

南投區網中心暨國網中心107年 度資訊安全教育訓練

國立暨南國際大學

計網中心

楊文龍

cactiEZ 建置

- 利用VM VirtualBox 建立線上監控系統
- cactiEZ建置過程介紹
- 透過網頁方式登入啟動監控服務
- 網路交換器設定與介面流量監控服務
- 網路交換器設定與交換器日誌儲存
- Weathermap 設定

Console Graphs Syslog Thold Webmin FlowView **Monitor** Hmib Discover Weathermap Nectar

Monitoring

Logged in as **admin** (Logout)

Last Refresh : 8:52:58 am

									
10.48.1.231	10.48.1.232	10.48.1.233	10.48.1.234	10.48.1.235	10.48.1.236	10.48.1.237	10.48.1.238	10.48.1.239	10.48.1.240
									
10.48.1.241	10.48.1.242	10.49.1.231	10.49.1.232	10.49.1.233	10.49.1.234	10.49.1.235	10.49.1.236	10.49.1.237	10.49.1.238
									
10.49.1.239	10.49.1.240	10.49.1.241	10.49.1.242	10.49.1.243	10.49.1.244	10.50.1.231	10.50.1.232	10.50.1.233	10.50.1.234
									
10.50.1.235	10.50.1.236	10.50.1.237	10.50.1.238	10.51.1.231	10.51.1.232	10.51.1.233	10.51.1.234	10.51.1.235	10.51.1.236
									
10.51.1.237	10.51.1.238	10.52.1.231	10.52.1.232	10.52.1.233	10.52.1.234	10.52.1.235	10.52.1.236	10.52.1.252	Localhost

Cacti

Cacti

Cacti

+

← → ↻ 不安全 | 10.10.12.16/plugins/monitor/monitor.php ☆ 已暫停 ⓘ

Console Graphs Syslog Thold Webmin FlowView **Monitor** Hmib Discover Weathermap Nectar

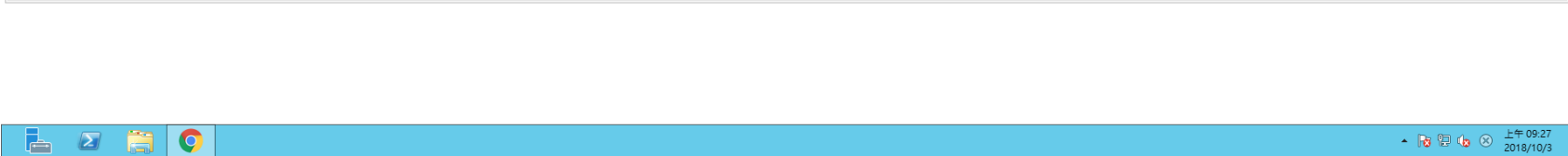
Monitoring Logged in as admin (Logout)

Last Refresh : 8:53:44 am

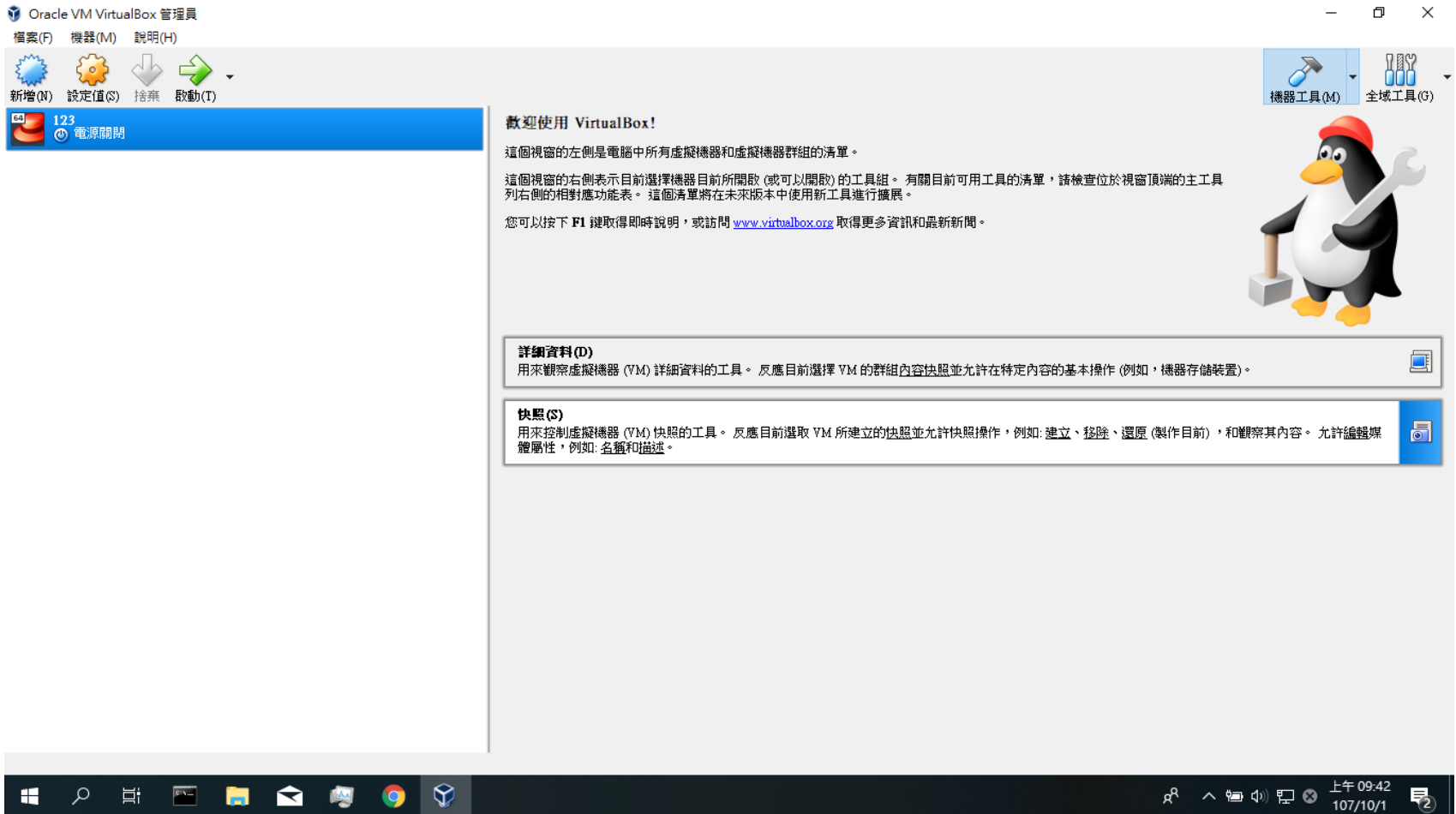
									
10.71.1.240	10.71.1.241	10.71.1.242	10.71.1.243	10.71.1.244	10.71.1.245	10.71.1.246	10.71.1.247	10.71.1.248	10.71.1.249
									
10.72.1.240	10.72.1.241	10.72.1.242	10.72.1.243	10.72.1.244	10.72.1.245	10.72.1.246	10.72.1.247	10.72.1.248	10.72.1.249
									
10.72.1.250	10.73.1.240	10.73.1.241	10.73.1.242	10.73.1.243	10.73.1.244	10.73.1.245	10.73.1.246	10.73.1.247	10.73.1.248
									
10.73.1.249	10.74.1.240	10.74.1.241	10.74.1.242	10.74.1.243	10.74.1.244	10.74.1.245	10.74.1.246	10.74.1.247	10.74.1.248
									
10.74.1.249	10.74.1.250	10.74.1.252	Localhost						

Last Refresh : 8:54:27 am

10.53.1.231	10.53.1.232	10.53.1.233	10.53.1.234	10.53.1.235	10.53.1.236	10.53.1.237	10.53.1.238	10.53.1.239	10.54.1.231	
10.54.1.232	10.54.1.233	10.54.1.234	10.54.1.235	10.54.1.236	10.54.1.237	10.54.1.238	10.54.1.239	10.54.1.240	10.55.1.231	
10.55.1.232	10.55.1.233	10.55.1.234	10.55.1.235	10.55.1.236	10.56.1.231	10.56.1.232	10.56.1.233	10.56.1.235	10.56.1.236	
10.56.1.237	10.56.1.238	10.56.1.239	10.56.1.240	10.57.1.231	10.57.1.232	10.57.1.234	10.57.1.235	10.57.1.236	10.57.1.237	
10.57.1.238	10.57.1.239	10.57.1.240	10.57.1.252	Localhost						



Virtual box





歡迎使用 VirtualBox!

這個視窗的左側是電腦中所有虛擬機器和虛擬機器群組的清單。

這個視窗的右側表示目前選擇機器目前所開啟 (或可以開啟) 的工具組。有關目前可用工具的清單, 請檢查位於視窗頂端的主工具列右側的機器工具 (M) 和全域工具 (G)。

您可以掛



和最新新聞。



← 建立虛擬機器

名稱和作業系統

請選擇新虛擬機器的描述性名稱, 並選取您打算在上面安裝的作業系統類型。VirtualBox 將使用整個選擇的名稱來識別此機器。

名稱(A):

類型(T):

版本(V):



專家模式(E) 下一步(N) 取消

容快照並允許在特定內容的基本操作 (例如, 機器存儲裝置)。



並允許快照操作, 例如: 建立、移除、還原 (製作目前), 和觀察其內容。允許編輯媒



歡迎使用 VirtualBox!

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您可以掛

?

×

← 建立虛擬機器

記憶體大小

選取配置到虛擬機器的記憶體量 (RAM), 單位 MB。

建議的記憶體大小為 1024 MB。

4 MB 1024 MB 4096 MB

下一步(N)

取消



容快照並允許在特定內容的基本操作 (例如, 機器存儲裝置)。

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您可以掛

和最新新聞。



詳細
用來

快照
用來

容快照並允許在特定內容的基本操作 (例如, 機器存儲裝置)。

並允許快照操作, 例如: 建立、移除、還原 (製作目前), 和觀察其內容。允許編輯媒

?
×

←

建立虛擬機器

硬碟

如果您希望能加入虛擬硬碟到新的機器。可以建立新的硬碟檔案或從清單選取一個或使用資料夾圖示選取另一個位置。

如果需要更多複雜存放裝置設定, 可以略過此步驟並在機器建立時進行變更機器設定。

建議硬碟的大小為 **8.00 GB**。

☐ 不加入虛擬硬碟(D)
☒ 立即建立虛擬硬碟(C)
☐ 使用現有虛擬硬碟檔案(U)

123.vdi (標準, 8.00 GB)

歡迎使用 VirtualBox!

這個視窗的左側是電腦中所有虛擬機器和虛擬機器群組的清單。

這個視窗的右側是當前選擇機器目前所關聯的成員清單。在當前可用工具的清單，請檢查位於視窗頂端的主工具列。

您可

← 建立虛擬硬碟

硬碟檔案類型

請選擇您希望新虛擬硬碟所使用的檔案類型。如果您不需要與其他虛擬化軟體使用，您可以保持此設定不變。

- ☒ VDI (VirtualBox 磁碟映像)
- ☐ VHD (虛擬硬碟)
- ☐ VMDK (虛擬機器磁碟)

專家模式(E)

下一步(N)

取消



照並允許在特定內容的基本操作 (例如，機器存儲裝置)。

許快照操作，例如：建立、移除、還原 (製作目前)，和觀察其內容。允許編輯媒



歡迎使用 VirtualBox!

這個視窗的左側是電腦中所有虛擬機器和虛擬機器群組的清單。

這個視窗的右側是當前選擇機器目前所安裝的客作業系統。在當前可用工具的清單，請檢查位於視窗頂端的主工具列。

您可

新新聞。



← 建立虛擬硬碟

實體硬碟中存放裝置

請選擇新虛擬硬碟檔案是否根據使用而成長 (動態配置) 或以最大大小建立 (固定大小)。

動態配置 硬碟檔案只使用實體硬碟的空間作為填滿 (直到最大的 **固定大小**)，雖然有可用空間也不會再次自動伸縮。

固定大小 硬碟檔案在某些系統需要花比較長的時間建立但通常用起來比較快。

☒ 動態配置(D)

☐ 固定大小(F)

下一步(N)

取消

照並允許在特定內容的基本操作 (例如，機器存儲裝置)。

許快照操作，例如：建立、移除、還原 (製作目前)，和觀察其內容。允許編輯媒

歡迎使用 VirtualBox!

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這個視窗的右側是當前選擇機器目前所安裝的客作業系統的可利用工具清單，請檢查位於視窗頂端的主工具列。

您可

← 建立虛擬硬碟

檔案位置和大小

請在以下方塊輸入新虛擬硬碟檔案的名稱或按一下資料夾圖示以選取建立檔案所在的不同資料夾。

cacthEz

選取虛擬硬碟的大小，單位 MB。此大小的限制是虛擬機器能存放在硬碟的檔案資料量。

4.00 MB 8.00 GB 2.00 TB

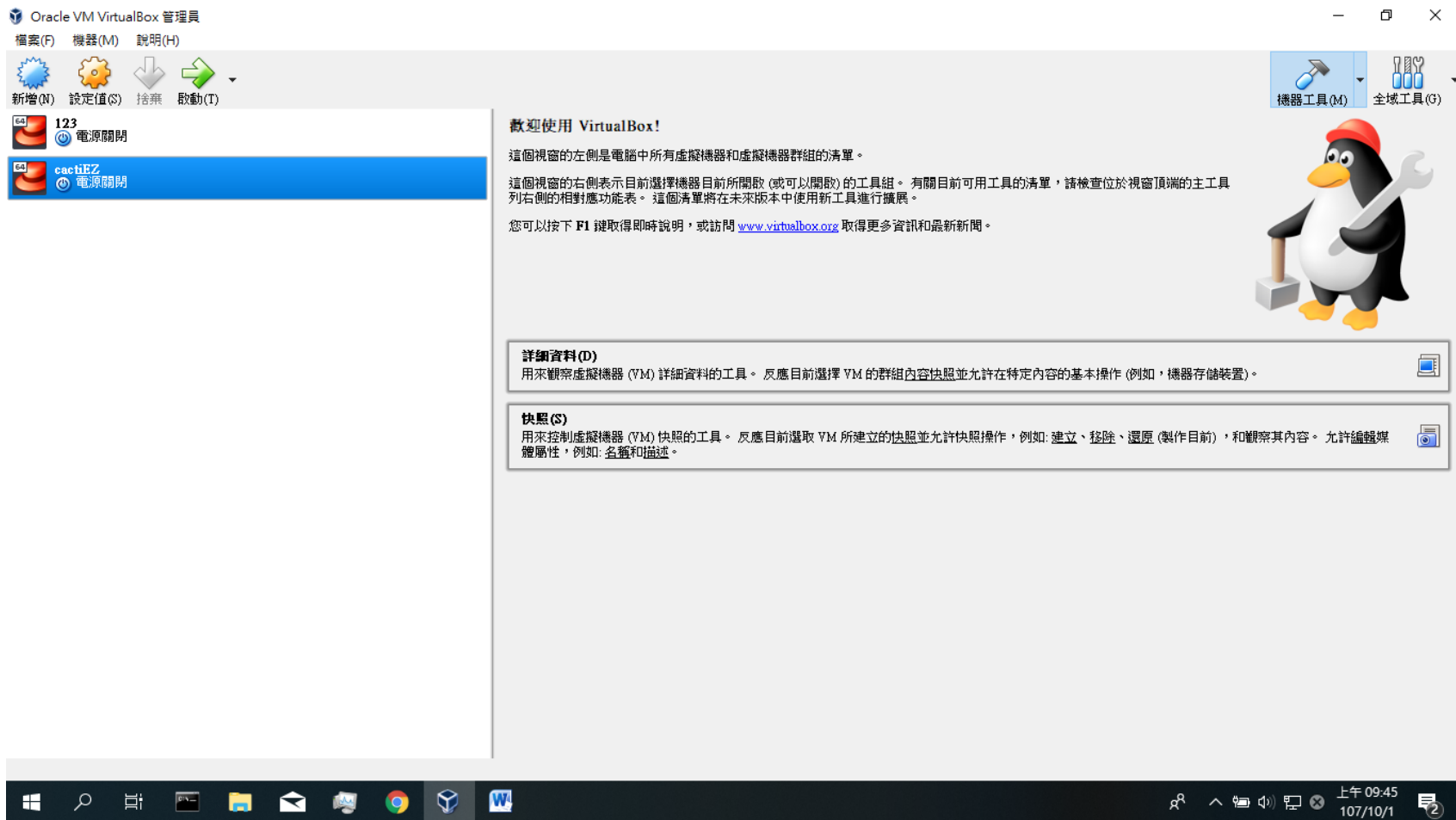
建立

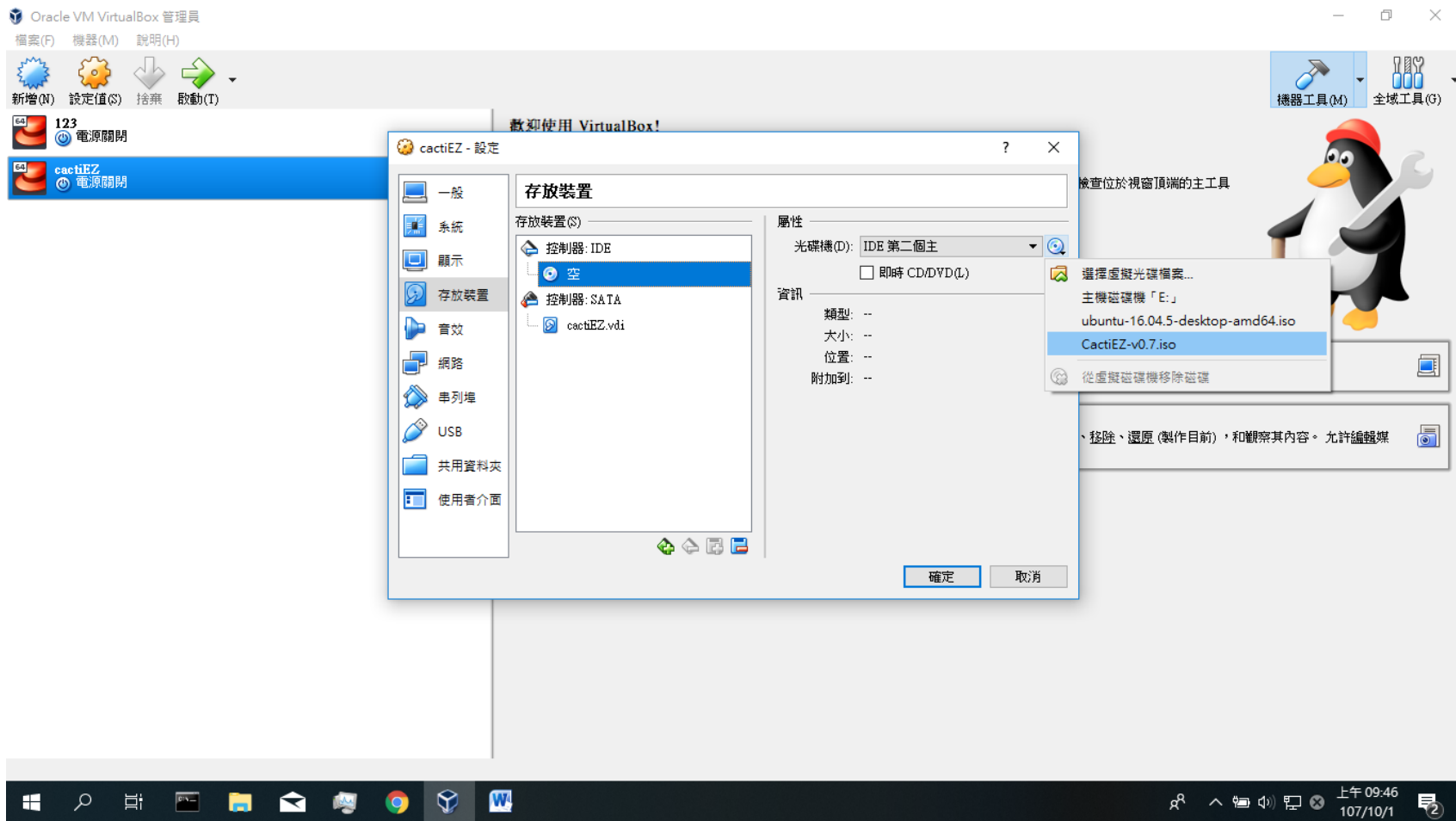
取消



照並允許在特定內容的基本操作 (例如，機器存儲裝置)。

許快照操作，例如：建立、移除、還原 (製作目前)，和觀察其內容。允許編輯媒



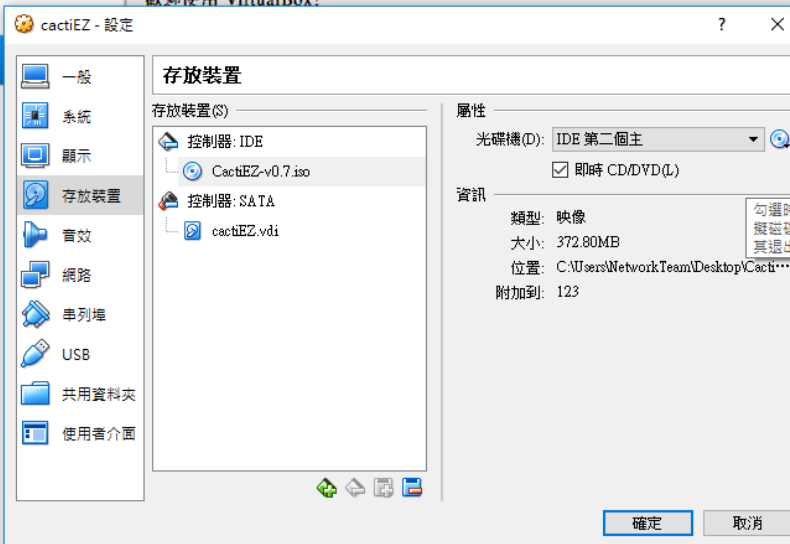




123
電源關閉

cactiEZ
電源關閉

歡迎使用 VirtualBox!

