



ESUN Hackathon environment 玉山黑客松參賽隊伍環境說明

微軟資深解決方案經理
唐廉智 Ken Tang

Agenda

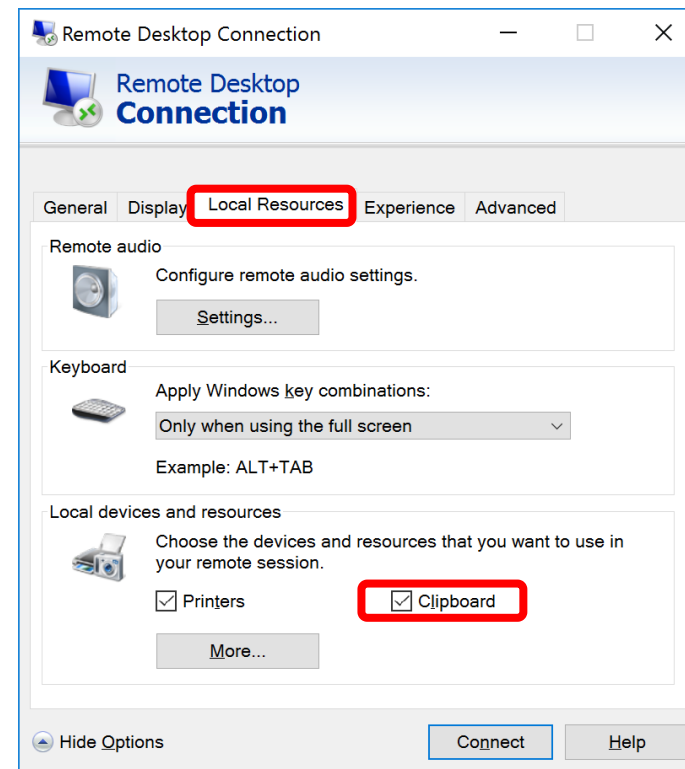
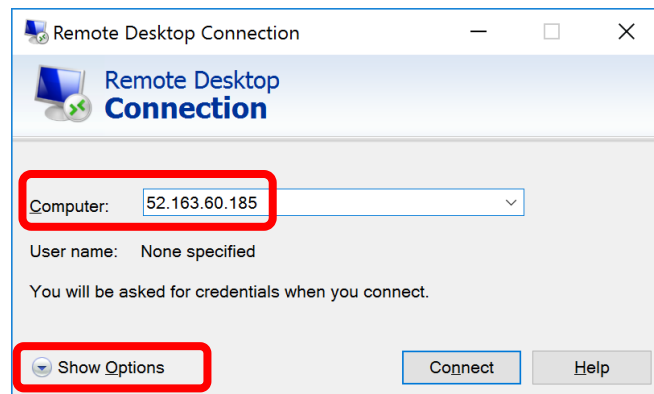
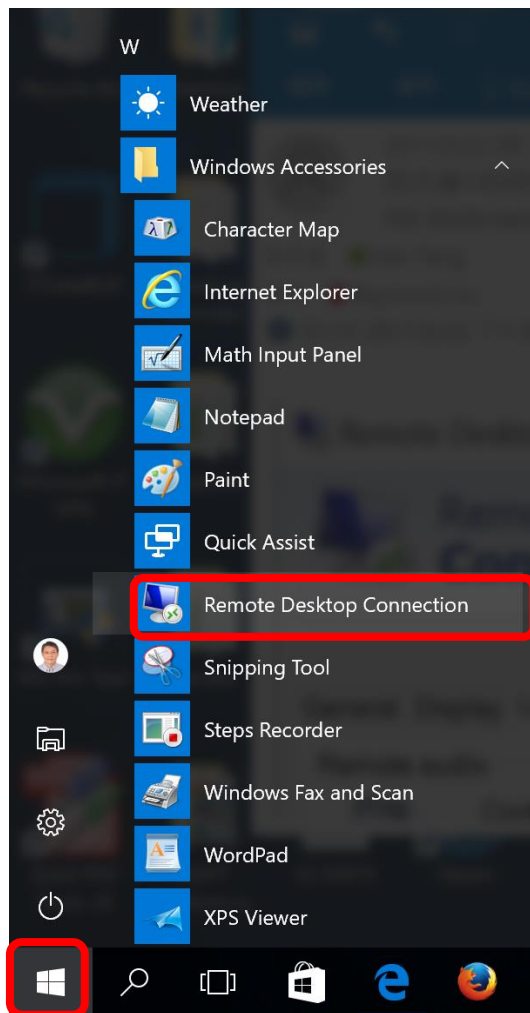
- VM登入及設定
- 開發工具建議
- 重要時間點
- VM IE 設定
- VM PsPing

