to search
ENG

ProxFree, the free anonymous proxy

ProxFree is a simple and completely free web proxy service. Perfect for those looking to bypass censorship restrictions and/or looking to browse the internet privately, anonymously and securely.

Figure 2.5 Screenshot of PLABWIN10: Showing the ProxFree Website.

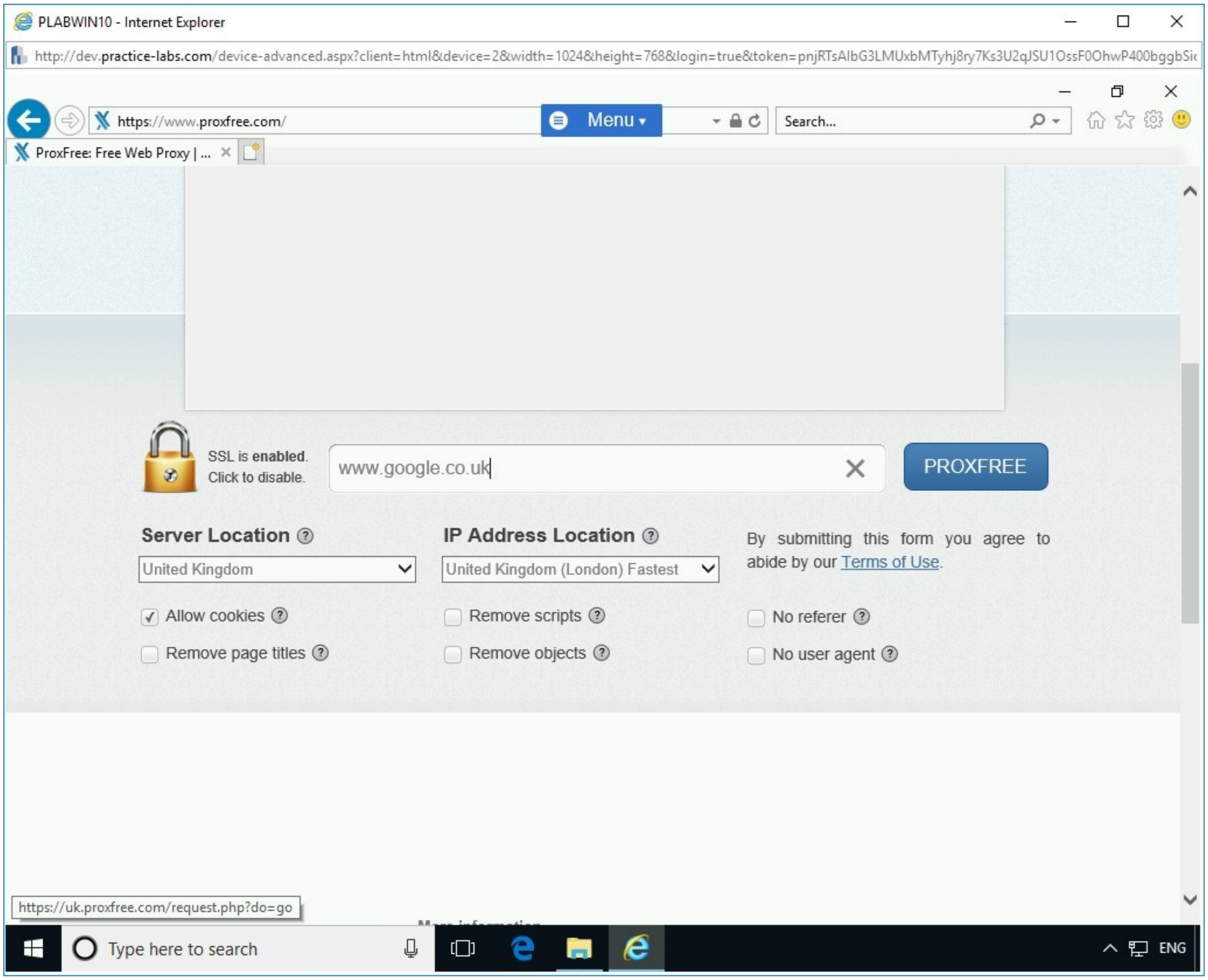
Step 5

Scroll down the web page and locate a text box where you can enter the **URL** that you want to visit.

In the URL textbox, enter:

```
www.google.co.uk
```

Click **PROXFREE**.



PLABWIN10 - Internet Explorer

http://dev.practice-labs.com/device-advanced.aspx?client=html&device=2&width=1024&height=768&login=true&token=pnjRTsAIbG3LMUxbMTyhj8ry7Ks3U2qJSU1OssF0OhwP400bggbSi

https://www.proxfree.com/

ProxFree: Free Web Proxy | ...

SSL is enabled. Click to disable.

www.google.co.uk

PROXFREE

Server Location: United Kingdom

IP Address Location: United Kingdom (London) Fastest

By submitting this form you agree to abide by our Terms of Use.

☑ Allow cookies

□ Remove page titles

□ Remove scripts

□ Remove objects

□ No referer

□ No user agent

https://uk.proxfree.com/request.php?do=go

Figure 2.6 Screenshot of PLABWIN10: Entering the URL in the textbox and clicking PROXFREE.