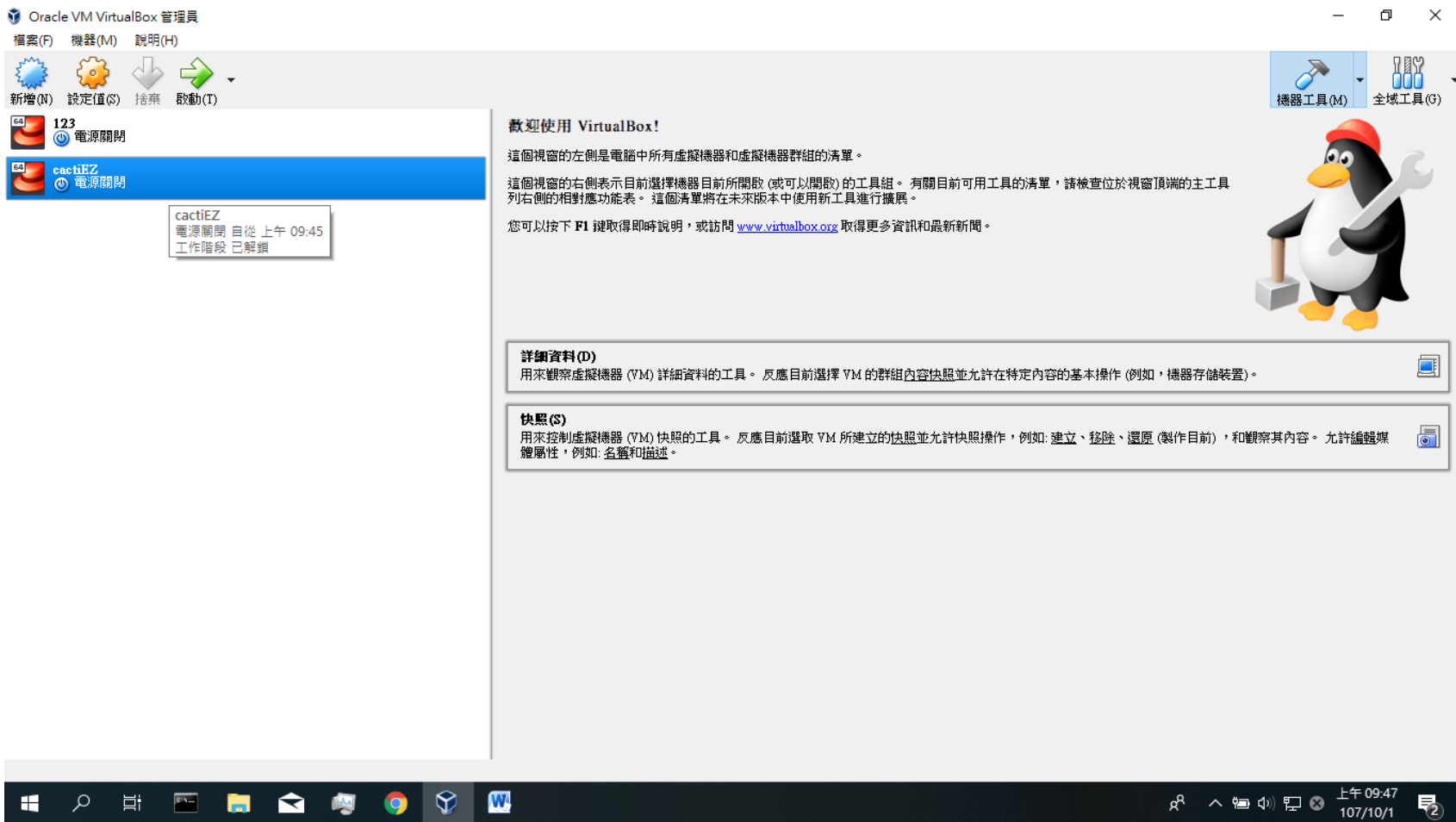


檢查位於視窗頂端的主工具



本操作 (例如，機器存儲裝置)。

、移除、還原 (製作目前)，和觀察其內容。允許編輯媒



Cacti* Made Easy

version 0.7
(64 Bit)

Cacti Automated Installation CD

- To install press the <ENTER> key.
- Use the function keys listed below for more information.

warning: This CD will erase all current partitions

Cacti created by The Cacti Group - <http://cacti.net>
This CD provided by Jimmy Conner - <http://cactiusers.org>

[F1-Main] [F2-Options] [F3-General] [F4-Kernel] [F5-Rescue] [F6-Details]
boot: _

Welcome to CentOS for x86_64

Configure TCP/IP

☒ Enable IPv4 support

☒ Dynamic IP configuration (DHCP)

☐ Manual configuration

☐ Enable IPv6 support

☒ Automatic neighbor discovery

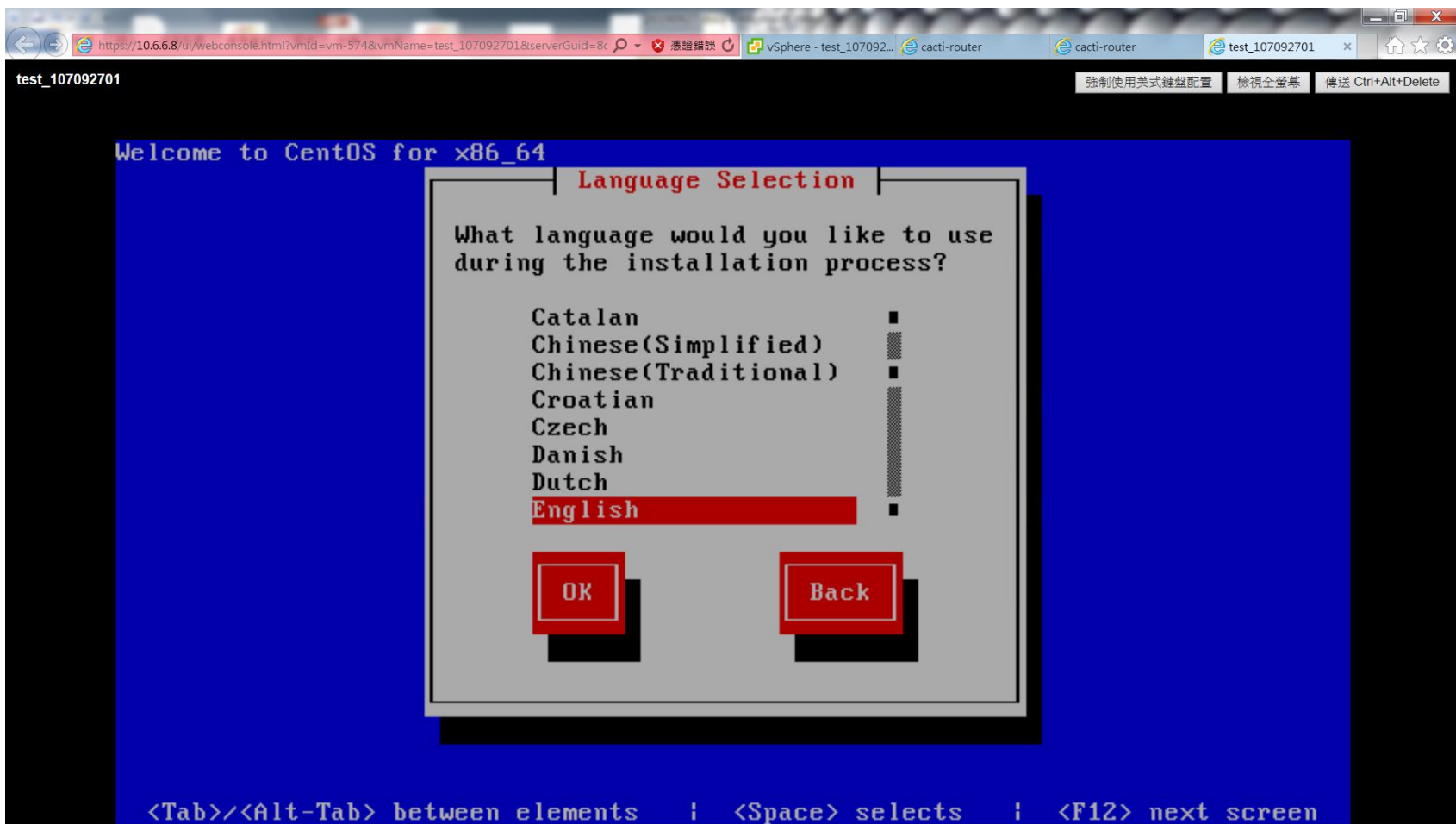
☐ Dynamic IP configuration (DHCPv6)