VM登入及設定

可以使用Remote Desktop Connection連線到該台VM

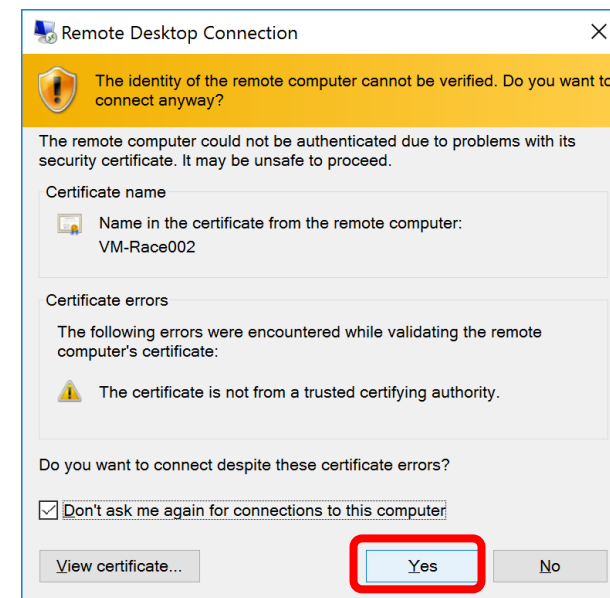
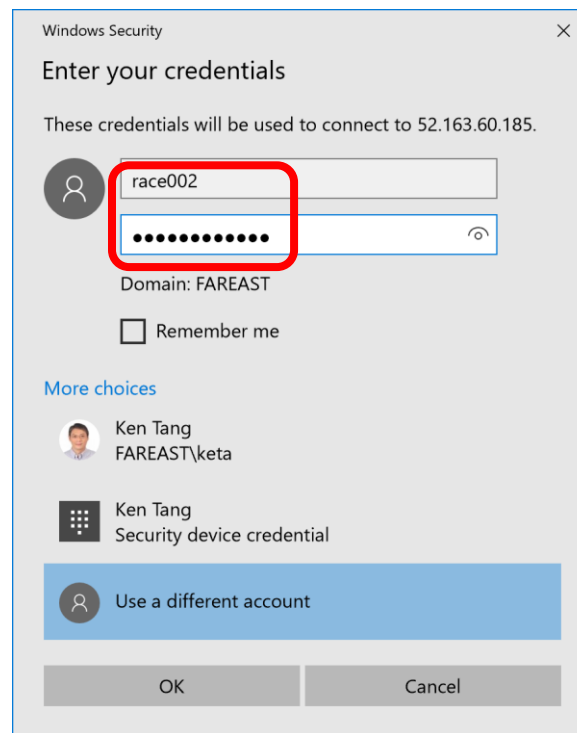
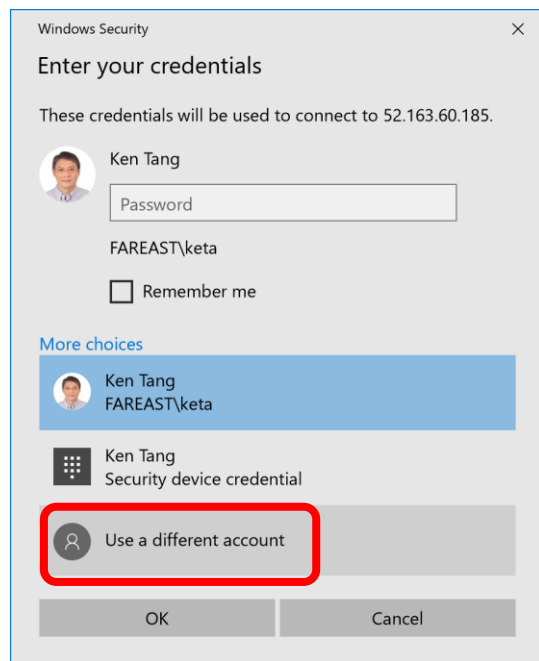
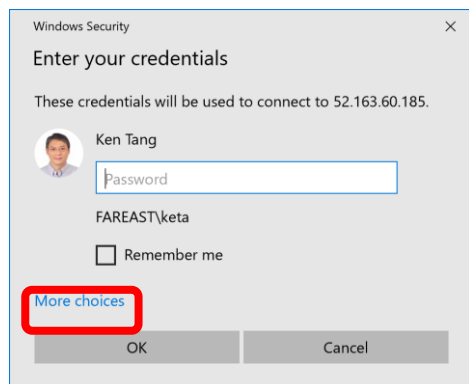
玉山黑客松報名團隊發送IP address/username(Race001~120)/password(12碼)給予參賽隊伍

- Azure A2 (2 cores, 3.5G, 60G)
- C: 系統槽 60G, D: 暫存槽, E: 光碟片, F: SSD 100G
- 檔案直接用筆記本就可以跟local的檔案進行交換
(記得勾選Clipboard選項)

