ระบบโปรแกรม Spicework

ในบทนี้ผู้อ่านจะได้เข้าใจและรู้จักการนำใช้ Network tool ที่ชื่อ Spicework วิธีการติดตั้ง การตรวจอุปกรณ์ที่ เป็นอุปกร์เครือข่าย SNMPการสร้างแผนภูมิเครือข่ายและนอกจากนั้นแล้วยังสามารถแสดงข้อมูลการ active ของ พอร์ตแลนด์แต่ละพอร์ตรวมทั้งประมาณการรับส่งข้อมูลแต่ละพอร์ตนั้นๆด้วย

ขั้นตอนที่1:การดาวโหลดและการติดตั้งระบบโปรแกรม Spicework

- 1.1 ให้ผู้อ่านทำการดาวโหลดและติดตั้งโปรแกรม Spiceworkตามขั้นตอนดังนี้
 - โปรแกรม Spiceworkสามารถดาวโหลดได้ที่http://www.spiceworks.com/



ให้กดเลือกDownload Now

Download Now แล้วรอถ้าจนโปรแกรมทำการ Download สำเร็จ

Inks for downloading Spiceworks! what	s next
Your download should start automatically. If it didn't, restart the download.	
Please wait while Setup is loading unpacking data: 45%	
	SPICEV

โมื่อ Download สำเร็จให้กด setup และต่อจากนั้นเมื่อหน้าต่างโปรแกรม popup ขึ้นมา แล้วให้เปลี่ยน port เป็น 8888 อยู่ในซ่อง Spiceworks will run on port number

Welcome to the Spiceworks setup wiza	rd.
Click 'Next' and take the first step in making your Π day each	asier!
Spiceworks will run on port number: 8888	
	Next > Cancel

โห้กดเลือก I accept these terms of use and privacy policy แล้วกดปลุ่ม Next

T'S EVERYTHING IT	
Press Page Down to see the rest	of the agreement.
Spiceworks Terms of L Last Updated: December 5, 2	Jse ^
Spiceworks Terms of Use Thank you for using the Spice and Conditions of Use (the "T Policy at <u>http://www.spiceworf</u> Policy, together are referred to	eworks service! This page contains the Terms ferms of Use") and a reference to the Privacy ks.com/privacy (the Terms of Use and Privacy o as the "Agreement") governing your use of the
If you accept the terms of the agre agreement to install Spiceworks. (eement, select the first option below. You must accept the Click Next to continue.
I accept these terms of use an I do not accept these terms of	d privacy policy. use and privacy policy.

จากนั้นให้ กด Alsoinstall NMap and WinPCapแล้วกด Next



จากนั้นทำการเลือกc:\Program Files (x86)\Spiceworksที่จะ install ใส่โปรแกรม จากนั้นกด Install

Spiceworks Setup	×
SPICEWORKS" IT'S EVERYTHING IT	
Setup will install Spiceworks in the following folder. To install in a different folder, click Browse and select another folder. Click Install to start the installation.	
Destination Folder C:\Program Files (x86)\Spiceworks Browse]
Space required: 149.6MB Space available: 324.8GB	
< Back Install Can	cel

Your installation is un Spiceworks bundles network inventory, monitoring, a help desk, an online community and more in a single app. The bonus? Our support is absolutely free too! Just email <u>support@spiceworks.com</u> .	nderway.
Installing Dependencies	

ให้รอจนกว่าตัวโปรแกรมจะโหลดเสร็จ

มื่อโปรแกรมโหลดเสร็จ จะขึ้นหน้าต่าง popup ให้เลือกว่าจะ ติดตั้ง Shortcut กับ Launch จากนั้นกด Continue

IT'S EVERYTHING IT	
Success! Spiceworks is	now installed.
Click 'Continue' to start Spicework	s.
Please be patient:	
 It takes a few minutes to Anti-virus software may 	load all of your application components. delay the startup.
Install desktop shortcut	
Launch Spiceworks	

Spiceworks is heating up
Please give us a few minutes to configure all the tools you'll need to simplify your IT day!
We are picking, sorting, and chopping the peppers. Shouldn't be too long.
Need help? Spiceworks support is free! Visit our help pages, email our support learn or ask our community for help.