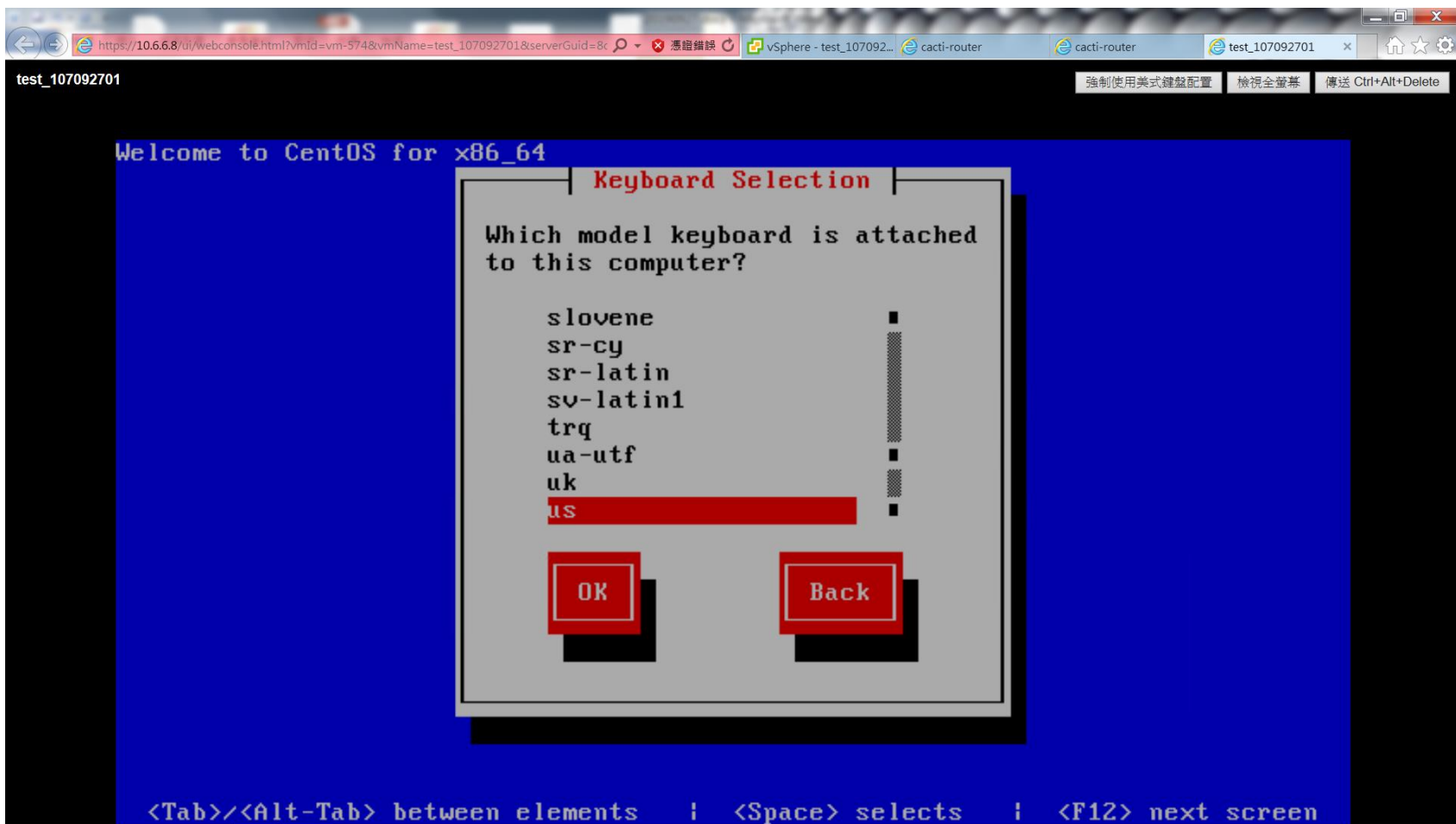
☐ Manual configuration

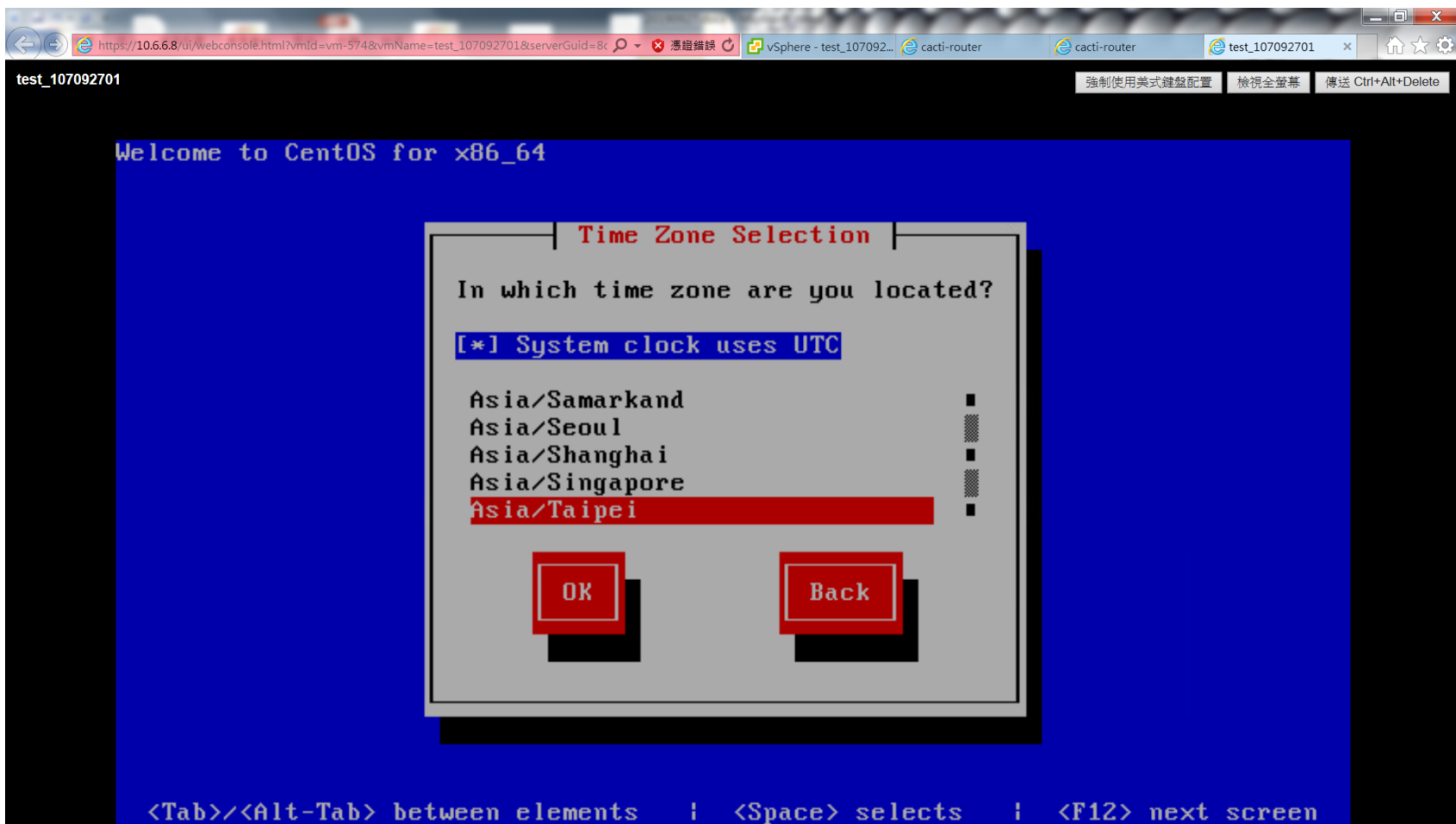
OK

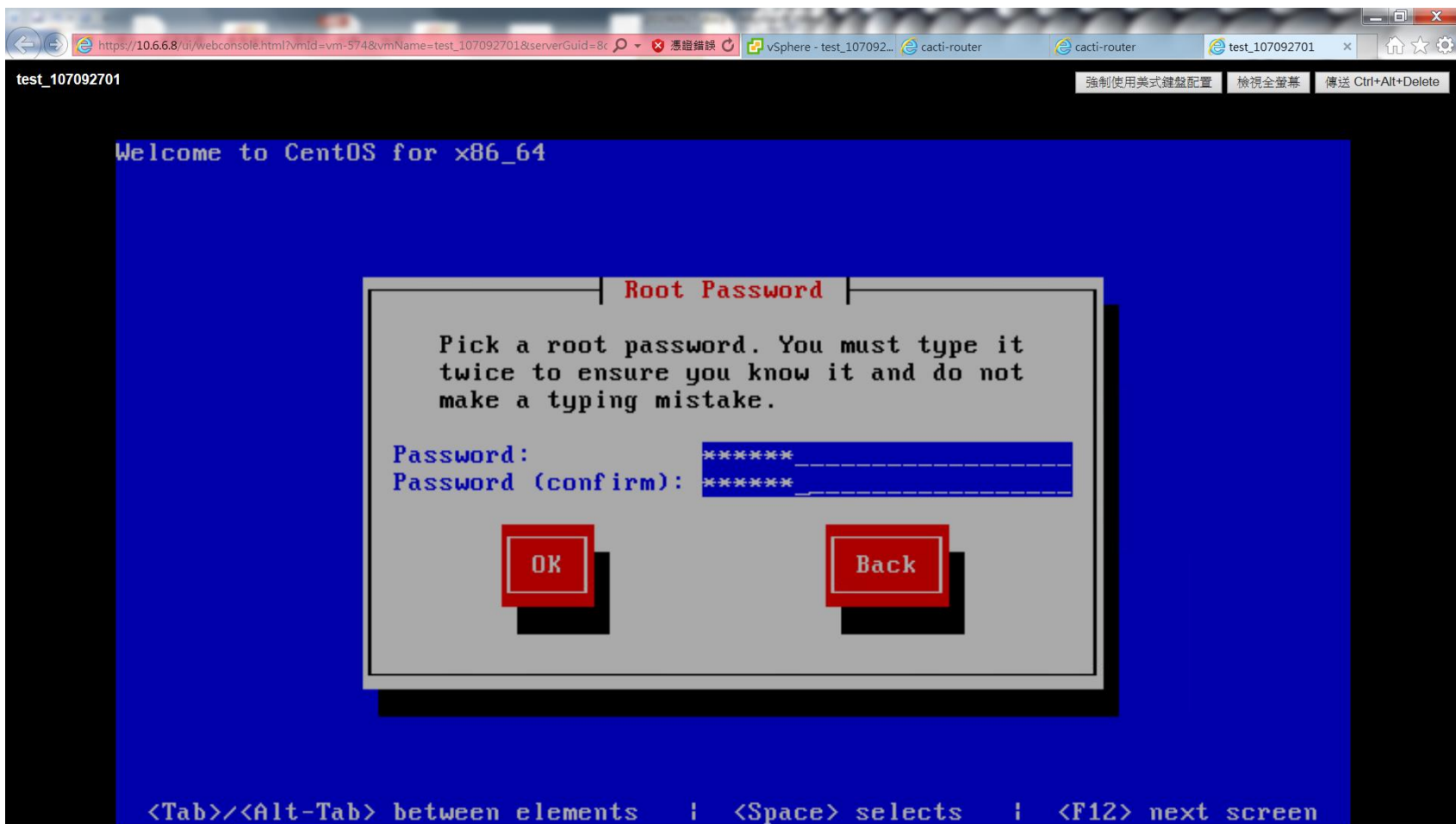
Back

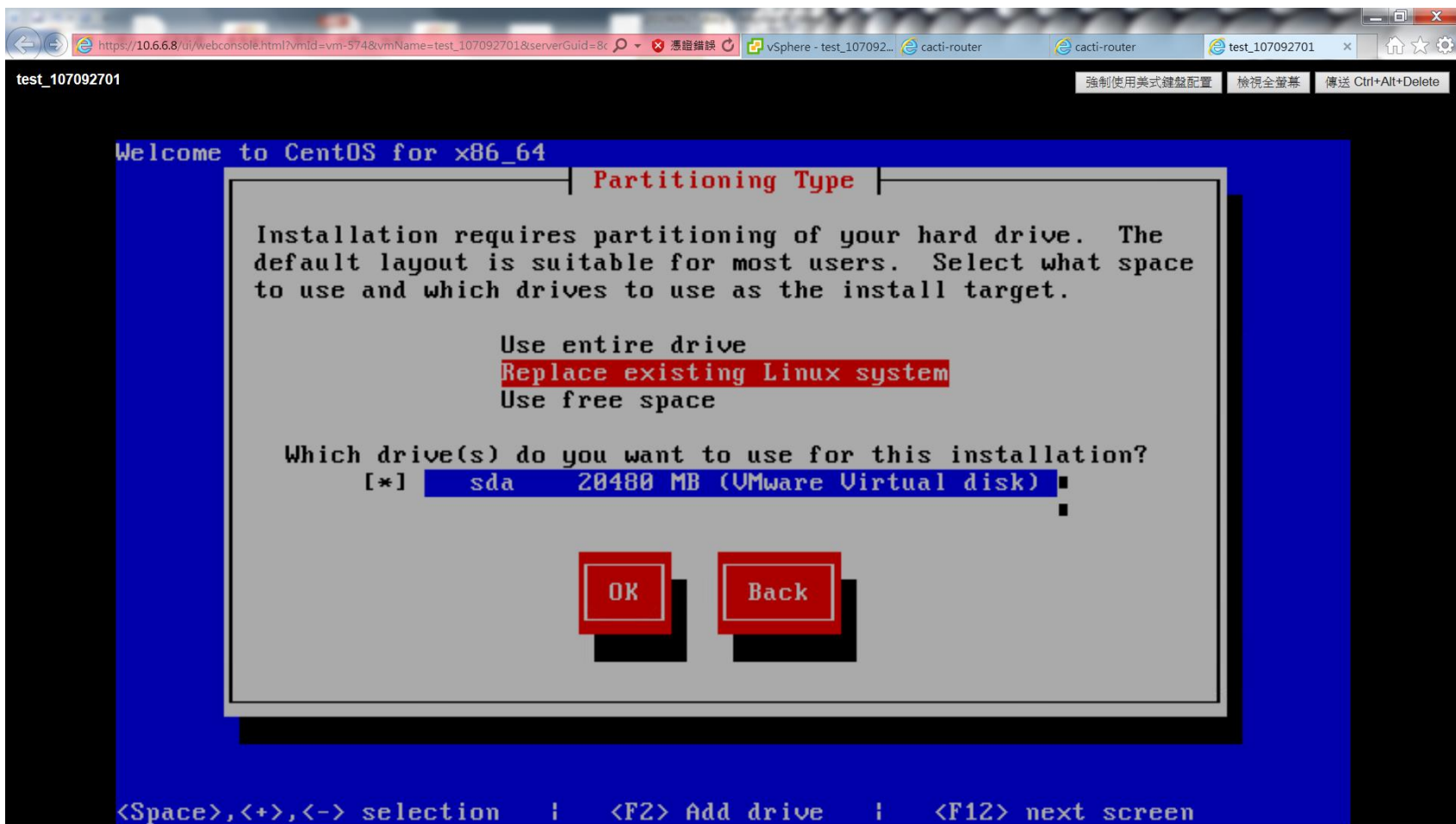
<Tab>/<Alt-Tab> between elements | <Space> selects | <F12> next screen

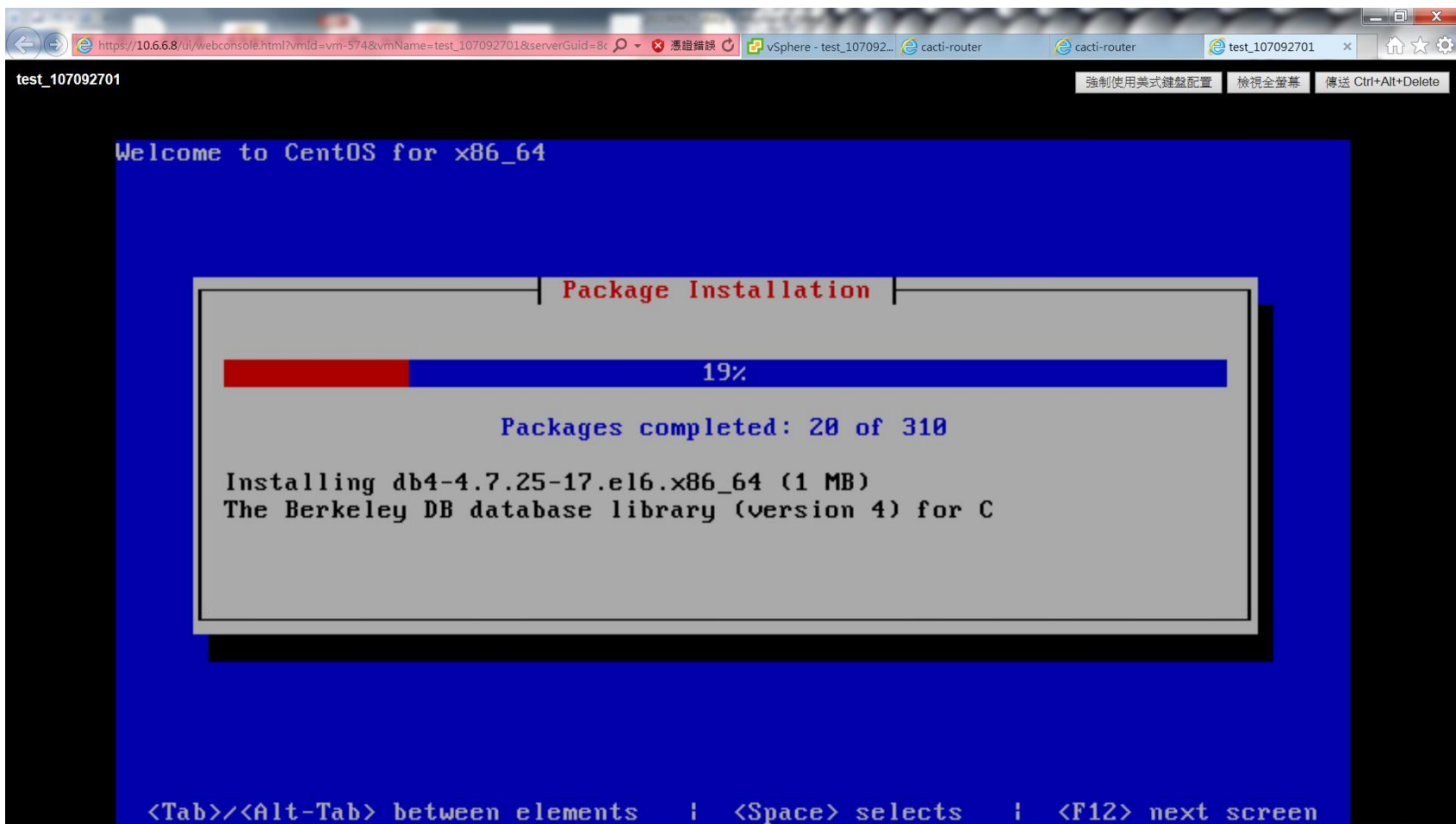


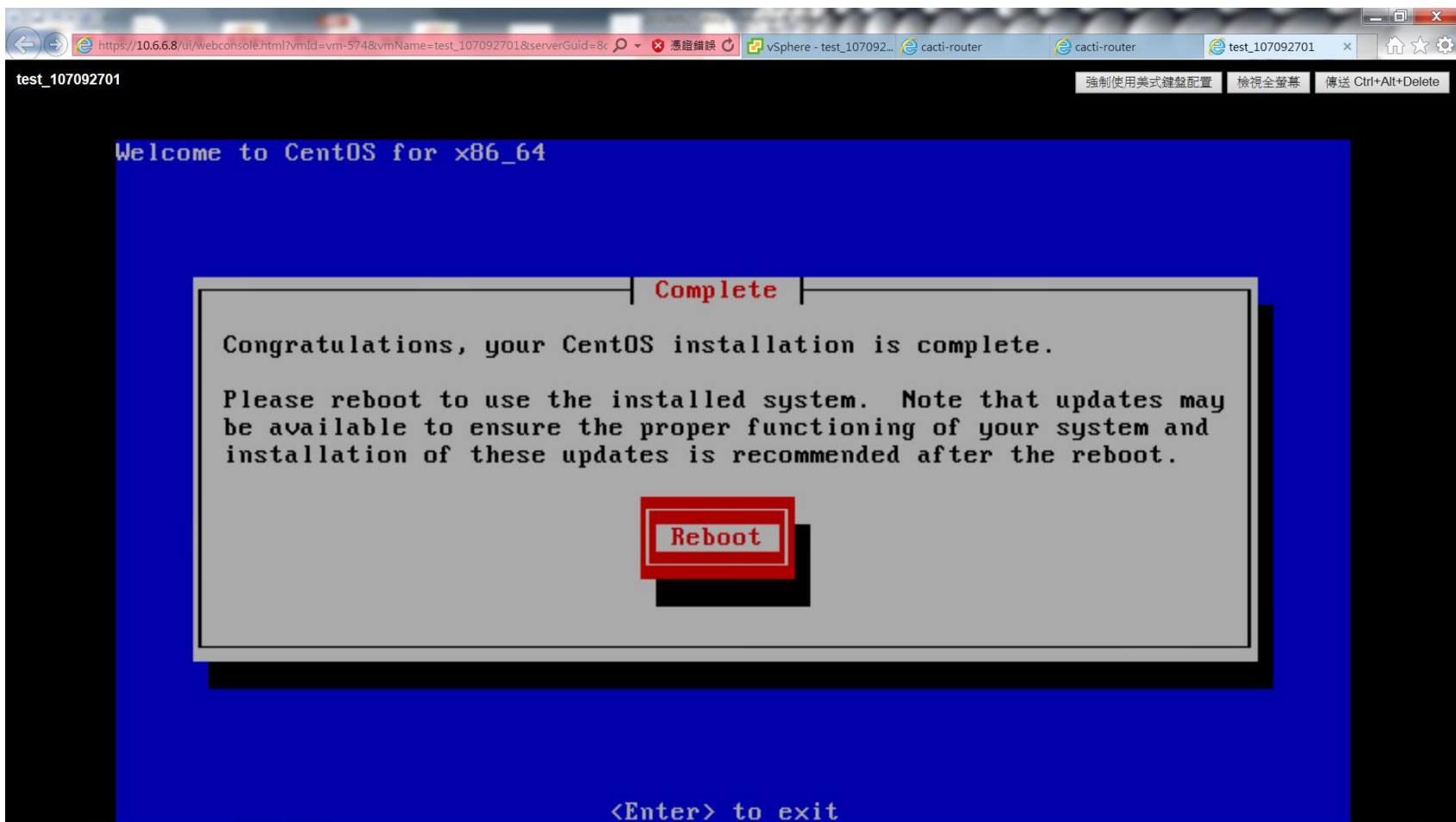












Oracle VM VirtualBox 管理員

檔案(F) 機器(M) 說明(H)



123
電源關閉

cactiEZ
電源關閉

歡迎使用 VirtualBox!

cactiEZ - 設定

系統

主機板(M) 處理器(P) 加速(L)

基本記憶體(M): 4 MB 1024 MB 4096 MB

開機順序(B):
☒ 軟體
☒ 光碟機
☒ 硬碟
☐ 網路

晶片組(C): PIIX3

指標裝置(P): PS/2 滑鼠

延伸功能:
☒ 啟用 I/O APIC (I)
☐ 啟用 EFI (僅特定作業系統)(E)
☒ 硬體時鐘以 UTC 時間(U)

確定 取消



檢查位於視窗頂端的主工具

本操作 (例如，機器存儲裝置)。

、移除、還原 (製作目前)，和觀察其內容。允許編輯媒



上午 10:06
107/10/1

Oracle VM VirtualBox 管理員

檔案(F) 機器(M) 說明(H)



123
電源關閉

cactiEZ
電源關閉

歡迎使用 VirtualBox!

cactiEZ - 設定

系統

主機板(M) 處理器(P) 加速(L)

基本記憶體(M): 4 MB 1024 MB 4096 MB

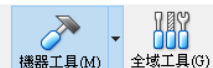
開機順序(B):
☒ 硬碟
☒ 軟體
☒ 光碟機
☐ 網路

晶片組(C): PIIX3

指標裝置(P): PS/2 滑鼠

延伸功能:
☒ 啟用 I/O APIC (I)
☐ 啟用 EFI (僅特定作業系統)(E)
☒ 硬體時鐘以 UTC 時間(U)

勾選時，客體將支援 Extended Firmware Interface (EFI)，某種客體作業系統開機是需要的，非 EFI 感知的作業系統如果啟用這個選項將無法開機。



檢查位於視窗頂端的主工具

本操作 (例如，機器存儲裝置)。

、移除、還原 (製作目前)，和觀察其內容。允許編輯媒



上午 10:06
107/10/1

Oracle VM VirtualBox 管理員

檔案(F) 機器(M) 說明(H)

新增(N) 設定值(S) 捨棄 顯示(H)

123 電源關閉

cactiEZ 執行中

歡迎使用 VirtualBox!

cactiEZ - 設定

- 一般
- 系統
- 顯示
- 存放裝置
- 音效
- 網路
- 串列埠
- USB
- 共用資料夾
- 使用者介面

網路

介面卡 1 介面卡 2 介面卡 3 介面卡 4

☒ 啟用網路卡(E)

附加到(A): 橋接介面卡

名稱(N): 未附加

進階(D): NAT 網路

內部網路
(僅限主機) 介面卡
通用驅動程式

controller

確定 取消

機器工具(M) 全域工具(G)