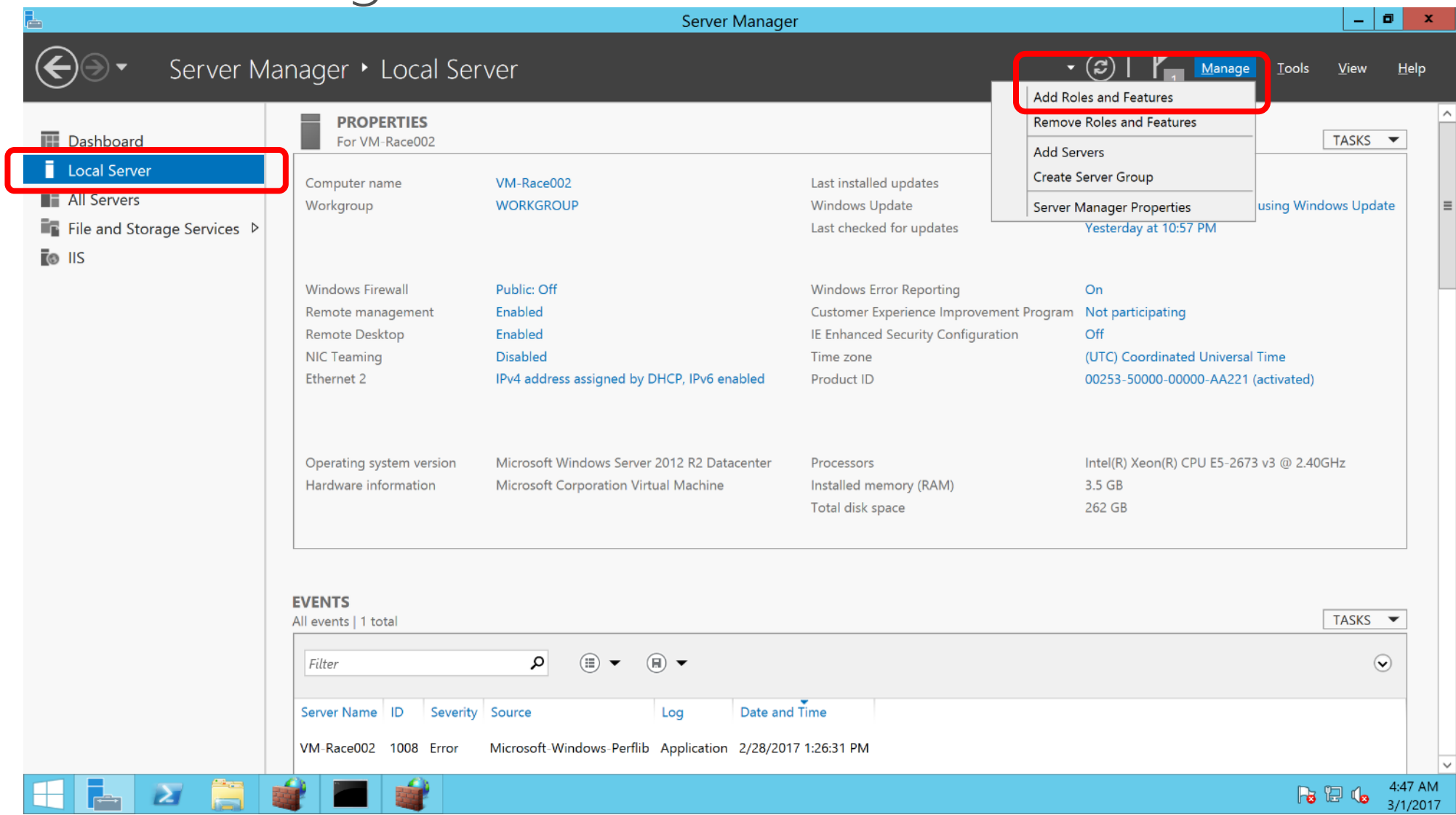


登入VM

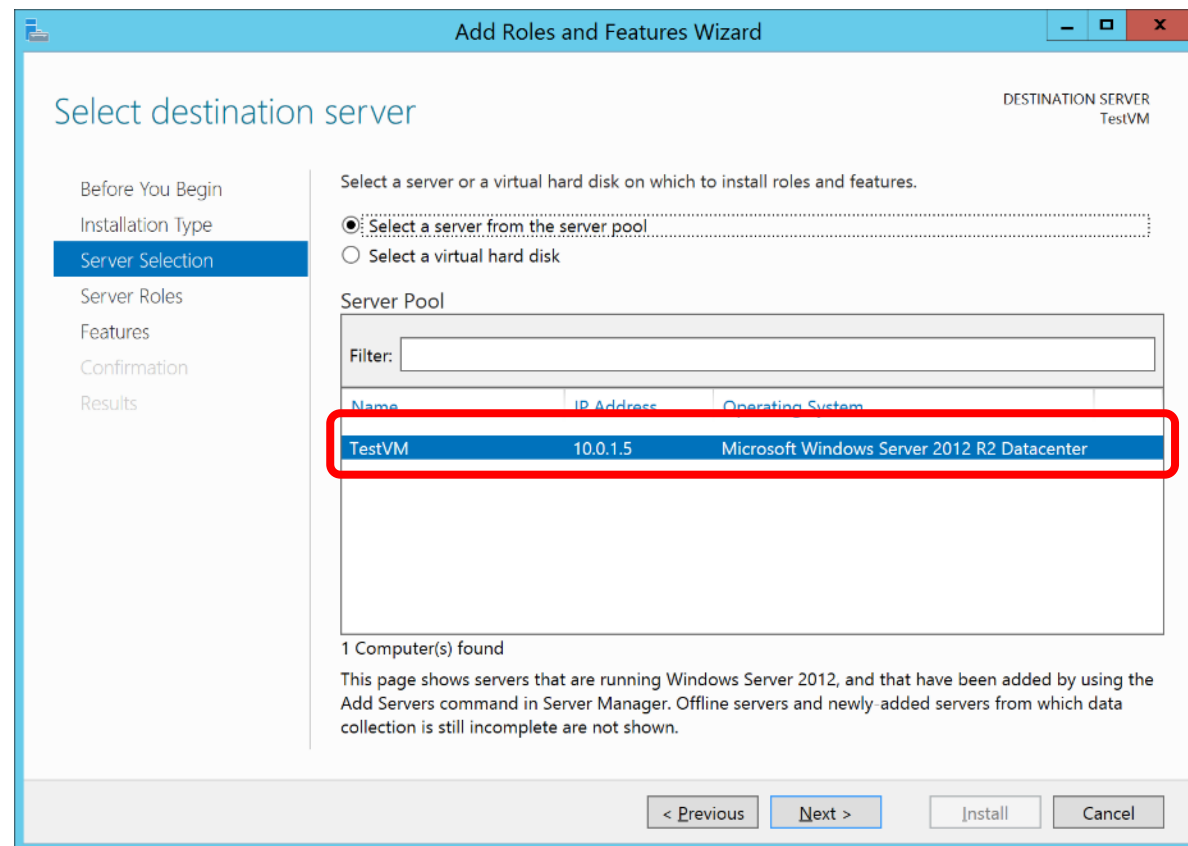