จากนั้นpopup browser จะขึ้นมาและให้รอจนกว่าจะโหลดเสร็จ

ให้ทำการกรอกรข้อมูลลงทะเบียนเพื่อเข้าใช้งานในระบบแล้วกด Save

SPICEWARKS		
	Personalize this install of Spiceworks. Tell us a bit about yourself.	
	SPICEW(RKS	
	What's your name?	
	Where do you work?	
	KKU	
	Where should we send monitoring and alert emails?	
	a42643/1@trbvm.com	
	Education	
	Save	

ขั้นตอนที่ 2 :การสแกนเครือข่าย SNMP และการสร้างแผนภูมิเครือข่าย

มี่อกรอกข้อมูลเสร็จตามขั้นตอนที 1แล้วรอระบบสแกนเครือข่าย จะพบว่า Spiceworksตรวจพบ อุปกรณ์ที่เป็นอุปกร์เครือข่าย SNMP

Scan Progress 23 / 25	Discovery	Needs Credentials	Inventoried	Profit
Inventoried 1	-	•		
3com baseline 3COM SnmpDevice	Scanning Progress			
				Stop Scan
Login Errors 10	10,199.12.38	10.199.12.22		
10.199.12.254				

จากนั้นกดเข้าไปที่ inventor →NetworkmapSpiceworksจะทำการสร้างแผนภูมิเครือข่าย

	entory/map?source=navbar-s	ubnav		⊽ C ^a S ~ mirror ku	▶ ☆ 自 🖡 1
PICEWORKS	S Community	Inventory Help Desk	Purchasing	چ ⁰ کې	a4264371@trbvm.com *
Dashboard	My Network	Resources		6 Search	٩
My Tools	Scan	How-Tos			
Veeuledge Dage	Devices	Whitepapers		-	PICEWORKS
Knowledge base	Mobile Devices	Script Center			
Network Map	Sottware	Extensions Center			
Reports	Cloud Services	neip			Up your II IQ
Cottings	Troubleshoot				with free
Securitys				SPICEWORK	Spiceworks
Ĩ					training! Learn More ►
0				IN THE COL	training!
Ĩ	Select a N	etwork Map		IN THE CO	training! Learn More >
	Select a N	etwork Map	a	IN THE CO Bettury source	Hraining! Learn More > MMUNITY community profile to customize this
0	Select a N Default Maps	etwork Map	Recent Maps	IN THE CO Satisfy feed	Learn More >
0	Select a N Default Maps Backbons	etwork Map Recommended)	C Recent Maps	IN THE CO Set us your activity feed	training! Learn More MMUNITY Concerns //
0	Select a N Default Maps Backbone (Al Devices (etwork Map Recommended) Map of entire network)	Co Recent Maps	IN THE CO Seture your activity feed Security in Security in Securit	Hraining! Learn More > MMUNITY communit profile to customize this concerns m g emails - worrying new URL tactics: m



จะแสดงแผนภูมิเครือข่าย

ขั้นตอนที่ 3 :การแสดงข้อมูลการ active ของพอร์ตแลนด์แต่ละพอร์ต

มี่อกดเข้าไปยัง SNMP Devices จะพบว่า Spiceworks จะแสดงค่าข้อมูลต่างๆ เช่น ยี่ห้อ รุ่น mac address