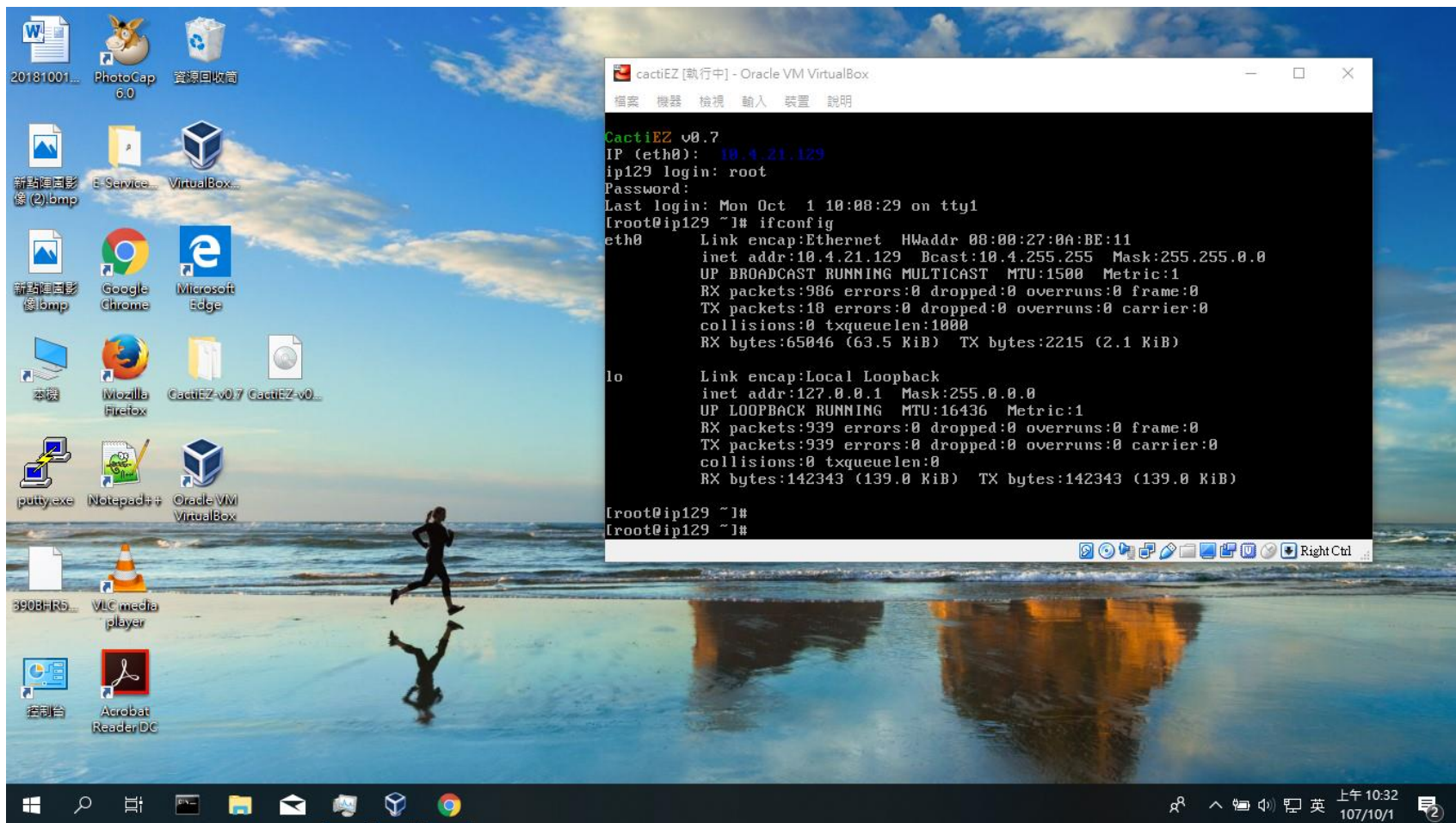
檢查位於視窗頂端的主工具

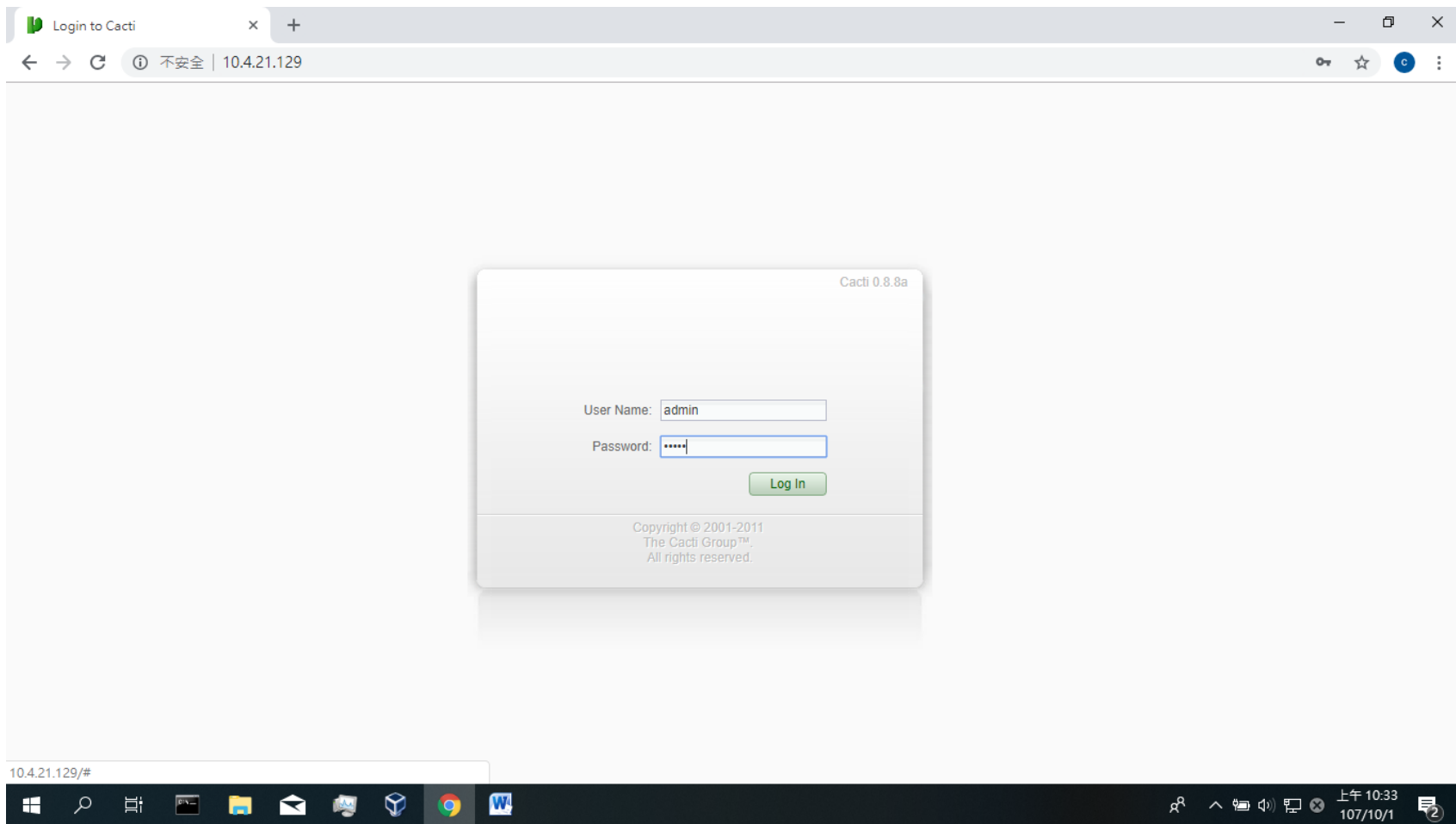
本操作 (例如，機器存儲裝置)。

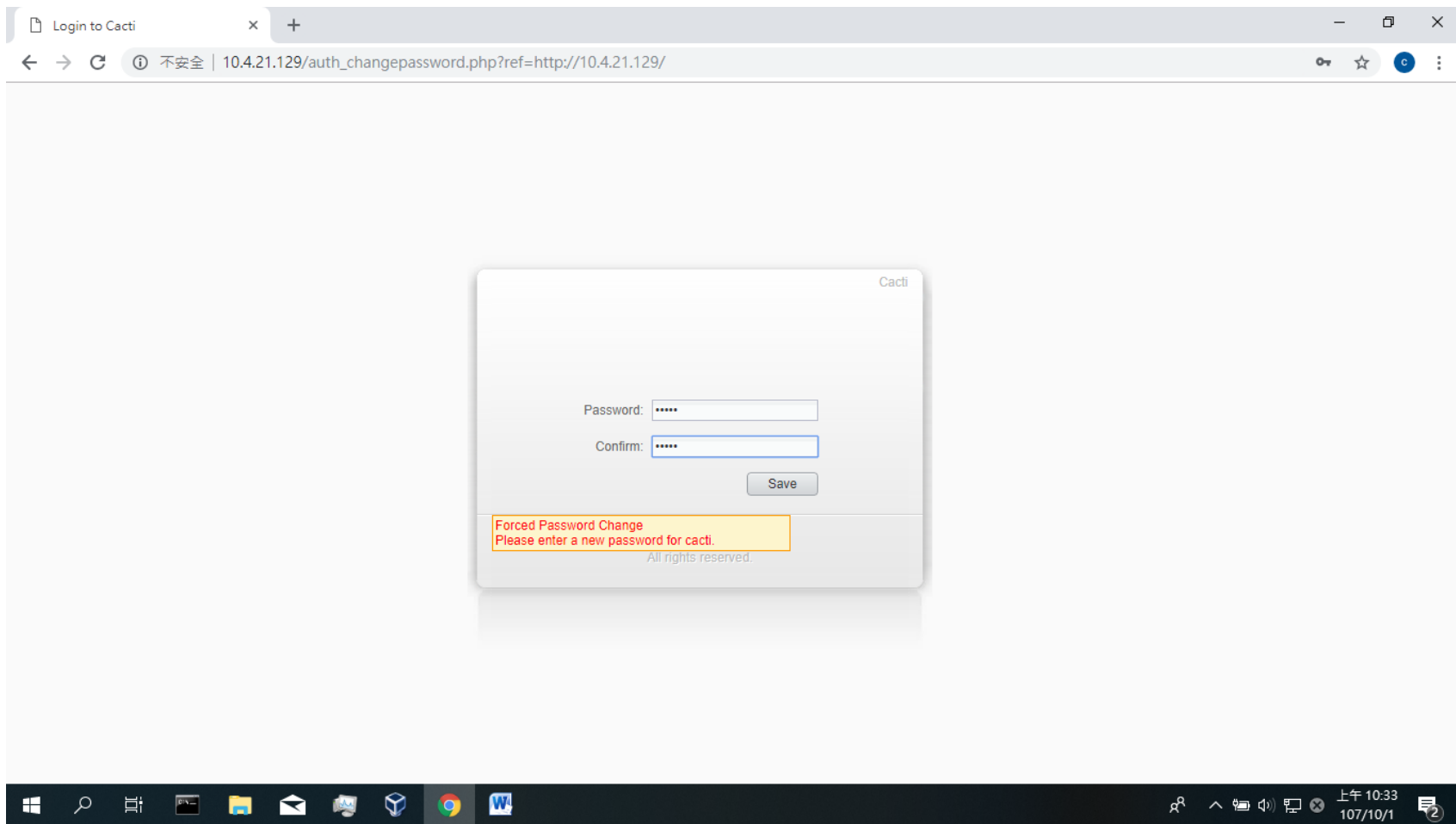
、移除、還原 (製作目前)，和觀察其內容。允許編輯媒

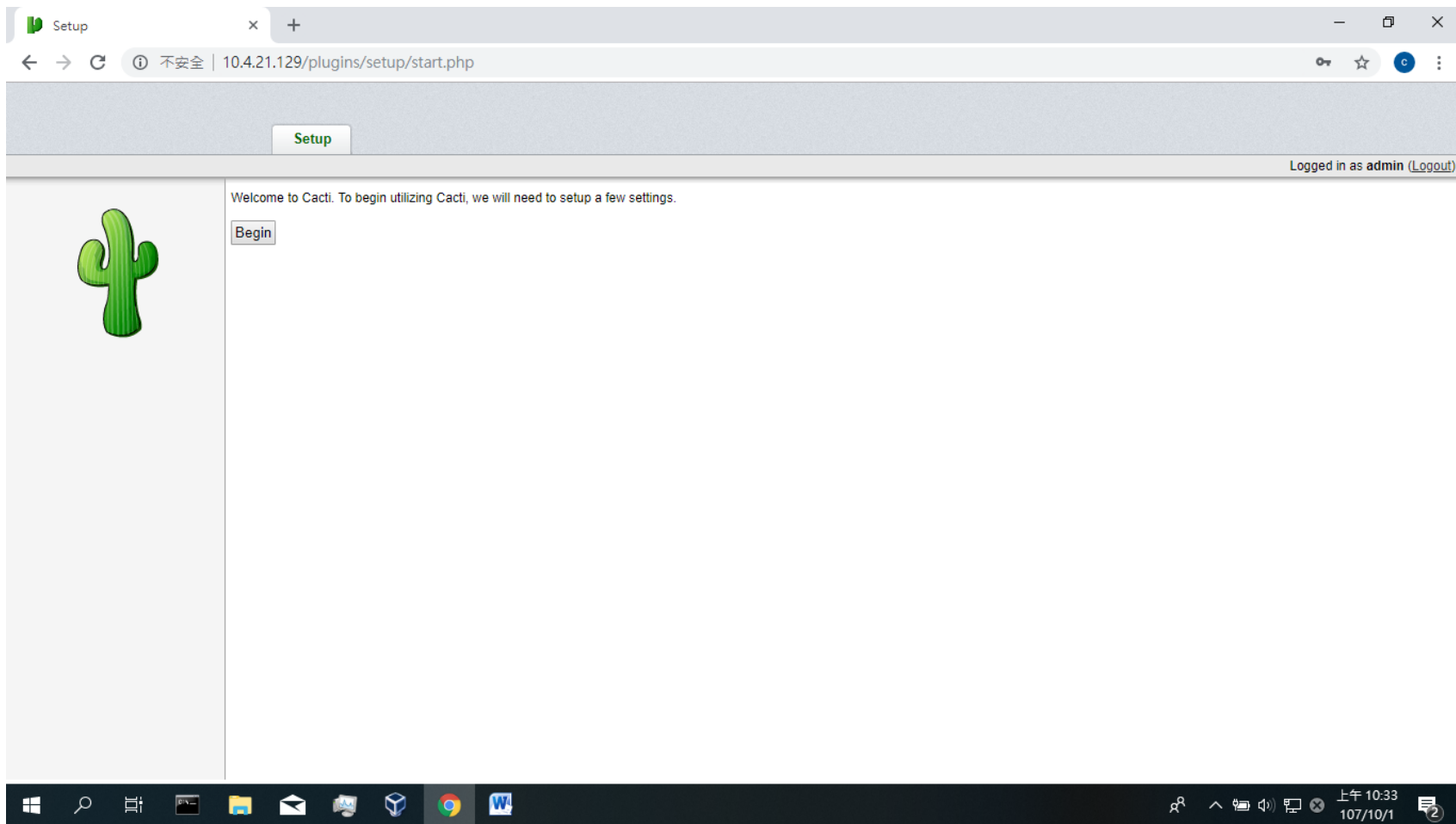


上午 10:08 107/10/1









Setup



不安全 | 10.4.21.129/plugins/setup/start.php



Setup

Logged in as admin (Logout)



Welcome to Cacti. To begin utilizing Cacti, we will need to setup a few settings.

Begin



上午 10:33
107/10/1

Setup

10.4.21.129/plugins/setup/start.php



Cacti has a plethora of plugins to enhance your monitoring capabilities. Please select any from the list below that you would like to utilize.

Pre-Installed Plugins				
Directory	Name	Description	Version	Author
autom8	Automate Cacti Tasks	Create rules to automate the create of Graphs and placement on the Graph Tree	0.36	Reinhard Scheck
errorimage	Error Images	Display proper error images in Cacti when graph images are broken.	0.2	Jimmy Conner
flowview	FlowView	Utilizing Cisco Flow data, create reports based off of the data traversing your network.	1.3	Jimmy Conner
jqueryskin	jQuery Theme	A Cacti Theme based off the default JQuery theme	0.1	The Cacti Group
maint	Maintenance Scheduler	A maintenance scheduler for Thold. Allows you to disable alerts during scheduled times	0.3	Jimmy Conner
settings	Global Plugin Settings	Contains Misc settings utilized by multiple different plugins	0.71	Jimmy Conner
setup	First Time Setup	Displays a setup screen allowing you to properly setup a cacti install before first use.	0.1	Jimmy Conner
syslog	Syslog Monitoring	A comprehensive Syslog Alerting tool that support very large partitioned databases.	1.22	The Cacti Group
thold	Thresholds	Allows alerting via email on data that you are graphing.	0.5	Jimmy Conner
watermark	Watermark	Set a watermark on your graphs	0.2	Jimmy Conner
webmin	webmin	Allows quick access to your Webmin install	0.1	Jimmy Conner

Available Plugins					
Directory	Name	Description	Version	Author	
aggregate	Create Aggregate Graphs	Build Aggregate Graphs from existing ones.	1.01	Reinhard Scheck	☐
boost	Large Site Performance Booster	Increase performance for large sites by caching data and delaying expensive writes.	5.1	The Cacti Group	☐
discovery	Network Discovery	Scans your network, and automatically adds devices to Cacti.	1.5	Jimmy Conner	☐
dsstats	Data Sources Statistics	Stores statistical polling data to be utilized by other plugins	1.4	The Cacti Group	☐
hmib	Host MIB Tool	Host information polling (Software, Processes, Hardware)	1.5	The Cacti Group	☐
mactrack	Device Tracking	Scans network devices and locates where a specific device is located.	3.0	Larry Adams	☐
monitor	Device Monitoring	Audible and visual alerts for offline hosts.	1.3	Jimmy Conner	☒
nectar	Send Graphs via EMail	Allows the sending of Graphs via Email.	0.35a	Reinhard Scheck	☐
realtime	Realtime Graph Viewer	Allow the real time polling of data of a particular graph.	0.5	Mathieu Virbel	☐
secpass	Secure Passwords	Allows enforcement of secure passwords for local accounts	0.2	Jimmy Conner	☐
weathermap	PHP Network Weathermap	Create visual maps of your network.	0.97a	Howard Jones	☒

Install



上午 10:35
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Setup

10.4.21.129/plugins/setup/start.php

不安全

Host MIB - Processes	5 minute	Displays the number of processes running	Cacti Developers	http://cacti.net
Interface - Statistics	1 Minute	This will display network interface statistics (traffic, 95th percentile, errors and discards, etc...)	Cacti Developers	http://cacti.net
Linux - IO Wait	1 Minute	For Linux machines with IOStats installed, this will graph will display the current IO Wait statistics for the device.	Jimmy Conner	http://cacti.net
Linux - Load Average	1 Minute	For Linux machines, this will display the 1min Load Average of the machine.	Jimmy Conner	http://cacti.net
Linux - Memory Usage	1 Minute	Displays Memory Usage of the Local Linux Machine (meaning only your Cacti box)	Cacti Developers	http://cacti.net
Local - Poller Statistics	1 Minute	For use on the Cacti device only, this template will display poller statistics.		http://cacti.net
SNMP - Generic OID Template	5 Minute	Generic Template used to create your own templates	Cacti Developers	http://cacti.net
Thold - Alerts	1 Minute	Displays the number of threshold alerts over time	Jimmy Conner	http://cacti.net
Windows - Services	5 Minute	For Windows machines, this template allows you to graph the status of any service (started / stopped).	Jimmy Conner	http://cacti.net

Optional Templates

Name	Interval	Description	Author	Homepage	
Advanced Ping	5 Minute	Allows you to graph ICMP/UDP/TCP ping times to a host	TheWitness/jug	http://cacti.net	
Barracuda - SPAM Firewall Queues	5 Minute	Graphs the Mail Queues of your SNMP enabled Barracuda SPAM Firewall	etijburg		
Cacti Polling Performance	5 Minute	Variety of Graphs for Cacti Poller/Boost Performance	gandalf	http://cacti.net	
Disk IO Usage	5 Minute	Disk IO Usage (Bytes, Transactions)	gandalf	http://cacti.net	
Host MIB - hrSystemUptime	5 Minute	Graphs the system uptime	tianon	http://andrewlives.com/cacti	
IP Protocol Stats	5 Minute	These scripts get the various detailed protocol statistics for IP / TCP / UDP / SNMP	BSOD2600		
Unix - Load Average	5 Minute	Load Average of Local Linux Machine	Cacti Developers	http://cacti.net	
VMWare ESX	5 Minute	Retreives CPU / Disk / Memory / Nic statistics about Guests hosts running on VMWare ESX	jerrison		
Website - Connection Statistics	5 Minute	When given a URL, this template allows you to monitor the connection statistics for a website (connection time, page load time).	Jimmy Conner	http://cacti.net	
Windows Process Usage	5 Minute	Graph a processes CPU and memory usage on a Win32 Host	BSOD2600		

Install

Windows Taskbar

System Tray

Setup

× +

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Setup

Logged in as admin (Logout)



Settings Setup

To ensure proper functionality of your Cacti install, there are several settings that are required to be configured.

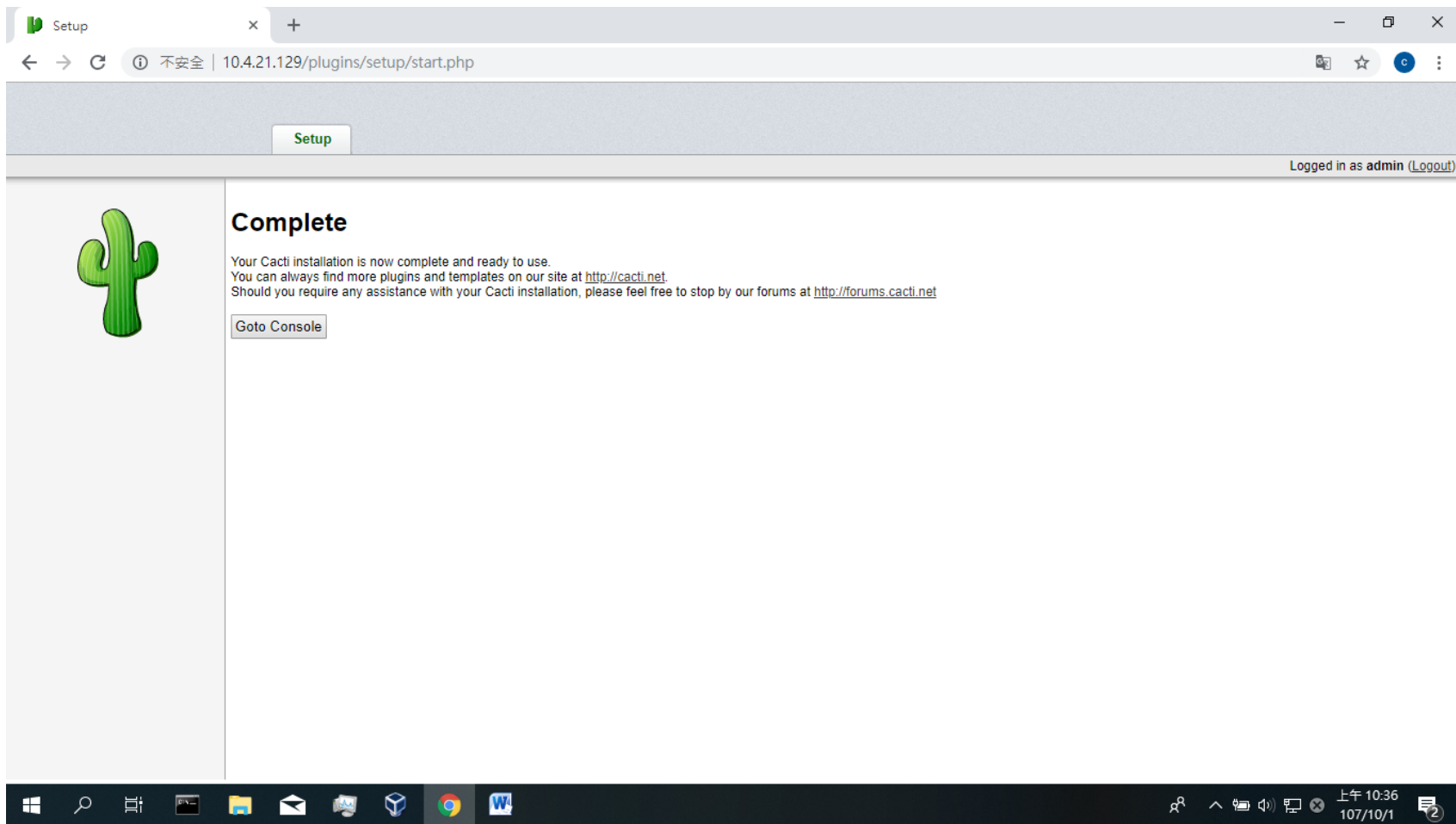
DNS Options	
Primary DNS IP Address Enter the primary DNS IP Address to utilize for reverse lookups.	163.22.2.1
Secondary DNS IP Address Enter the secondary DNS IP Address to utilize for reverse lookups.	163.22.2.2
DNS Timeout Please enter the DNS timeout in milliseconds. Cacti uses a PHP based DNS resolver.	500
Emailing Options	
From Email Address This is the email address that the email will appear from.	Cacti
From Name This is the actual name that the email will appear from.	cacti@localhost