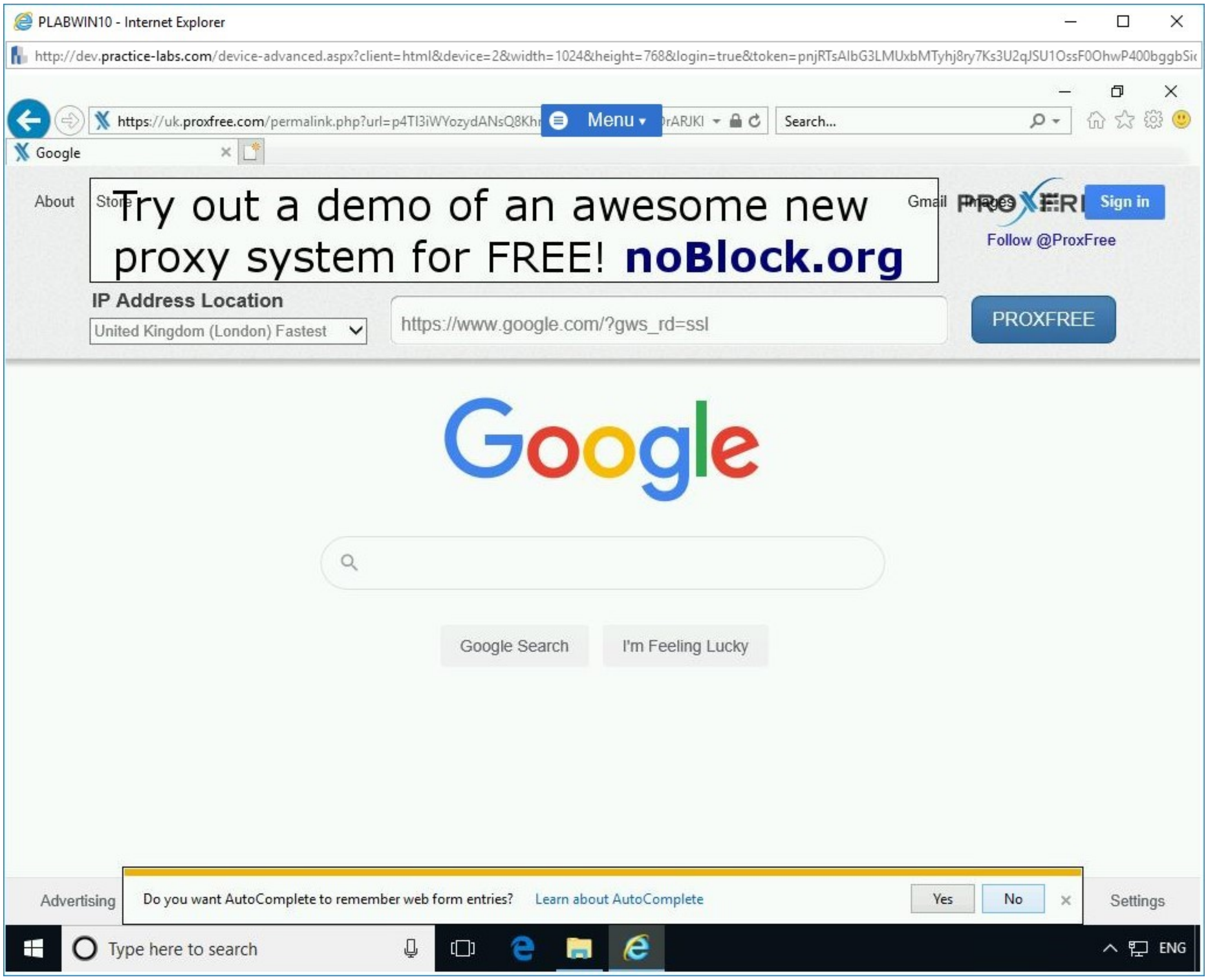
Step 6

The **google.co.uk** Webpage is displayed.

Notice the address bar of Internet Explorer indicates that you are using **proxfree** to visit this search engine website.

Note that address in the Internet Explorer address bar.

The **proxfree** Website has converted the real URL of www.google.co.uk.



http://dev.practice-labs.com/device-advanced.aspx?client=html&device=2&width=1024&height=768&login=true&token=pnjRTsAlbG3LMUxbMTyhj8ry7Ks3U2qJSU1OssF0OhwP400bggbSi

https://uk.proxfree.com/permalink.php?url=p4TI3iWYozydANsQ8Kh

Try out a demo of an awesome new proxy system for FREE! **noBlock.org**

IP Address Location: United Kingdom (London) Fastest

https://www.google.com/?gws_rd=ssl

Do you want AutoComplete to remember web form entries?

Figure 2.7 Screenshot of PLABWIN10: Showing the loaded Website within the Proxfree Website and clicking No on the notification bar.

Click **No** on the notification bar.

Review

Well done, you have completed the **Evading Firewalls** Practice Lab.

Summary

You completed the following exercises:

- Exercise 1 - Install and Configure ZoneAlarm Firewall

- Exercise 2 - Using Anonymous Proxy Sites

You should now be able to:

- Download and install ZoneAlarm Free Firewall
- Verify ZoneAlarm Installation
- Manage ZoneAlarm Settings
- Configure ZoneAlarm to use a Proxy Server
- Update the ZoneAlarm Definitions and Perform a Quick Scan
- Work with ZoneAlarm Logs
- Bypass Blocked Sites Using Anonymous Website Surfing Sites

Feedback

Shutdown all virtual machines used in this lab. Alternatively, you can log out of the lab platform.