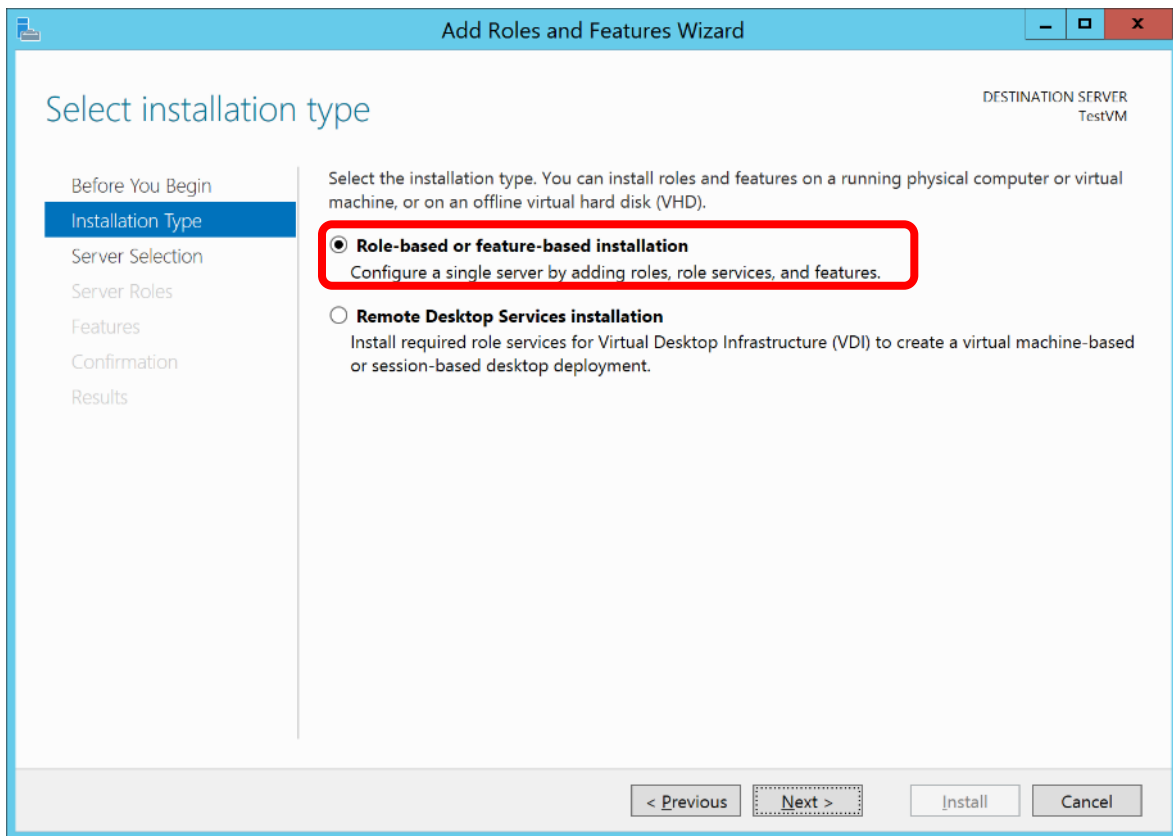
使用主辦單位給予的username(Race001~120)/password(12碼)登入