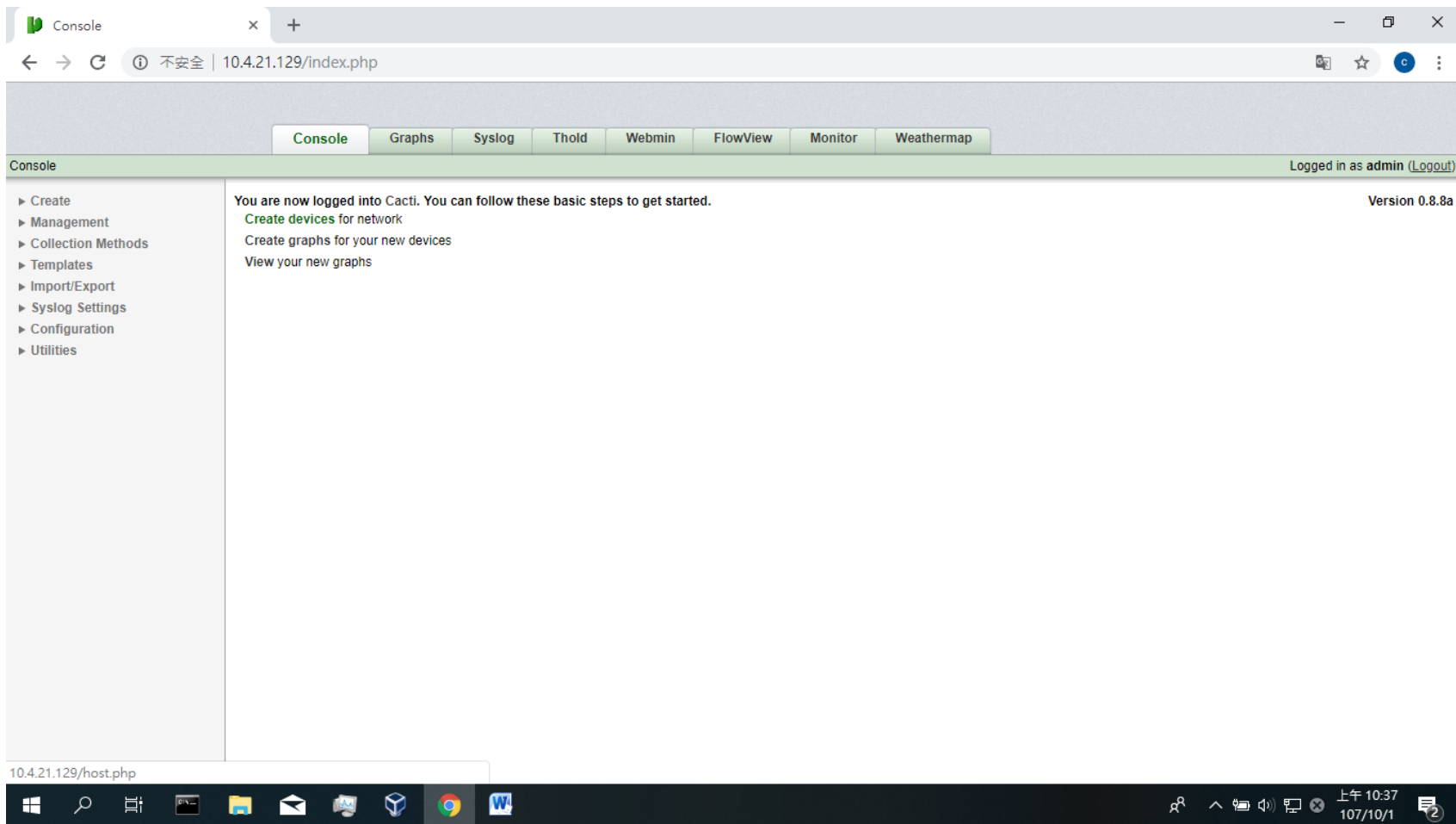
Save

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🗨️ 2





Console -> Devices

10.4.21.129/host.php

不安全

ConsoleGraphsSyslogTholdWebminFlowViewMonitorWeathermap

Console -> Devices

Logged in as admin (Logout)

▶ Create

▶ Management

▶ Collection Methods

▶ Templates

▶ Import/Export

▶ Syslog Settings

▶ Configuration

▶ Utilities

Devices

Add

Type: AnyStatus: AnySearch: Rows per Page: 30GoClear

<< Previous

Showing Rows 1 to 1 of 1 [1]

Next >>

Description**	ID	Graphs	Data Sources	Status	In State	Hostname	Current (ms)	Average (ms)	Availability
Localhost	1	12	12	Up	-	127.0.0.1	1.02	5.97	100

<< Previous

Showing Rows 1 to 1 of 1 [1]

Next >>

Choose an action:

Delete

Go

Windows Taskbar

上午 10:37 107/10/1

Console -> Devices -> (Edit)

10.4.21.129/host.php?action=edit&id=2

ConsoleGraphsSyslogTholdWebminFlowViewMonitorWeathermap

Console -> Devices -> (Edit)

Logged in as admin (Logout)

▶ Create

▶ Management

▶ Collection Methods

▶ Templates

▶ Import/Export

▶ Syslog Settings

▶ Configuration

▶ Utilities

10.32.1.231 (10.32.1.231)

SNMP Information

System: GS2200-24

Uptime: 3308731600 (382 days, 22 hours, 55 minutes)

Hostname: 32.231

Location:

Contact:

Devices [edit: 10.32.1.231]

General Host Options

Description

Give this host a meaningful description.

10.32.1.231

Hostname

Fully qualified hostname or IP address for this device.

10.32.1.231

Host Template

Choose the Host Template to use to define the default Graph Templates and Data Queries associated with this Host.

Cisco

Number of Collection Threads

The number of concurrent threads to use for polling this device. This applies to the Spine poller only.

1 Thread (default)

Disable Host

Check this box to disable all checks for this host.

☐ Disable Host

Monitor Host

Check this box to monitor this host on the Monitor Tab.

☒ Monitor Host

Down Host Message

This is the message that will be displayed when this host is reported as down.

10.32.1.231 GG

Thold Up/Down Email Notification

Which Notification List(s) of should be notified about Host Up/Down events?

Global List

Availability/Reachability Options

Downed Device Detection

The method Cacti will use to determine if a host is available for polling.

NOTE: It is recommended that, at a minimum, SNMP always be selected.

SNMP Uptime

Ping Timeout Value

The timeout value to use for host ICMP and UDP ping. This host SNMP timeout value applies for SNMP pings.

400

Ping Retor Count

*Create Graphs for this Host

*Data Source List

*Graph List

Windows Taskbar

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Console -> Devices -> (Edit)

10.4.21.129/host.php?action=edit&host_template_id=-1&host_status=-1

Disable Host
Check this box to disable all checks for this host.

☐ Disable Host

Monitor Host
Check this box to monitor this host on the Monitor Tab.

☒ Monitor Host

Down Host Message
This is the message that will be displayed when this host is reported as down.

Thold Up/Down Email Notification
Which Notification List(s) of should be notified about Host Up/Down events?

Downed Device Detection
The method Cacti will use to determine if a host is available for polling.
NOTE: It is recommended that, at a minimum, SNMP always be selected.

Ping Timeout Value
The timeout value to use for host ICMP and UDP ping. This host SNMP timeout value applies for SNMP pings.

Ping Retry Count
After an initial failure, the number of ping retries Cacti will attempt before failing.

SNMP Options

SNMP Version
Choose the SNMP version for this device.

SNMP Community
SNMP read community for this device.

SNMP Port
Enter the UDP port number to use for SNMP (default is 161).

SNMP Timeout
The maximum number of milliseconds Cacti will wait for an SNMP response (does not work with php-snmp support).

Maximum OID's Per Get Request
Specified the number of OID's that can be obtained in a single SNMP Get request.

Additional Options

Notes
Enter notes to this host.

Cancel

Create

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Console -> Devices -> (Edit)

10.4.21.129/host.php?action=edit&id=2

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10.4.21.129/host.php?action=edit&id=2

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⌵

Console

Graphs

Syslog

Thold

Webmin

FlowView

Monitor

Weathermap

Console -> Devices -> (Edit)

Logged in as admin (Logout)

► Create

► Management

► Collection Methods

► Templates

► Import/Export

► Syslog Settings

► Configuration

► Utilities

Save Successful.

10.32.1.231 (10.32.1.231)

SNMP Information

System: GS2200-24

Uptime: 3308729400 (382 days, 22 hours, 54 minutes)

Hostname: 32.231

Location:

Contact:

Create Graphs for this Host

Data Source List

Graph List

Devices [edit: 10.32.1.231]

General Host Options

Description

Give this host a meaningful description.

10.32.1.231

Hostname

Fully qualified hostname or IP address for this device.

10.32.1.231

Host Template

Choose the Host Template to use to define the default Graph Templates and Data Queries associated with this Host.

None

Number of Collection Threads

The number of concurrent threads to use for polling this device. This applies to the Spine poller only.

1 Thread (default)

Disable Host

Check this box to disable all checks for this host.

☐ Disable Host

Monitor Host

Check this box to monitor this host on the Monitor Tab.

☒ Monitor Host

Down Host Message

This is the message that will be displayed when this host is reported as down.

10.32.1.231 GG

Thold Up/Down Email Notification

Which Notification List(s) of should be notified about Host Up/Down events?

Global List

Availability/Reachability Options

Downed Device Detection

The method Cacti will use to determine if a host is available for polling.

SNMP Uptime

Windows Taskbar

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Console -> Create New Graphs

10.4.21.129/graphs_new.php?host_id=2

ConsoleGraphsSyslogTholdWebminFlowViewMonitorWeathermap

Console -> Create New Graphs

Logged in as admin (Logout)

CreateManagementCollection MethodsTemplatesImport/ExportSyslog SettingsConfigurationUtilities

10.32.1.231 (10.32.1.231)

Cisco

Host: 10.32.1.231 (10.32.1.231)Graph Types: All

Graph Templates

Graph Template Name

Create: Cisco - CPU Usage

Create: Cisco - ProcMem Usage

Create: Cisco - Router Free Memory

Create: (Select a graph type to create)

Data Query [SNMP - Interface Statistics]

<< PreviousShowing Rows 1 to 30 of 31 [1,2]Next >>

Index	Status	Description	Name (IF-MIB)	Alias (IF-MIB)	Type	Speed	Hardware Address	IP Address	
1	Down	swp00	swp00		ethernetCsmacd(6)	0	40:4A:03:61:7F:78	127.0.0.1	
2	Up	swp01	swp01	1	ethernetCsmacd(6)	1000000000	40:4A:03:61:7F:78		
3	Down	swp02	swp02		ethernetCsmacd(6)	0	40:4A:03:61:7F:78		
4	Up	swp03	swp03	2	ethernetCsmacd(6)	1000000000	40:4A:03:61:7F:78		
5	Down	swp04	swp04		ethernetCsmacd(6)	0	40:4A:03:61:7F:78		
6	Up	swp05	swp05	3	ethernetCsmacd(6)	1000000000	40:4A:03:61:7F:78		
7	Down	swp06	swp06		ethernetCsmacd(6)	0	40:4A:03:61:7F:78		
8	Up	swp07	swp07	4 B13 1B007	ethernetCsmacd(6)	1000000000	40:4A:03:61:7F:78		
9	Down	swp08	swp08		ethernetCsmacd(6)	0	40:4A:03:61:7F:78		
10	Down	swp09	swp09	5	ethernetCsmacd(6)	0	40:4A:03:61:7F:78		

Edit this Host

Create New Host

Auto-create thresholds

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Console -> Create New Graphs

10.4.21.129/graphs_new.php?host_id=2

9	Down	swp08	swp08		ethernetCsmacd(6)	0	40:4A:03:61:7F:78	☒
10	Down	swp09	swp09	5	ethernetCsmacd(6)	0	40:4A:03:61:7F:78	☒
11	Down	swp10	swp10		ethernetCsmacd(6)	0	40:4A:03:61:7F:78	☒
12	Down	swp11	swp11	6	ethernetCsmacd(6)	0	40:4A:03:61:7F:78	☒
13	Down	swp12	swp12		ethernetCsmacd(6)	0	40:4A:03:61:7F:78	☒
14	Down	swp13	swp13	7B11	ethernetCsmacd(6)	0	40:4A:03:61:7F:78	☒
15	Down	swp14	swp14		ethernetCsmacd(6)	0	40:4A:03:61:7F:78	☒
16	Down	swp15	swp15	8 B11 YCC	ethernetCsmacd(6)	0	40:4A:03:61:7F:78	☒
17	Down	swp16	swp16		ethernetCsmacd(6)	0	40:4A:03:61:7F:78	☒
18	Down	swp17	swp17	9	ethernetCsmacd(6)	0	40:4A:03:61:7F:78	☒
19	Down	swp18	swp18		ethernetCsmacd(6)	0	40:4A:03:61:7F:78	☒
20	Down	swp19	swp19		ethernetCsmacd(6)	0	40:4A:03:61:7F:78	☒
21	Down	swp20	swp20		ethernetCsmacd(6)	0	40:4A:03:61:7F:78	☒
22	Down	swp21	swp21		ethernetCsmacd(6)	0	40:4A:03:61:7F:78	☒
23	Down	swp22	swp22		ethernetCsmacd(6)	0	40:4A:03:61:7F:78	☒
24	Down	swp23	swp23		ethernetCsmacd(6)	0	40:4A:03:61:7F:78	☒
25	Down	swp24	swp24		ethernetCsmacd(6)	0	40:4A:03:61:7F:78	☒
26	Down	swp25	swp25		ethernetCsmacd(6)	0	40:4A:03:61:7F:78	☒
27	Down	swp26	swp26		ethernetCsmacd(6)	0	40:4A:03:61:7F:78	☒
28	Up	swp27	swp27		ethernetCsmacd(6)	1000000000	40:4A:03:61:7F:78	☒
20000	Up	enif0			ethernetCsmacd(6)	0		☒
20001	Up	swif0			ethernetCsmacd(6)	0		☒

<< Previous

Showing Rows 1 to 30 of 31 [1,2]

Next >>

Select a graph type:

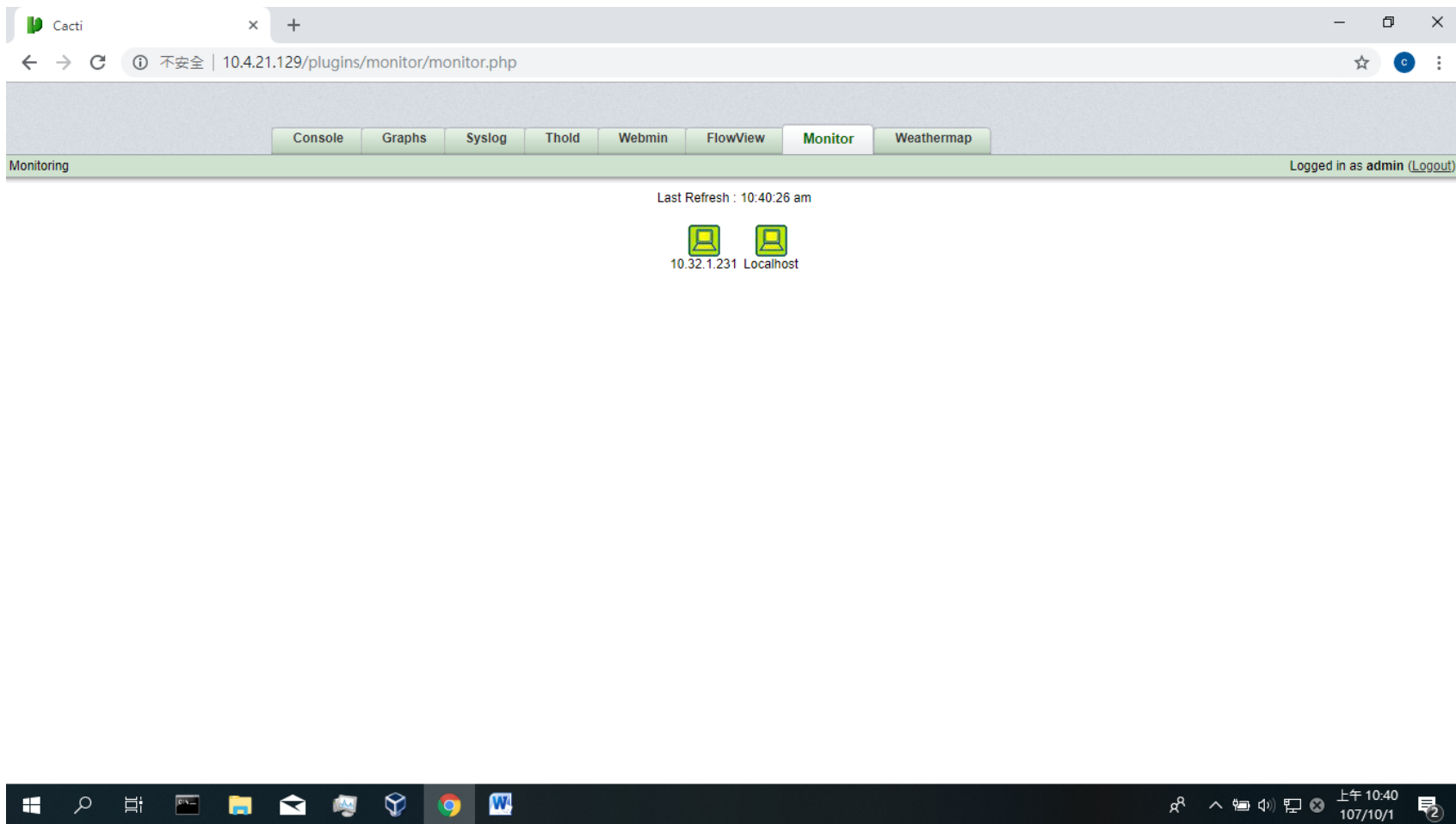
In/Out Bits

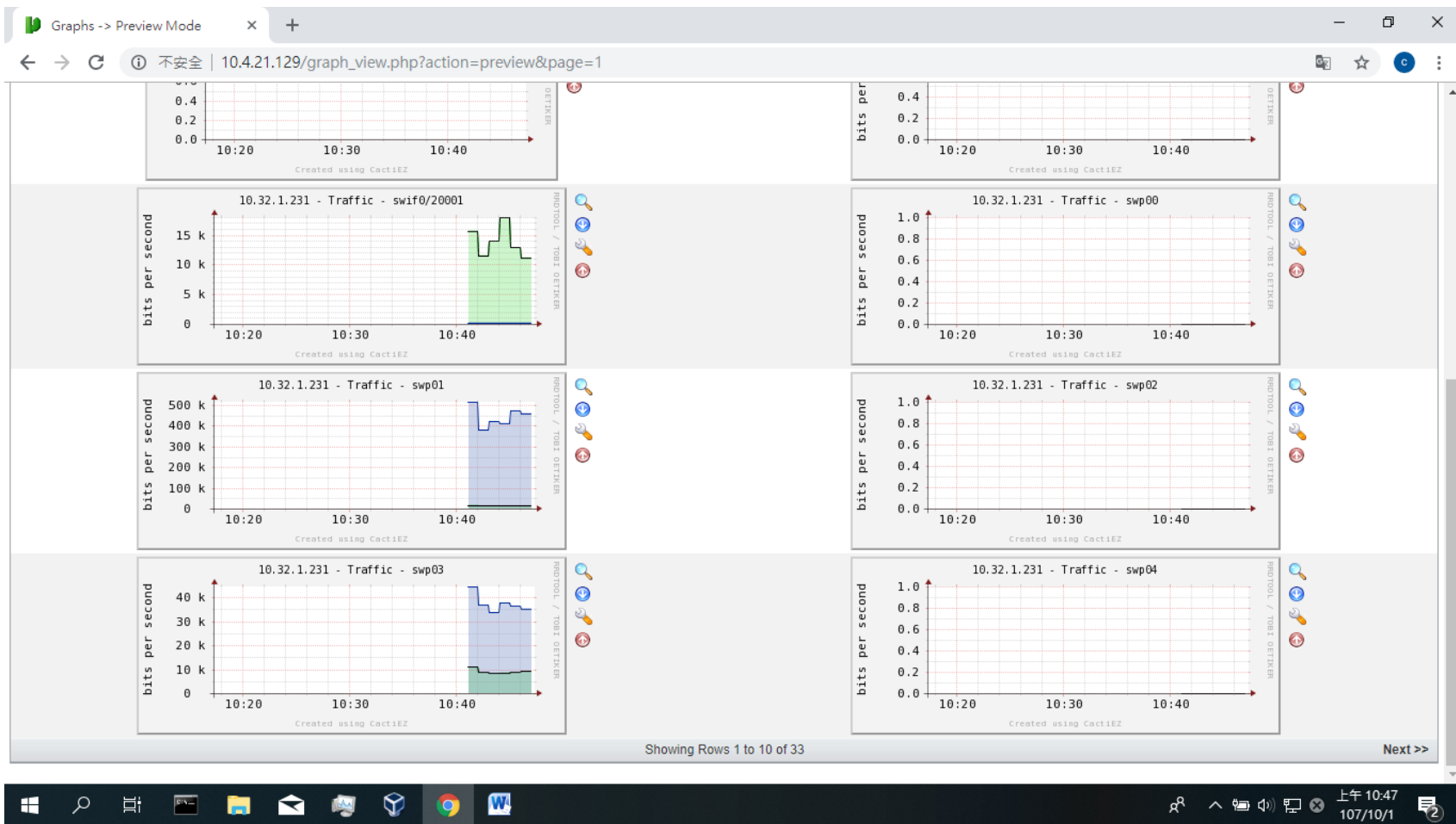
Cancel

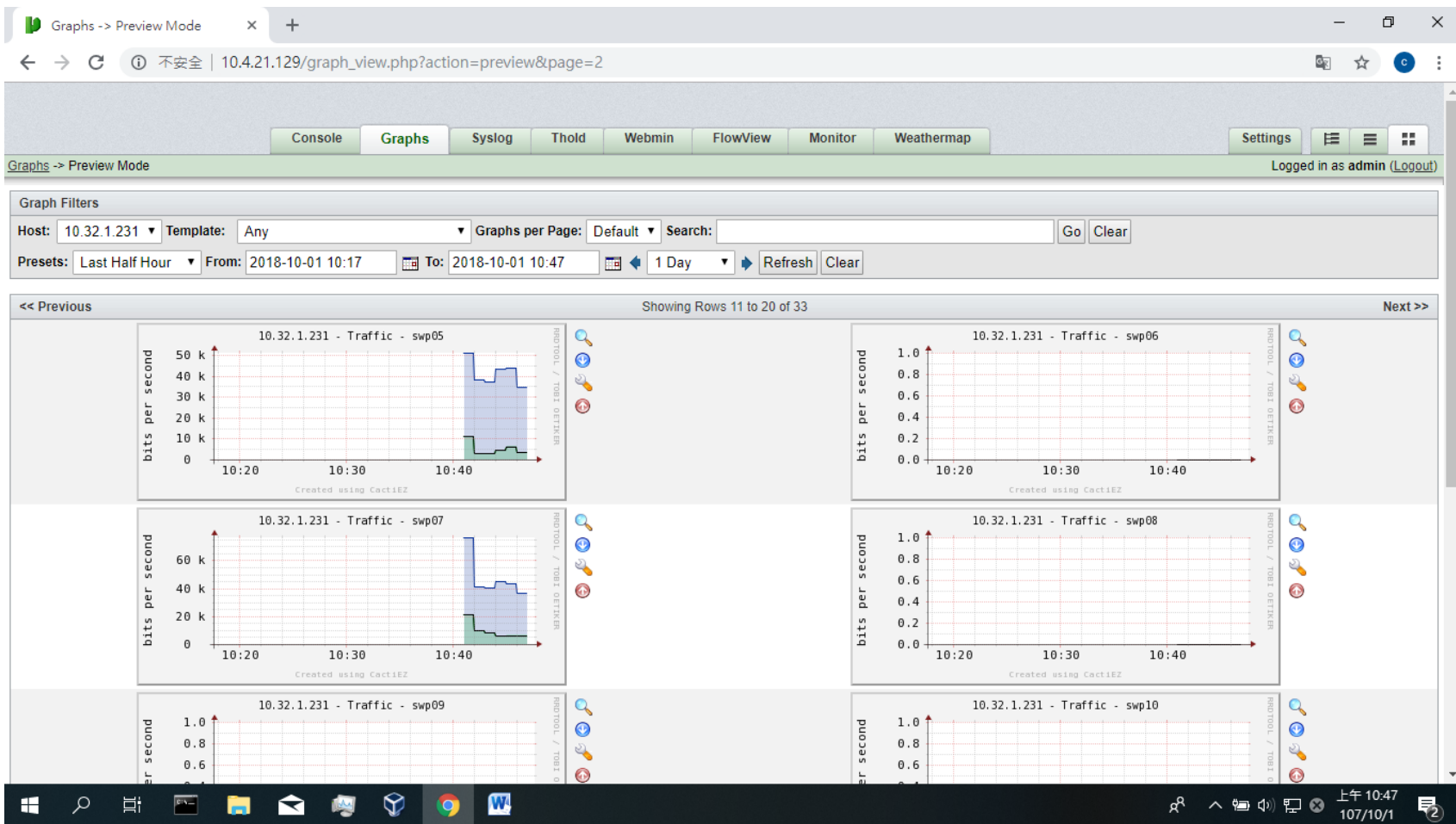
Create

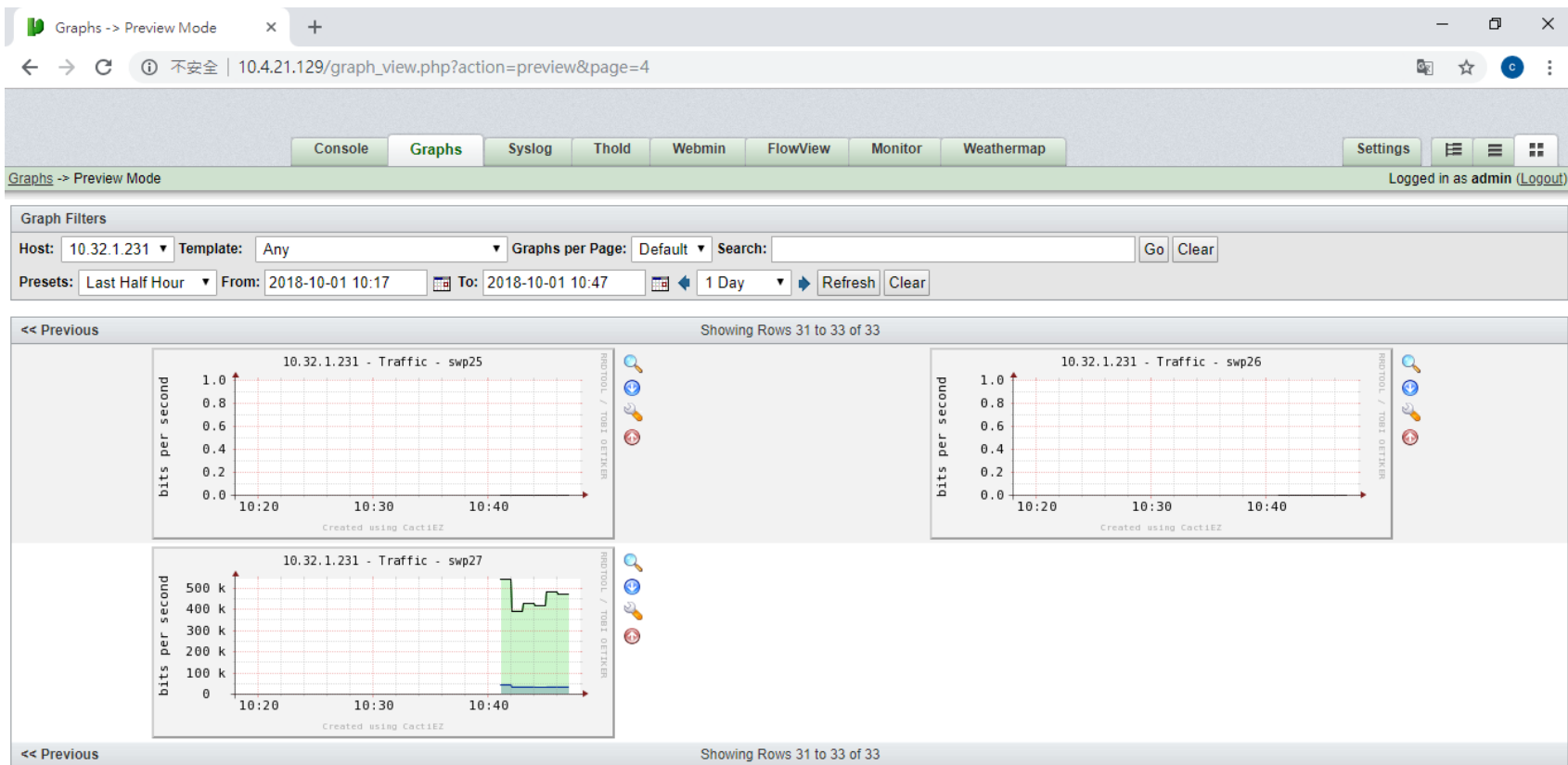
上午 10:40

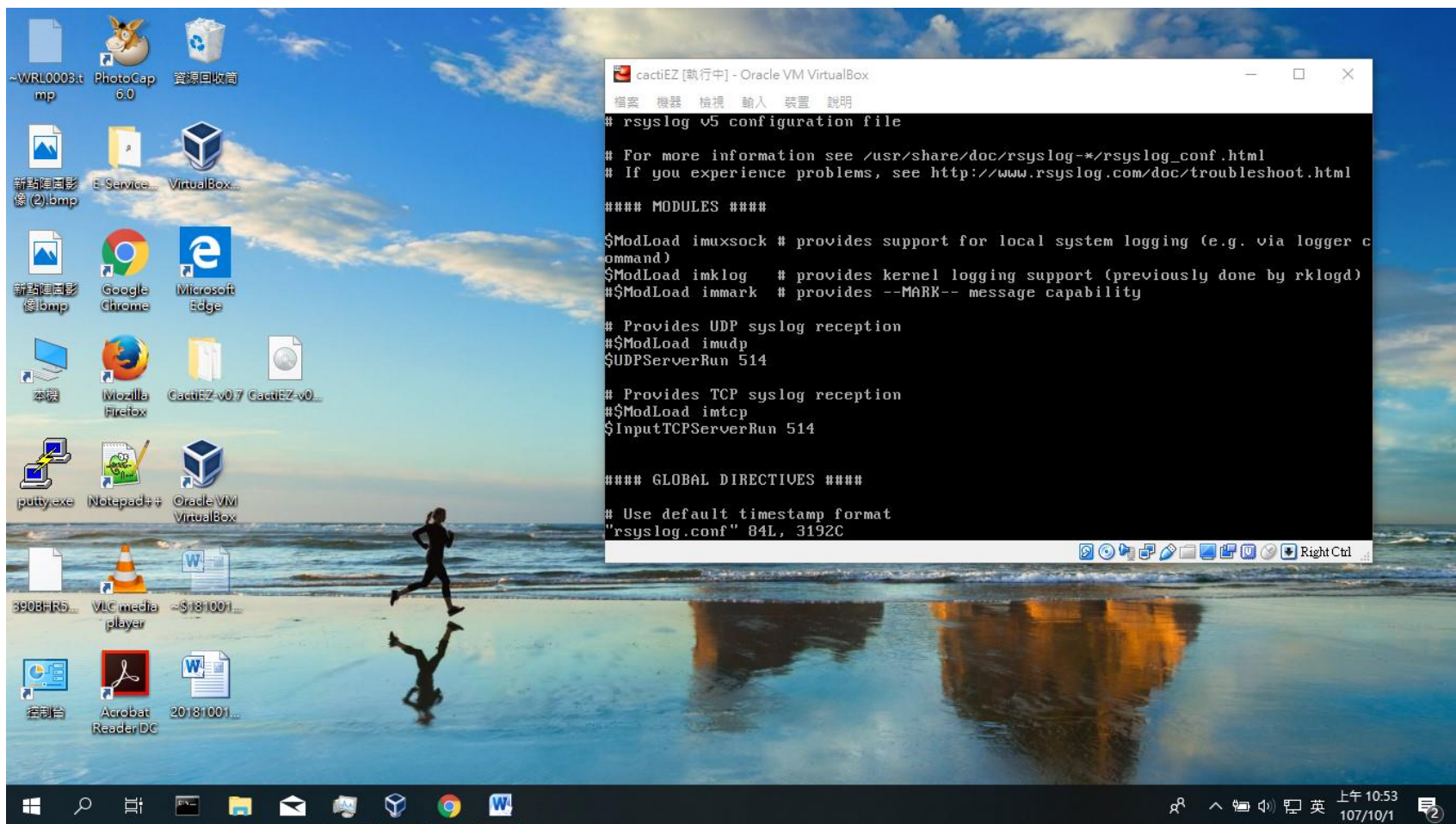
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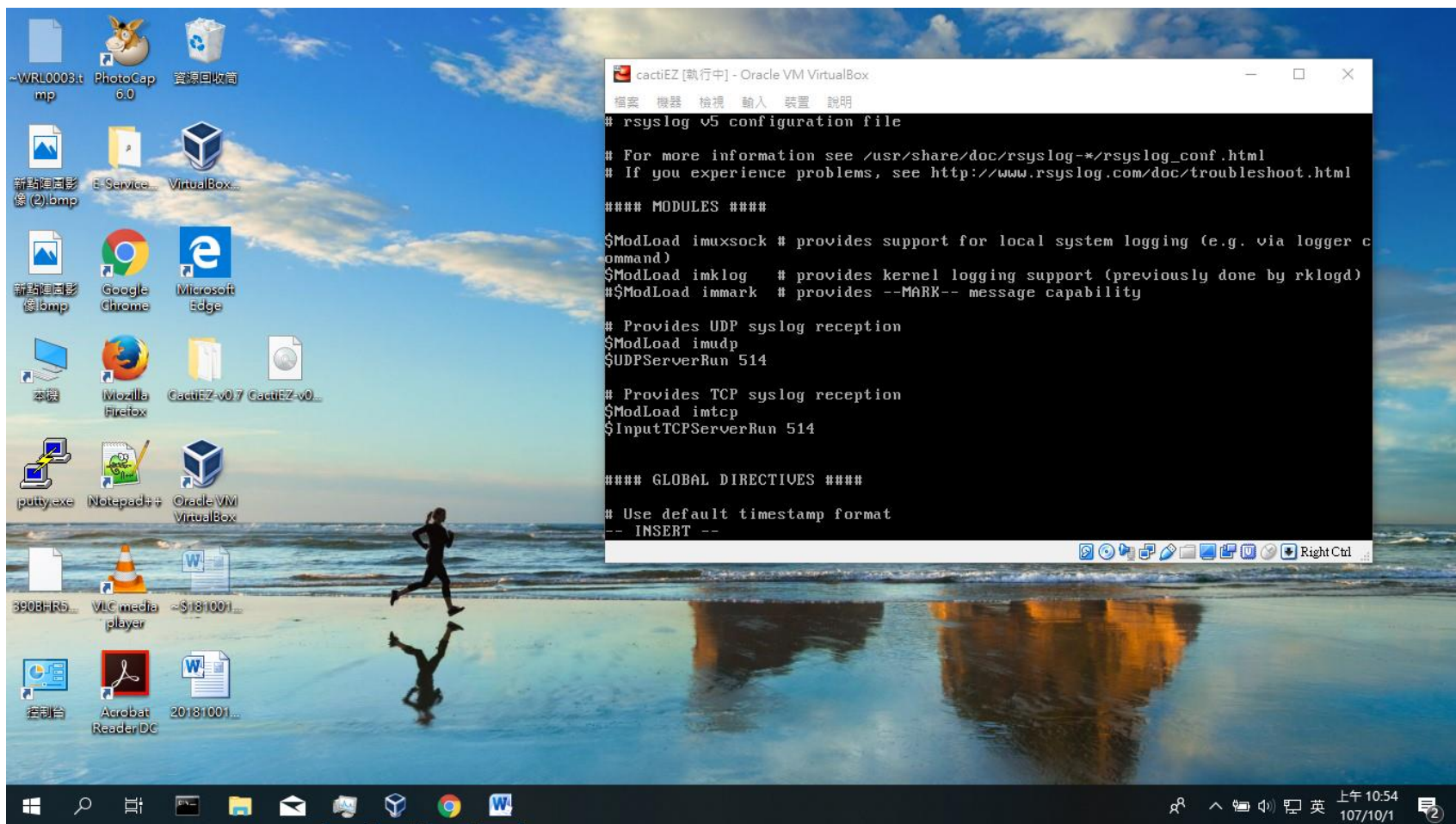