打開Server Manager，安裝IIS



選擇Role-based or feature-based installation 及選擇本機





Add Roles and Features Wizard



Select features

DESTINATION SERVER
esuntestvm01

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Web Server Role (IIS)

Role Services

Confirmation

Results

Select one or more features to install on the selected server.

Features

<input type="checkbox"/>	.NET Framework 3.5 Features
<input checked="" type="checkbox"/>	.NET Framework 4.5 Features (2 of 7 installed)
<input checked="" type="checkbox"/>	.NET Framework 4.5 (Installed)
<input type="checkbox"/>	ASP.NET 4.5
<input checked="" type="checkbox"/>	WCF Services (1 of 5 installed)
<input type="checkbox"/>	Background Intelligent Transfer Service (BITS)
<input checked="" type="checkbox"/>	BitLocker Drive Encryption (Installed)
<input type="checkbox"/>	BitLocker Network Unlock
<input type="checkbox"/>	BranchCache
<input type="checkbox"/>	Client for NFS
<input type="checkbox"/>	Data Center Bridging
<input type="checkbox"/>	Direct Play
<input checked="" type="checkbox"/>	Enhanced Storage (Installed)
<input type="checkbox"/>	Failover Clustering

Description

.NET Framework 4.5 provides a comprehensive and consistent programming model for quickly and easily building and running applications that are built for various platforms including desktop PCs, Servers, smart phones and the public and private cloud.