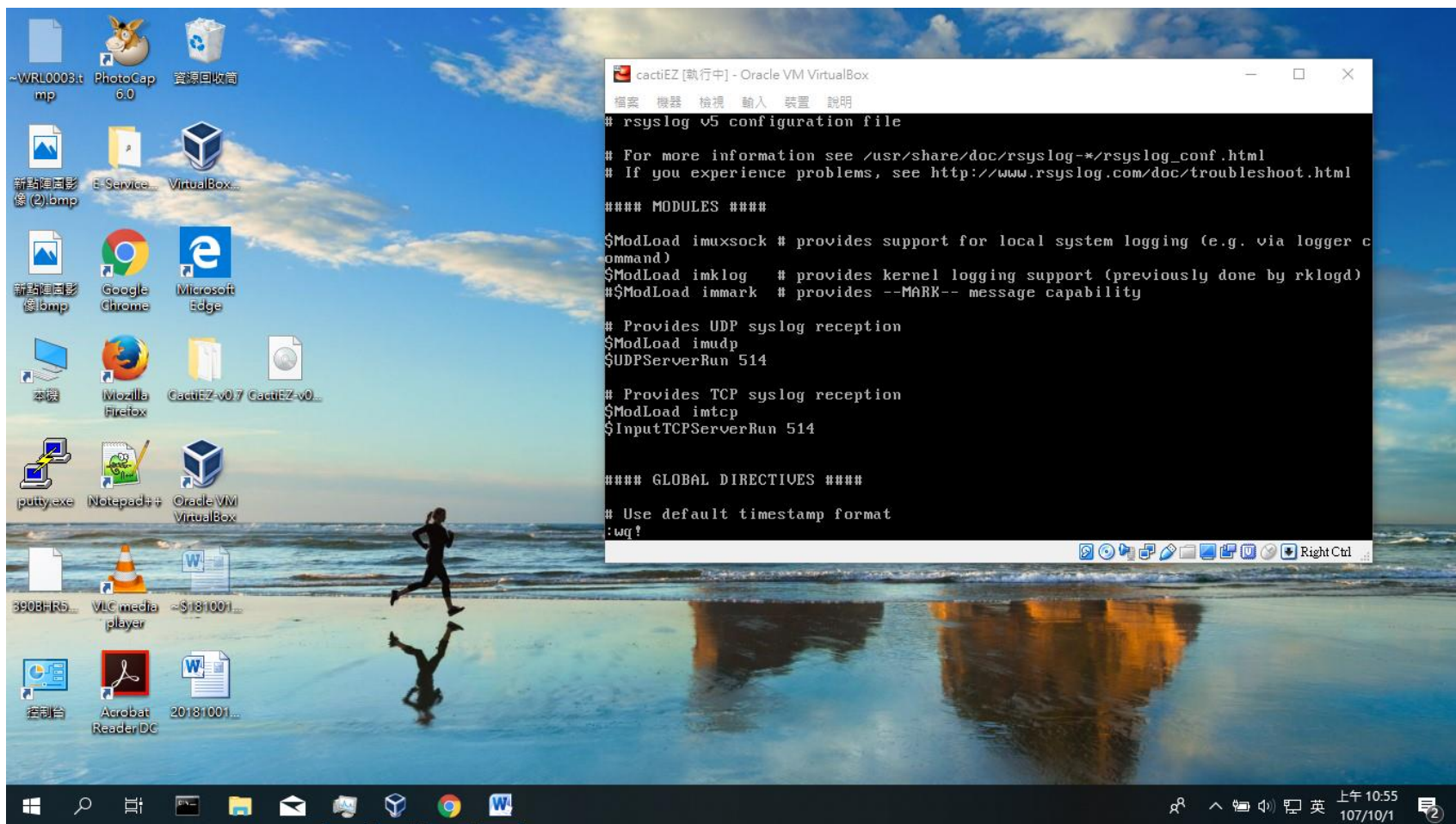


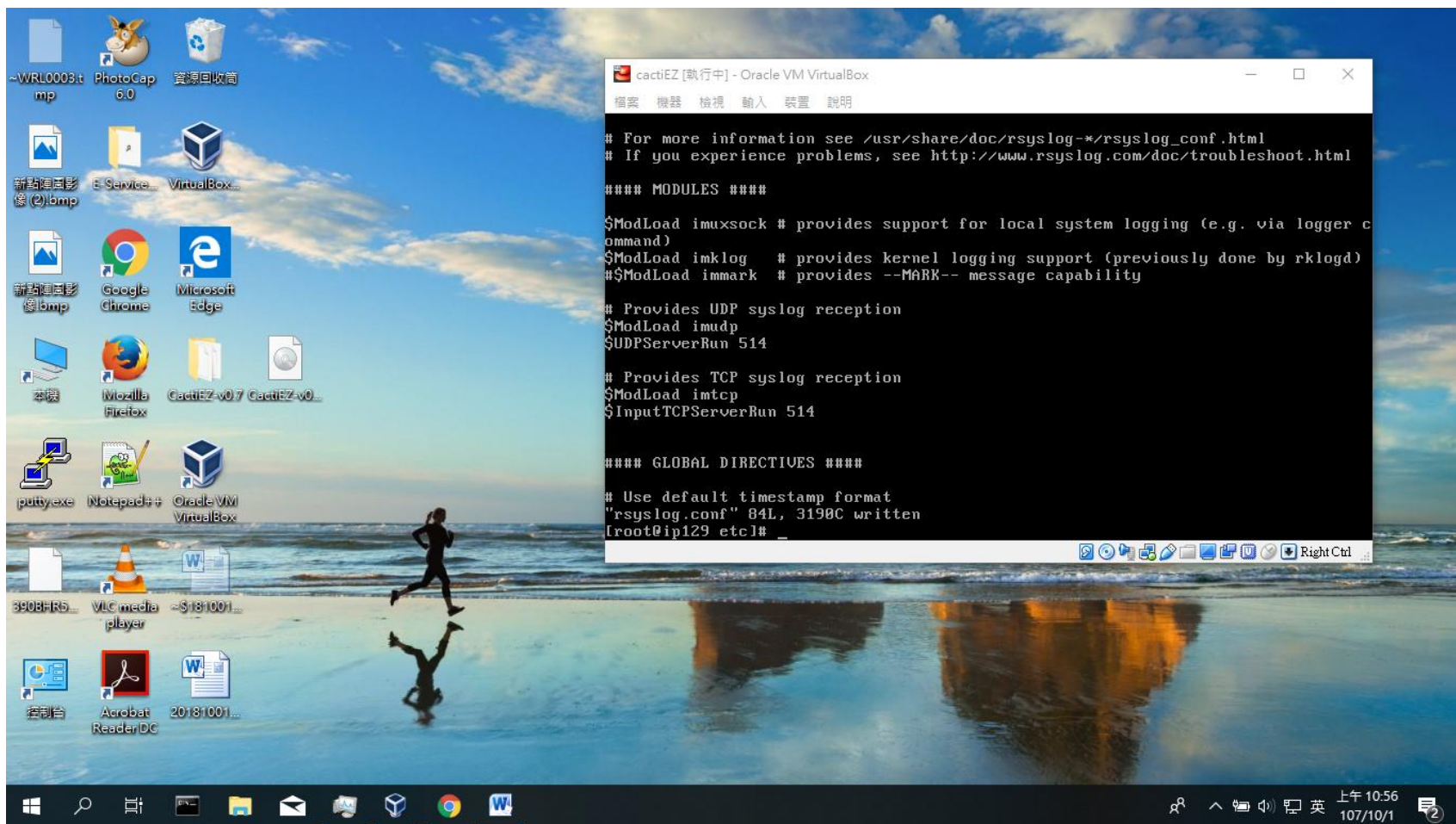












ZyXEL

Save Status Logout Help

MENU

- Basic Setting
- Advanced Application
- IP Application
- Management

Port Status

Port	Name	Link	State	LACP	TxPkts	RxPkts	Errors	Tx KB/s	Rx KB/s	Up Time
1		Down	STOP	Disabled	0	0	0	0.0	0.0	0:00:00
2	1	1000M/F	FORWARDING	Disabled	2524786337	1175378124	11	6.780	0.64	1249:08:13
3		Down	STOP	Disabled	0	0	0	0.0	0.0	0:00:00
4	2	1000M/F	FORWARDING	Disabled	2488979681	917896847	0	6.162	0.682	1391:44:48
5		Down	STOP	Disabled	0	0	0	0.0	0.0	0:00:00
6	3	1000M/F	FORWARDING	Disabled	4601618459	2290663983	0	6.685	0.192	1864:36:06
7		Down	STOP	Disabled	0	0	0	0.0	0.0	0:00:00
8	4 B13 1B	1000M/F	FORWARDING	Disabled	3928092426	2828184186	3	6.312	0.309	455:15:46
9		Down	STOP	Disabled	0	0	0	0.0	0.0	0:00:00
10	5	Down	STOP	Disabled	0	0	0	0.0	0.0	0:00:00
11		Down	STOP	Disabled	0	0	0	0.0	0.0	0:00:00
12	6	Down	STOP	Disabled	0	0	0	0.0	0.0	0:00:00
13		Down	STOP	Disabled	0	0	0	0.0	0.0	0:00:00
14	7B11	Down	STOP	Disabled	1667038249	317515416	111	0.0	0.0	0:00:00
15		Down	STOP	Disabled	0	0	0	0.0	0.0	0:00:00
16	8 B11 YC	Down	STOP	Disabled	2372802949	4224955406	0	0.0	0.0	0:00:00
17		Down	STOP	Disabled	0	0	0	0.0	0.0	0:00:00
18	9	Down	STOP	Disabled	0	0	0	0.0	0.0	0:00:00
19		Down	STOP	Disabled	0	0	0	0.0	0.0	0:00:00
20		Down	STOP	Disabled	0	0	0	0.0	0.0	0:00:00

Any

Port

Clear Counter

Cacti

Web Configurator

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ZyXEL

Save Status Logout Help

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SNMP

General Setting

Access Control

Trap Group

User

Version

v2c

Get Community

public

Set Community

123456

Trap Community

public

Trap Destination

Version	IP	Port	Username
v2c	0.0.0.0	162	
v2c	0.0.0.0	162	
v2c	0.0.0.0	162	
v2c	0.0.0.0	162	

Apply

Cancel

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Syslog Server Setup

Syslog Active

Logging type	Active	Facility
System	☒	local use 0
Interface	☒	local use 0
Switch	☒	local use 0
AAA	☒	local use 0
IP	☒	local use 0

Apply Cancel

ZyXEL

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MAC Table

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Configure Clone

Syslog Server Setup

Syslog Setup

Active



Server Address

10.4.21.129

Log Level

Level 0-7

Add

Cancel

Clear

Index	Active	IP Address	Log Level	Delete
1	Yes	10.10.12.14	0-7	☐

Delete

Cancel

Cacti

10.4.21.129/plugins/syslog/syslog.php?predefined_timespan=4&predefined_timeshift=7

已暂停

ConsoleSyslogTholdWebminFlowViewMonitorWeathermap

Syslog

Logged in as admin (Logout)

SyslogsAlert Log

Syslog Message Filter [Start: '2018-10-02 06:57' to End: '2018-10-02 10:57']

Presets: Last 4 HoursFrom: 2018-10-02 06:57To: 2018-10-02 10:571 DayGoClearExportAlertsRemovalsReports

Search:All FacilitiesAll PrioritiesMain Records3075 Chars5 Minutes

Select Host(s):

Show All Hosts32.231ip129localhost

<< PreviousShowing Rows 1 to 6 of 6 [1]Next >>

Actions	Host	Date**	Message	Facility	Priority
 	32.231	2018-10-02 09:37:10	User admin login	16	6
 	32.231	2018-10-02 09:00:47	User admin logout	16	6
 	32.231	2018-10-02 09:00:18	User admin login	16	6
 	32.231	2018-10-02 09:00:06	User admin logout	16	6
 	32.231	2018-10-02 08:58:46	User admin login	16	6
 	32.231	2018-10-02 08:58:43	Telnet authentication failure [username: admin]	16	5

<< PreviousShowing Rows 1 to 6 of 6 [1]Next >>

Emergency

Critical

Alert

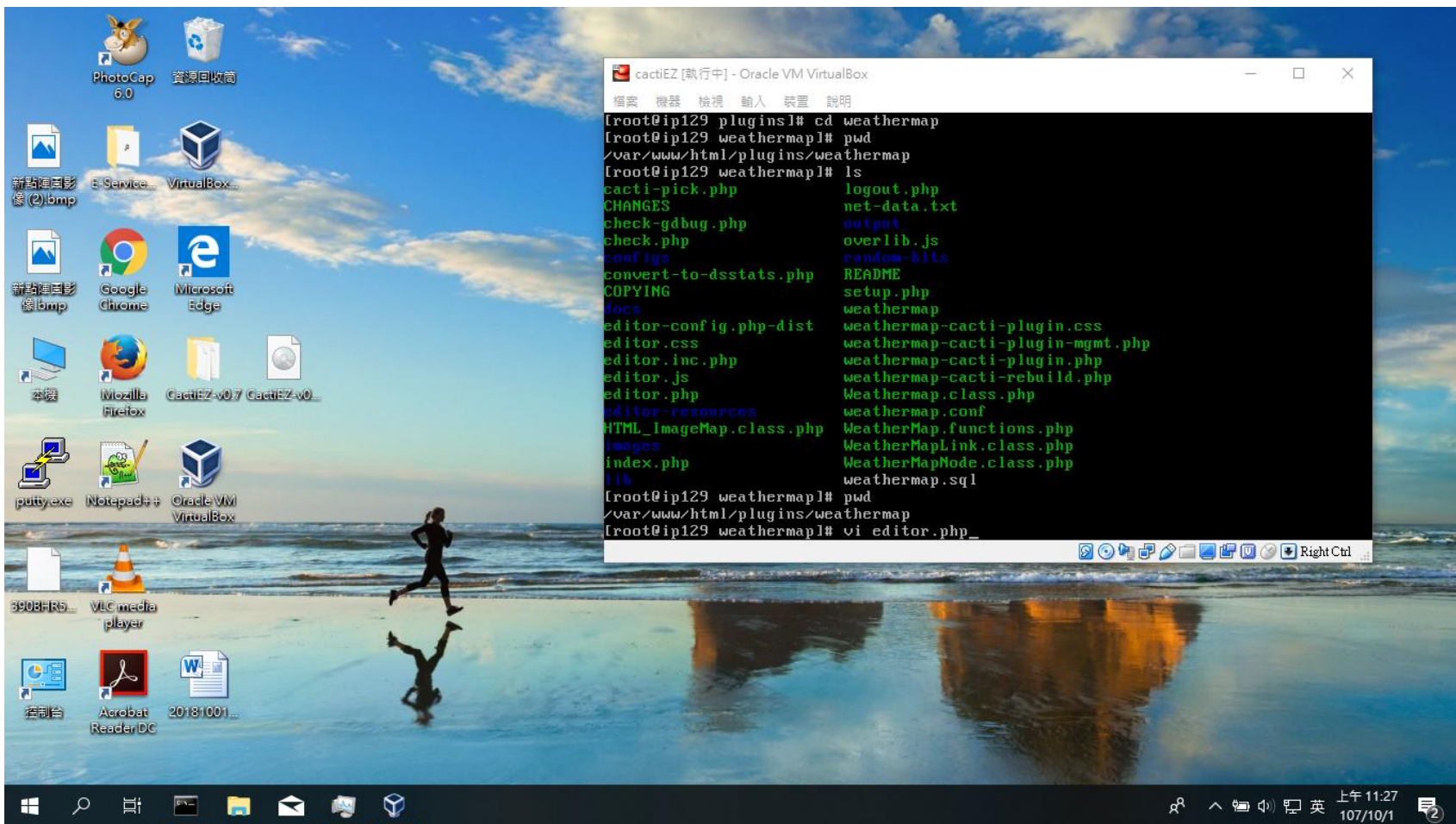
Error

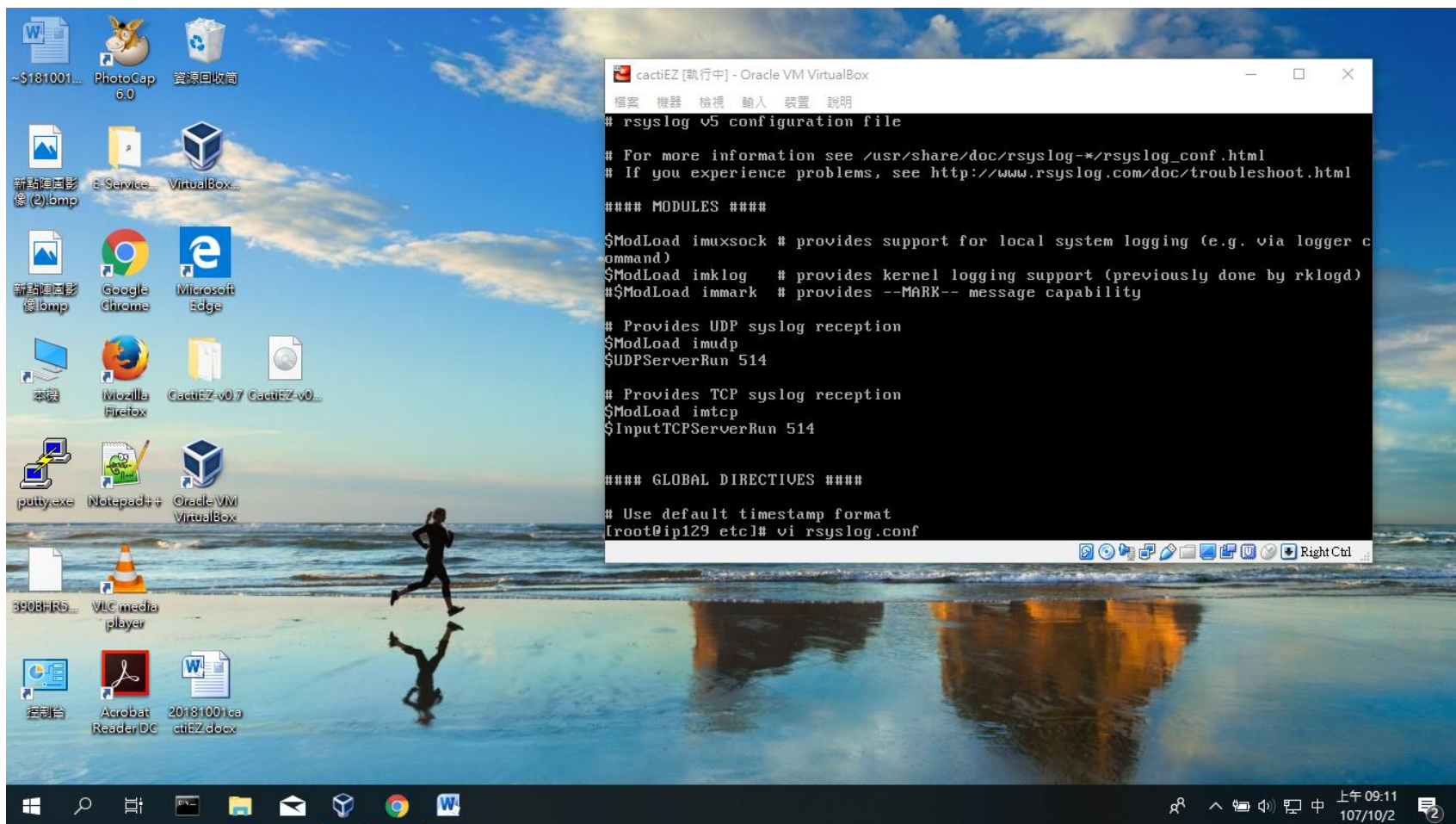
Warning

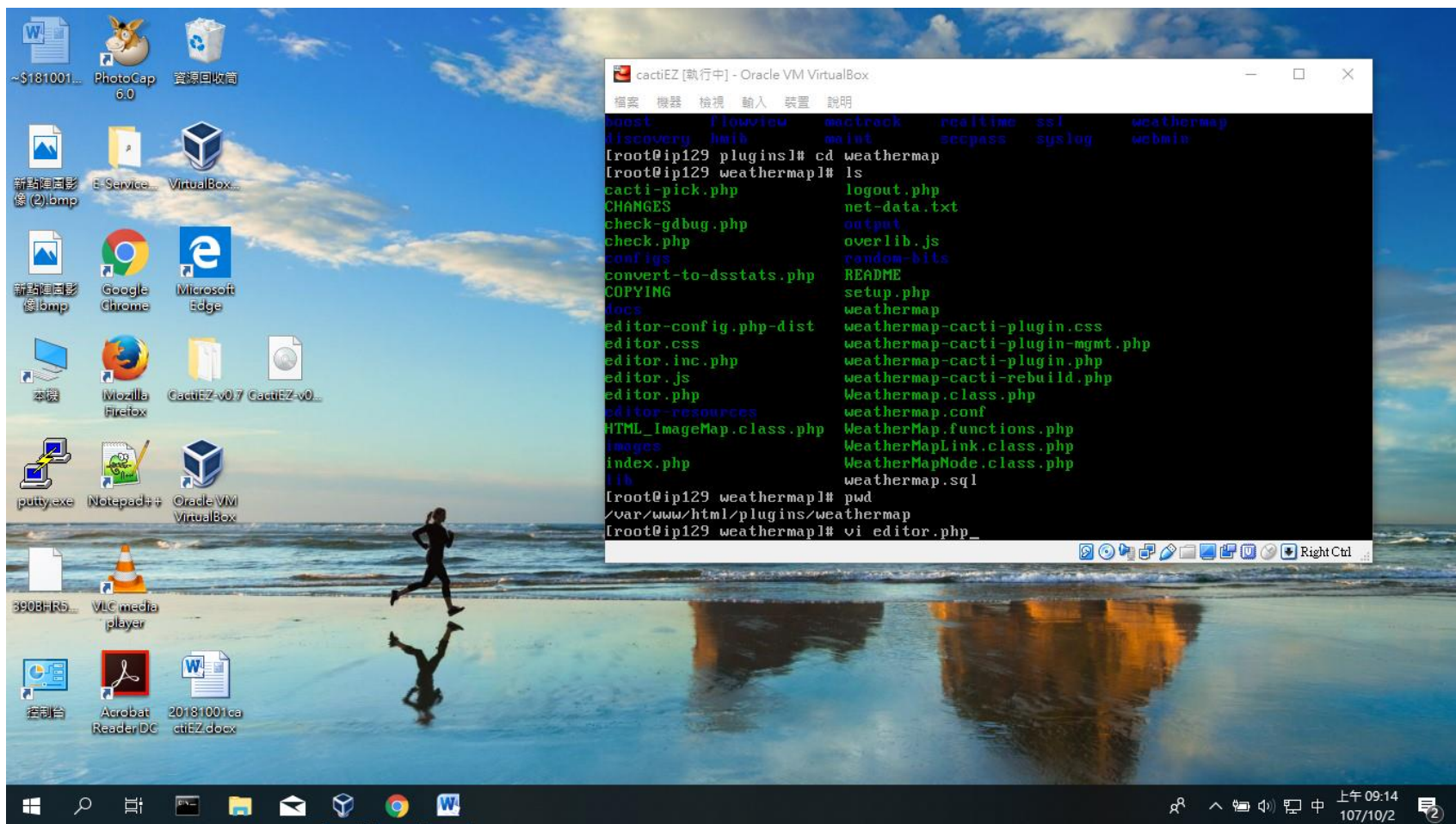
Notice

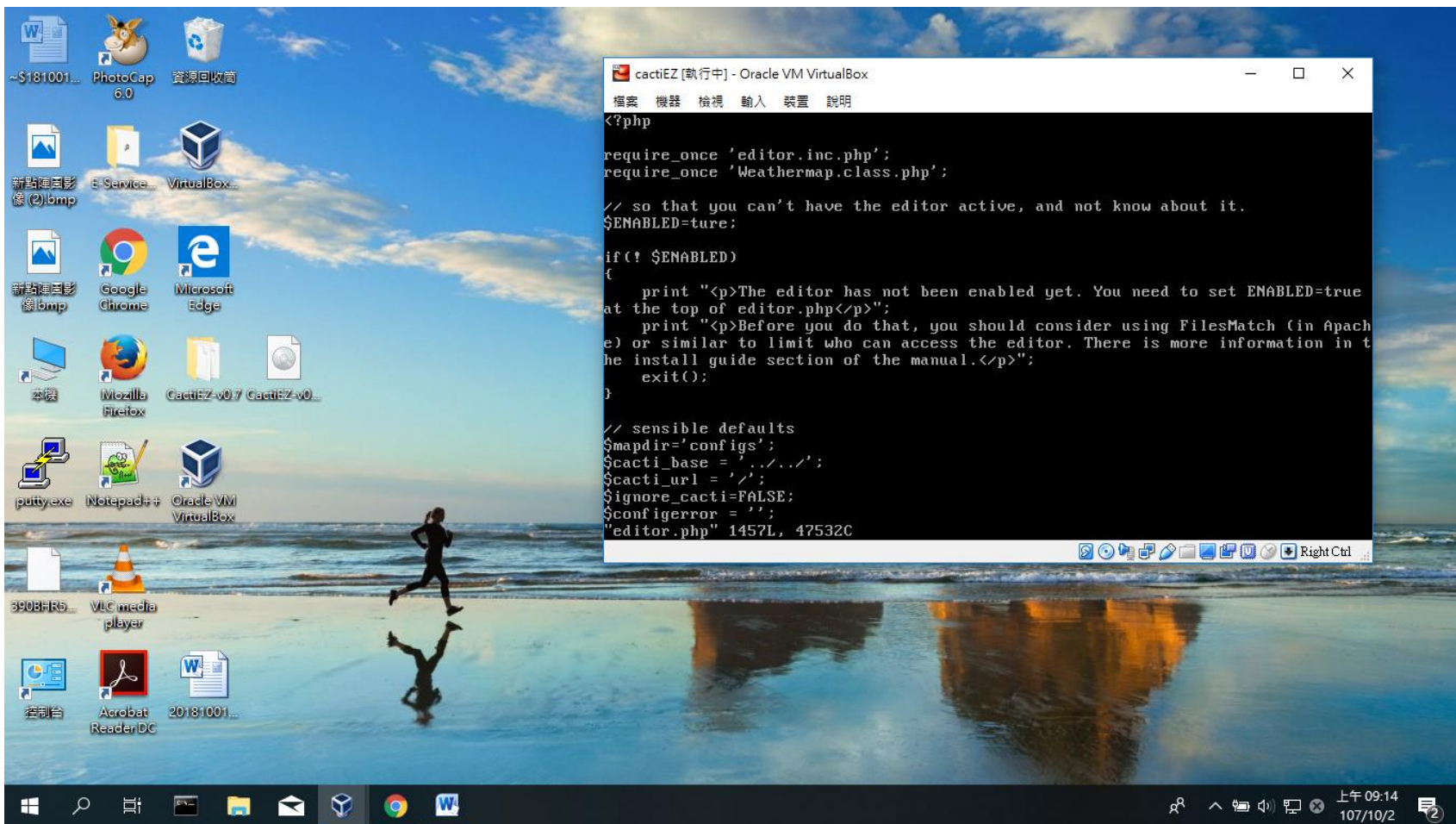
Info

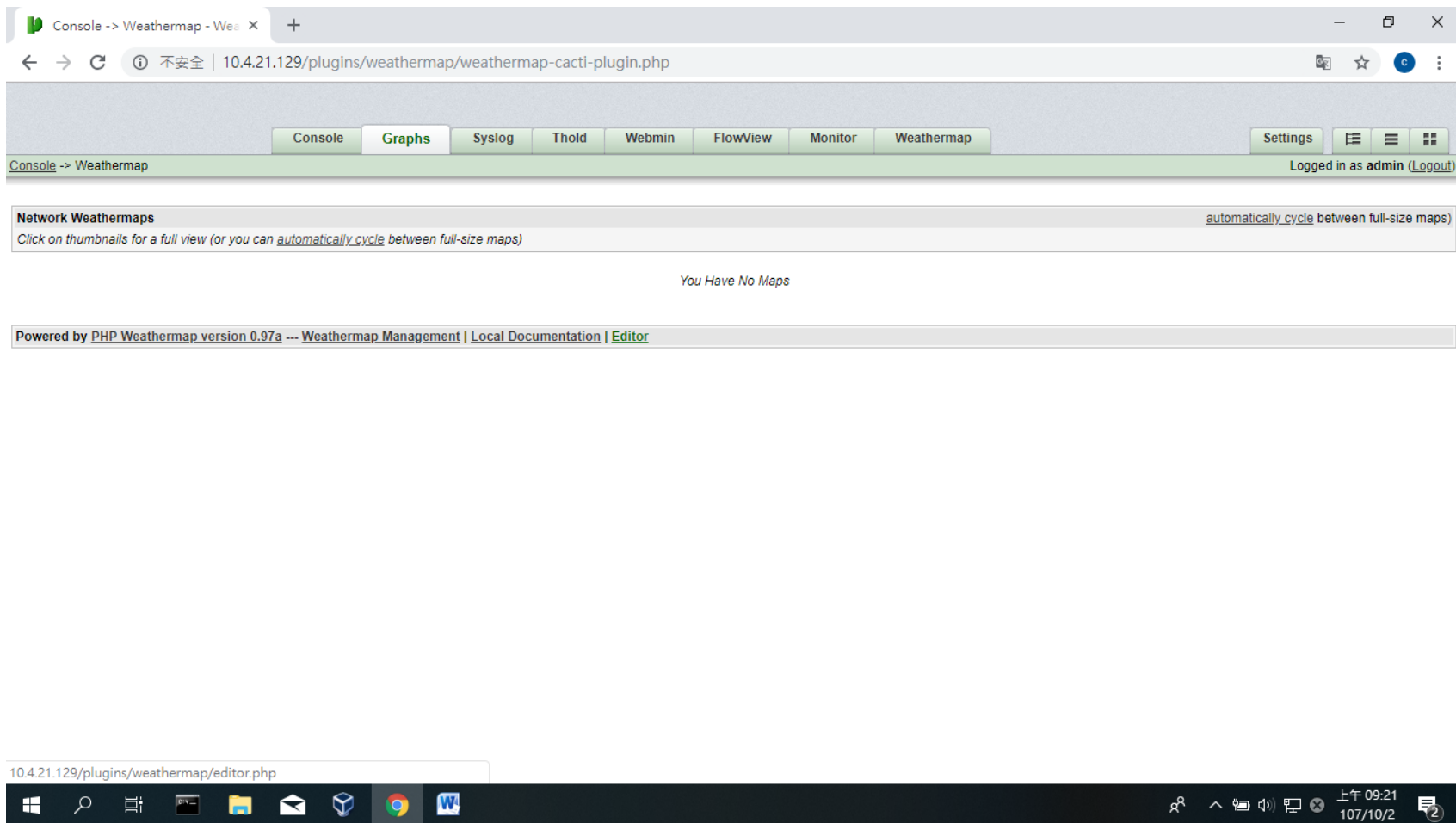
Debug

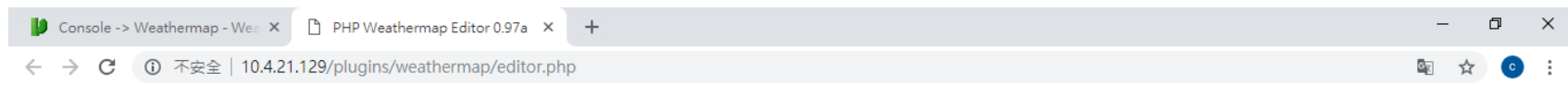












Welcome

Welcome to the PHP Weathermap 0.97a editor.

NOTE: This editor is not finished! There are many features of Weathermap that you will be missing out on if you choose to use the editor only. These include: curves, node offsets, font definitions, colour changing, per-node/per-link settings and image uploading. You CAN use the editor without damaging these features if you added them by hand, however.

Do you want to:

Create A New Map:

Named:

OR

Create A New Map as a copy of an existing map:

Named: based on

OR

Open An Existing Map (looking in configs):

index.php - *(no title)*
simple.conf - *test*

PHP Weathermap 0.97a Copyright © 2005-2010 Howard Jones - howie@thingy.com
The current version should always be [available here](#), along with other related software.
PHP Weathermap is licensed under the GNU Public License, version 2. See COPYING for details. This distribution also includes the Overlib library by Erik Bosrup.



Console -> Weathermap - We... x

PHP Weathermap Editor 0.97a x

+

← → ↻ ⓘ 不安全 | 10.4.21.129/plugins/weathermap/editor.php?mapname=32.231&action=newmap&plug=

Change File

Add Node

Add Link

Position Legend

Position Timestamp

Map Properties

Map Style

Manage Colors

Manage Images

Editor Settings

Position ---, ---

or click a Node or Link to edit it's properties

Notice: Use of undefined constant ture - assumed 'ture' in /var/www/html/plugins/weathermap/editor.php on line 7

Weathermap

Debug: [Do Nothing](#)

mapfile	action	param	param2	debug
32.231				existing

[See config](#)

Windows Taskbar

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Console -> Weathermap - We: xPHP Weathermap Editor 0.97a x

10.4.21.129/plugins/weathermap/editor.php?mapname=32.231&action=newmap&plug=

or click a Node or Link to edit it's properties

Change FileAdd NodeAdd LinkPosition LegendPosition TimestampMap PropertiesMap StyleManage ColorsManage ImagesEditor SettingsPosition---

Notice: Use of undefined constant ture - assumed 'ture' in /var/www/html/plugins/weathermap/editor.php on line 7

Weathermap

Map Properties

Map Title

Network Weathermap

Legend Text

Traffic Load

Timestamp Text

Created: %b %d %Y %H:%M:%S

Default Link Width

7

pixels

Default Link Bandwidth

1000M

bit/sec in, 1000M

bit/sec out

Map Size

800

x

600

pixels

Output Image Filename

Output HTML Filename

Background Image Filename

--NONE--

This is where help appears for maps

Cancel

Submit

param2

debug

existing

See config

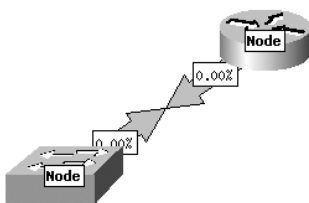
Windows taskbar with icons for File Explorer, Mail, and other applications. System clock shows 上午 09:26 107/10/2.

Console -> Weathermap - Web x PHP Weathermap Editor 0.97a x Google 翻譯 x Web Configurator x +

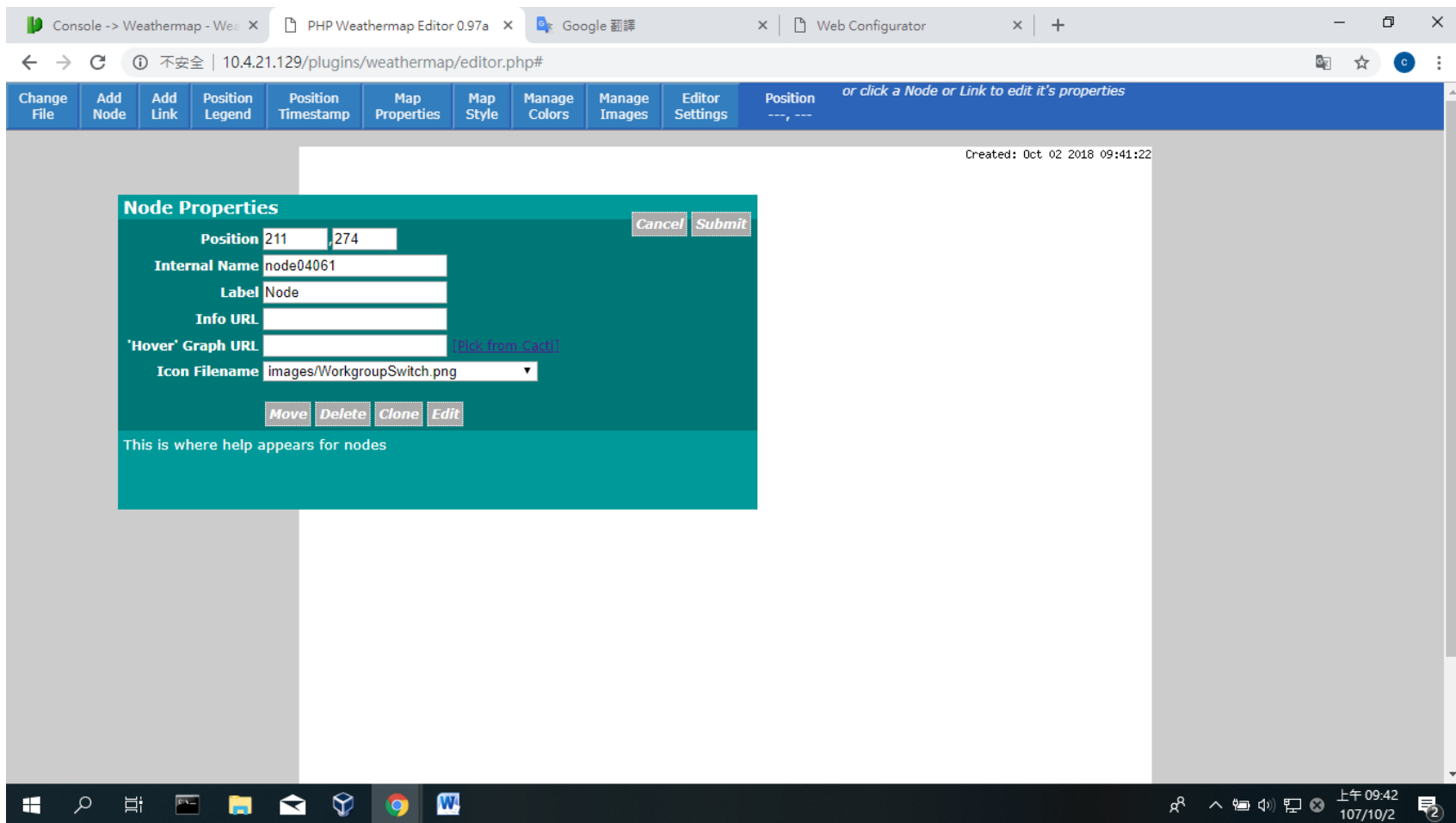
← → ↻ ⓘ 不安全 | 10.4.21.129/plugins/weathermap/editor.php#

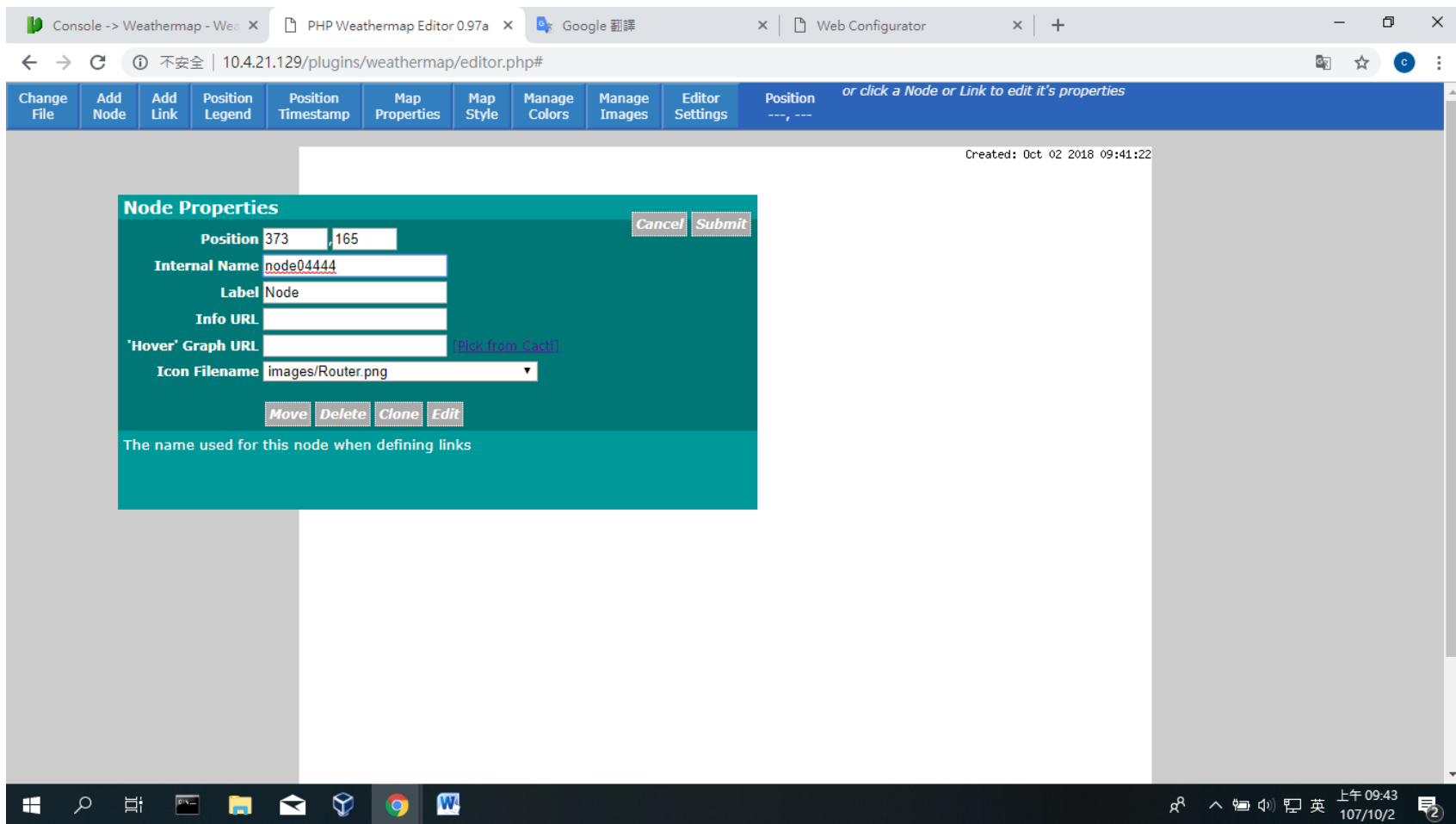
Change File Add Node Add Link Position Legend Position Timestamp Map Properties Map Style Manage Colors Manage Images Editor Settings Position ---, --- or click a Node or Link to edit it's properties

Created: Oct 02 2018 09:41:22



Windows taskbar: 上午 09:43 107/10/2





Console -> Weathermap - Web x PHP Weathermap Editor 0.97a x Google 翻譯 x Web Configurator x +

← → ↻ ⓘ 不安全 | 10.4.21.129/plugins/weathermap/editor.php#

Change File Add Node Add Link Position Legend Position Timestamp Map Properties Map Style Manage Colors Manage Images Editor Settings Position ---, --- or click a Node or Link to edit it's properties

Created: Oct 02 2018 09:41:22

10.4.21.129/plugins/weathermap/editor.php#

Windows taskbar: 上午 09:44 107/10/2

Console -> Weathermap - Web x PHP Weathermap Editor 0.97a x Google 翻譯 x Web Configurator x +

← → ↻ ⓘ 不安全 | 10.4.21.129/plugins/weathermap/editor.php#

Change File Add Node Add Link Position Legend Position Timestamp Map Properties Map Style Manage Colors Manage Images Editor Settings Position ---, --- or click a Node or Link to edit it's properties

Link Properties

Link from 'node04061' to 'node04444' Cancel Submit

Maximum Bandwidth Into 'node04061' 1000M bits/sec

Maximum Bandwidth Out of 'node04061' ☒ Same As 'In' or bits/sec

Data Source /var/www/html/rra/10_32_1_1 (Hot from Cacti)

Link Width 7 pixels

Info URL /graph.php?rra_id=all&local_graph_id=4

'Hover' Graph URL /graph_image.php?local_graph_id=43&r

IN Comment 95% ▼

OUT Comment 5% ▼

Delete Link Edit Vert Horiz Via

This is where help appears for links

Pick a data source - Google Chrome

10.4.21.129/plugins/weathermap/cacti...

- 10.32.1.231 - Traffic - swp21
- 10.32.1.231 - Traffic - swp22
- 10.32.1.231 - Traffic - swp23
- 10.32.1.231 - Traffic - swp24
- 10.32.1.231 - Traffic - swp25
- 10.32.1.231 - Traffic - swp26
- 10.32.1.231 - Traffic - swp27
- localhost - CPU Utilization - CPU0
- localhost - IO Wait
- localhost - Logged in Users
- localhost - Processes
- localhost - Traffic - 10.4.21.129 - eth0
- localhost - Used Space - /
- localhost - Used Space - /boot
- localhost - Used Space - Memory buffers
- localhost - Used Space - Physical memory
- localhost - Used Space - Swap space
- localhost - Used Space - Virtual memory

10.4.21.129/.../cacti-...

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Console -> Weathermap Mana

10.4.21.129/plugins/weathermap/weathermap-cacti-plugin-mgmt.php

ConsoleGraphsSyslogTholdWebminFlowViewMonitorWeathermap

Console -> Weathermap Management

Logged in as admin (Logout)

▼ Create

New Graphs

► Management

► Collection Methods

► Templates

► Import/Export

► Syslog Settings

► Configuration

► Utilities

Weathermaps

Add

Config File	Title	Group	Active	Settings	Sort Order	Accessible By
ALL MAPS	(special settings for all maps)			standard		

Last Completed Run: Tue, 02 Oct 18 09:47:01 +0800: 0 maps were run in 0 seconds with 0 warnings.

edit groupssettings

Local Documentation -- Weathermap Website -- Weathermap Editor -- This is version 0.97a

10.4.21.129/plugins/weathermap/weathermap-cacti-plugin-mgmt.php?action=addmap_picker

Windows Taskbar

System Tray

Console -> Weathermap Mana x Console -> Weathermap Mana x +

← → ↻ ⓘ 不安全 | 10.4.21.129/plugins/weathermap/weathermap-cacti-plugin-mgmt.php?action=addmap_picker

ConsoleGraphsSyslogTholdWebminFlowViewMonitorWeathermap

Console -> Weathermap Management -> Add Map

Logged in as admin (Logout)

▼ Create

New Graphs

► Management

► Collection Methods

► Templates

► Import/Export

► Syslog Settings

► Configuration

► Utilities

Available Weathermap Configuration Files

		Config File	Title
Add	View	.htaccess	(no title)
Add	View	32.231	(no title)
Add	View	simple.conf	test

Some files are not shown because they have already been added. You can [show these files too](#), if you need to.

Windows Taskbar

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Console -> Weathermap Mana x Console -> Weathermap Mana x +

← → ↻ ⓘ 不安全 | 10.4.21.129/plugins/weathermap/weathermap-cacti-plugin-mgmt.php

ConsoleGraphsSyslogTholdWebminFlowViewMonitorWeathermap

Console -> Weathermap ManagementLogged in as admin (Logout)

▼ Create

New Graphs

► Management

► Collection Methods

► Templates

► Import/Export

► Syslog Settings

► Configuration

► Utilities

Weathermaps

Add

Config File	Title	Group	Active	Settings	Sort Order	Accessible By	
ALL MAPS	(special settings for all maps)			standard			
32.231	(no title)	Weathermaps	Yes	standard	↕	admin	✖

Last Completed Run: Tue, 02 Oct 18 09:48:02 +0800: 0 maps were run in 0 seconds with 0 warnings.

edit groupssettings

Local Documentation -- Weathermap Website -- Weathermap Editor -- This is version 0.97a

Windows Taskbar

上午 09:48
107/10/2

Console -> Weathermap Mana x Console -> Weathermap - Wee x +

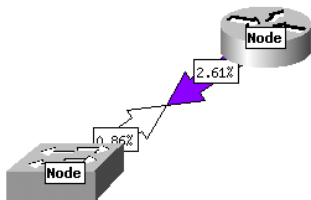
← → ↻ ⓘ 不安全 | 10.4.21.129/plugins/weathermap/weathermap-cacti-plugin.php

Console Graphs Syslog Thold Webmin FlowView Monitor Weathermap Settings

Console -> Weathermap Logged in as admin (Logout)

Network Weathermap automatically cycle between full-size maps

Network Weathermap Created: Oct 02 2018 09:49:01





上午 09:49
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