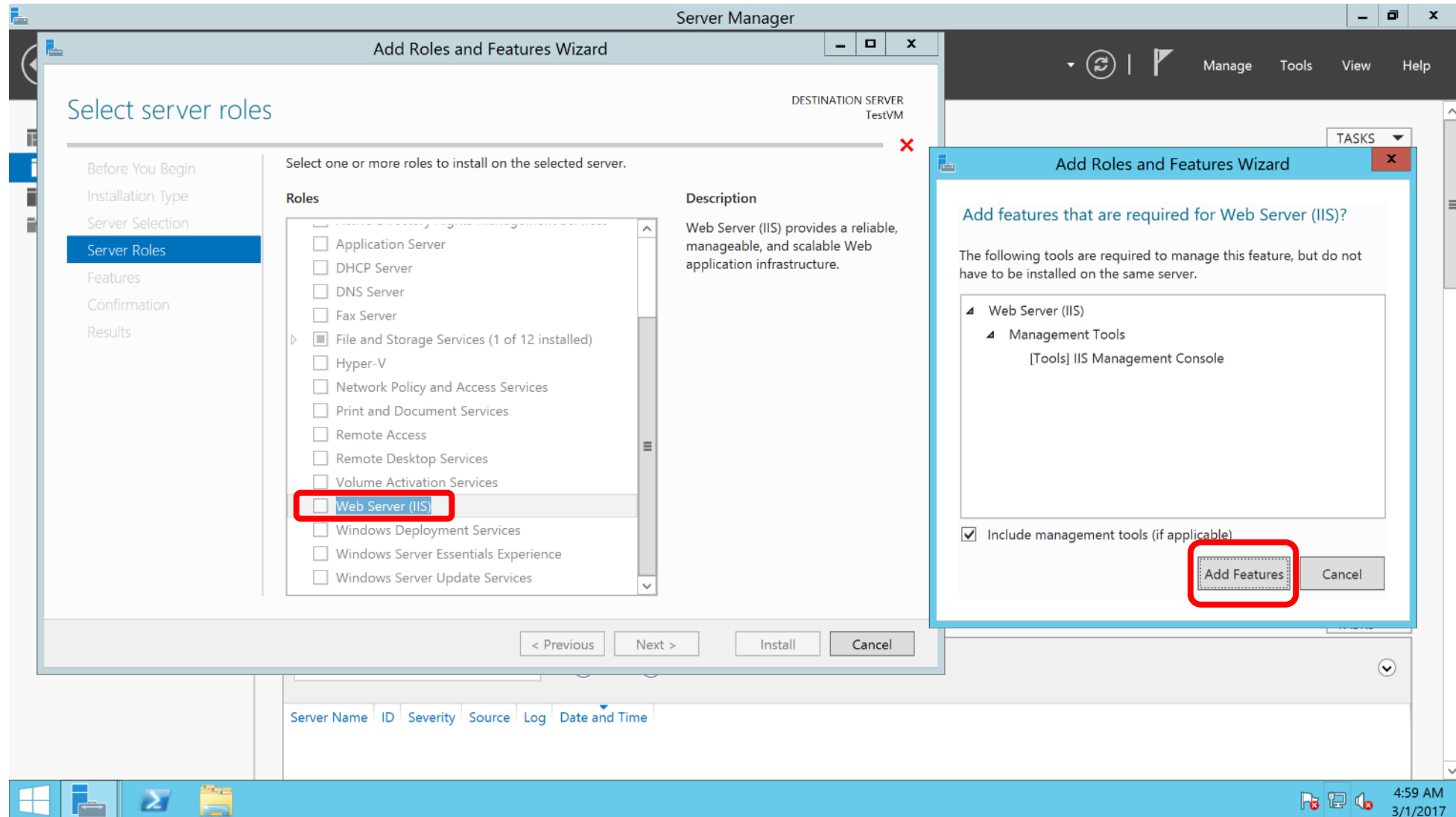
< Previous

Next >

Install

Cancel

選擇Web Server IIS，Add Features





Add Roles and Features Wizard



Web Server Role (IIS)

DESTINATION SERVER
esuntestvm01

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Web Server Role (IIS)

Role Services

Confirmation

Results

Web servers are computers that let you share information over the Internet, or through intranets and extranets. The Web Server role includes Internet Information Services (IIS) 8.5 with enhanced security, diagnostic and administration, a unified Web platform that integrates IIS 8.5, ASP.NET, and Windows Communication Foundation.

Things to note:

- Using Windows System Resource Manager (WSRM) can help ensure equitable servicing of Web server traffic, especially when there are multiple roles on this computer.
- The default installation for the Web Server (IIS) role includes the installation of role services that enable you to serve static content, make minor customizations (such as default documents and HTTP errors), monitor and log server activity, and configure static content compression.

[More information about Web Server IIS](#)

< Previous

Next >

Install

Cancel



Select role services

DESTINATION SERVER
esuntestvm01

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Web Server Role (IIS)

Role Services

Confirmation

Results

Select the role services to install for Web Server (IIS)

Role services

<input checked="" type="checkbox"/>	Web Server
<input checked="" type="checkbox"/>	Common HTTP Features
<input checked="" type="checkbox"/>	Default Document
<input checked="" type="checkbox"/>	Directory Browsing
<input checked="" type="checkbox"/>	HTTP Errors
<input checked="" type="checkbox"/>	Static Content
<input type="checkbox"/>	HTTP Redirection
<input type="checkbox"/>	WebDAV Publishing
<input checked="" type="checkbox"/>	Health and Diagnostics
<input checked="" type="checkbox"/>	HTTP Logging
<input type="checkbox"/>	Custom Logging
<input type="checkbox"/>	Logging Tools
<input type="checkbox"/>	ODBC Logging
<input type="checkbox"/>	Request Monitor

Description

Web Server provides support for HTML Web sites and optional support for ASP.NET, ASP, and Web server extensions. You can use the Web Server to host an internal or external Web site or to provide an environment for developers to create Web-based applications.

< Previous

Next >

Install

Cancel

Ready to Go

Add Roles and Features Wizard

Confirm installation selections

DESTINATION SERVER
esuntestvm01

Before You Begin
Installation Type
Server Selection
Server Roles
Features
Web Server Role (IIS)
Role Services
Confirmation
Results

To install the following roles, role services, or features on selected server, click Install.

☐ Restart the destination server automatically if required

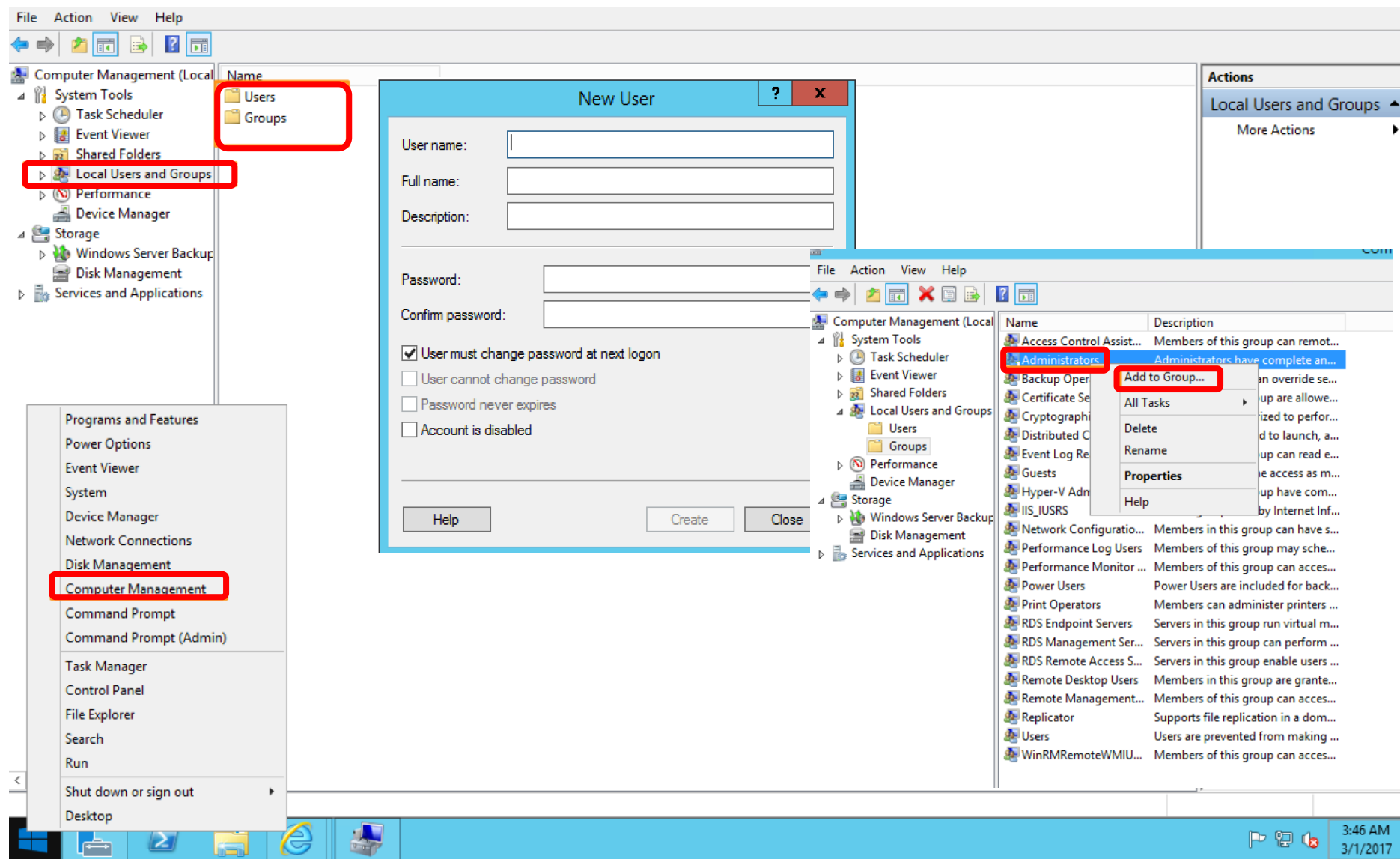
Optional features (such as administration tools) might be displayed on this page because they have been selected automatically. If you do not want to install these optional features, click Previous to clear their check boxes.

Web Server (IIS)
Management Tools
IIS Management Console
Web Server
Common HTTP Features
Default Document
Directory Browsing
HTTP Errors
Static Content
Health and Diagnostics

Export configuration settings
Specify an alternate source path

< Previous Next > **Install** Cancel

帳號管理



開發工具建議

Visual Studio 開發環境安裝

Visual Studio Community

免費、功能完整的 IDE，適用於學生、開放原始碼及個人開發人員

<https://www.visualstudio.com/zh-hant/vs/>

感謝您下載 Visual Studio

如果未開始下載，請[按一下這裡重試](#)



開始使用

尋找能幫助您編碼的教學課程、範例及文件。

[深入了解](#)



學習編碼

5 分鐘內即建置您的第一個 C++ Hello World 專案。

[立即開始使用](#)



立即開始共同作業

開啟 Team Services 帳戶，即可與小組一起規劃專案以及建置解決方案

[註冊](#)

重要時間點

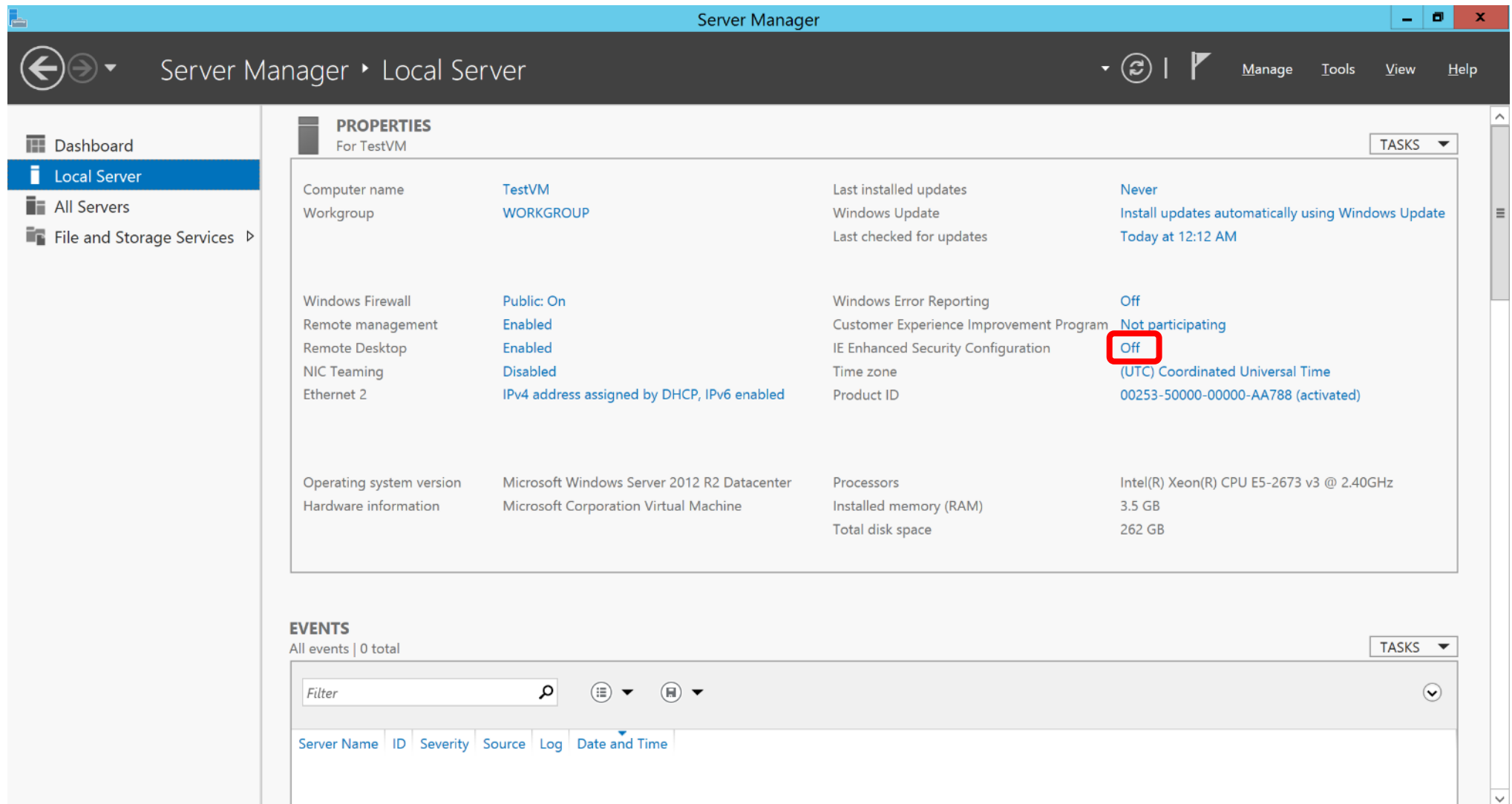
黑客松環境啟用及維護時間點



- 3/13(一) 報名截止
- 3/14(二) 環境正式啟用
- 4/28(五) 初賽成績公佈後 6:00PM~12:00AM機器會重開加大
- 5/31(五) 資料刪除

VM IE 設定

Disable IE增強式安全設定



VM PsPing

可下載PsPing以驗證網路連結



Microsoft

TechNet

United States (English) Sign in

Windows Sysinternals

Search TechNet with Bing



Home

Learn

Downloads

Community

Windows Sysinternals > Downloads > Process Utilities > PsPing

Utilities

- [Sysinternals Suite](#)
- [Utilities Index](#)

- [File and Disk Utilities](#)
- [Networking Utilities](#)
- [Process Utilities](#)
- [Security Utilities](#)
- [System Information Utilities](#)
- [Miscellaneous Utilities](#)

Additional Resources

- [Forum](#)
- [Site Blog](#)
- [Sysinternals Learning](#)
- [Mark's Webcasts](#)

PsPing v2.01

By Mark Russinovich

Published: January 29, 2014



[Download PsTools](#) (1,644 KB)

Rate: ★★★★★

Introduction

PsPing implements Ping functionality, TCP ping, latency and bandwidth measurement. Use the following command-line options to show the usage for each test type:

Installation

Copy *PsPing* onto your executable path. Typing "psping" displays its usage syntax.

Using PsPing

PsPing implements Ping functionality, TCP ping, latency and bandwidth measurement. Use the following command-line options to show the usage for each test type:

Download



[Download PsTools](#)

(1,644 KB)

PsTools

PsPing is part of a growing kit of Sysinternals command-line tools that aid in the administration of local and remote systems named *PsTools*.

Runs on:

- Client: Windows Vista and higher.
- Server: Windows Server 2008 and higher.