	Community Inventory	Help Desk Purchasing		
		<u></u>		
Got end users? Spicework	s has an app for that.			
3com	baseline switch			
3COM / 3	3CRBSG2893		View Network Map	
#920FBIN	IFD/018			
2 SCON	Corporation.			
	Configuration Interfaces Viana Note	-		
Timeline General Info	configuration interfaces vians note	es Documents		
Timeline General Info Manufacturer:	3COM	Model:	3CRBSG2893	
Timeline General Info Manufacturer: Description:	3COM 3Com Baseline Switch 2928-SFP Plus	Model: Software Version 5.20 RELEASE 1101 Co	3CRBSG2893	
Timeline General Info Manufacturer: Description: Owner:	3COM 3Com Baseline Switch 2928-SFP Plus 3Com Corporation.	Model: Software Version 5.20 RELEASE 1101 Co Serial Number:	3CRBSG2893 ppyrig 926FBINFD7018	
Timeline General Info Manufacturer: Description: Owner: Device Type:	<u>3COM</u> <u>3Com Baseline Switch 2928-SFP Plus <u>3Com Corporation.</u> Switch </u>	s Documents Model: Software Version 5.20 RELEASE 1101 Co Serial Number: Asset Tag:	<u>3CRBSG2893</u> pyrig 926FBINFD7018	
Timeline General Info Manufacturer: Description: Owner: Device Type: Purchase Price: Owner:	3COM 3Com Baseline Switch 2928-SFP Plus 3Com Corporation. Switch	Model: Software Version 5.20 RELEASE 1101 Co Serial Number: Asset Tag: Location:	3CRBSG2893 ppyrig 926FBINFD7018 Marlborough_MA.01752.USA	
Timeline General Info Manufacturer: Description: Owner: Device Type: Purchase Price: Purchase Date:	3COM 3Com Baseline Switch 2928-SFP Plus 3Com Corporation Switch	Model: Software Version 5.20 RELEASE 1101 Co Serial Number: Asset Tag: Location: Last Updated Time:	3CRBSG2893 pyyrig 926FBINFD7018 Marlborough, MA 01752 USA 2014-10-02 @ 07:52 pm	
Timeline General Info Manufacturer: Description: Owner: Device Type: Purchase Price: Purchase Date: Last Configuration Change:	3COM Baseline Switch 2928-SFP Plus 3Com Baseline Switch 2928-SFP Plus 3Com Corporation Switch	Model: Software Version 5.20 RELEASE 1101 Co Serial Number: Asset Tag: Location: Last Updated Time: Last Scan Time:	<u>3CRBSG2893</u> ppyrig 926FBINFD7018 <u>Marlborough. MA 01752 USA</u> 2014-10-02 @ 07:52 pm 2014-10-02 @ 07:52 pm	
Timeline General Info Manufacturer: Description: Description: Owner: Device Type: Purchase Price: Purchase Price: Last Configuration Change: MAC Address: MAC Address:	Comparation Interfaces Values Note 3Com Baseline Switch 2928-SFP Plus 3Com Corporation Switch 3Witch 00:22:57:FD:70:19 Notestation Switch	Model: Software Version 5:20 RELEASE 1101 Co Serial Number: Asset Tag: Location: Last Updated Time: Last Scan Time:	3CRBSG2893 ppyrig 926FBINFD7018 <u>Mariborough MA 01752 USA</u> 2014-10-02 @ 07:52 pm 2014-10-02 @ 07:52 pm	
Timeline General Info Manufacturer: Description: Description: Owner: Device Type: Purchase Price: Purchase Price: Last Configuration Change: MAC Address: Groups:	Comparation Interfaces Values Note 3Com Baseline Switch 2928-SFP Plus 3Com Corporation. Switch Switch 00:22:57:FD:70:19 Networking	Model: Software Version 5.20 RELEASE 1101 Co Serial Number: Asset Tag: Location: Last Updated Time: Last Scan Time:	3CRBSG2893 ppyrig 926FBINFD7018 Marlborough, MA 01752 USA 2014-10-02 @ 07:52 pm 2014-10-02 @ 07:52 pm	
Timeline General Info Manufacturer: Description: Owner: Device Type: Purchase Price: Purchase Price: Purchase Date: Last Configuration Change: MAC Address: Groups: Warranty Information	Scom Switch 2928-SFP Plus 3Com Baseline Switch 2928-SFP Plus 3Com Corporation, Switch 00:22:57:FD:70:19 Networking Networking	Model: Software Version 5.20 RELEASE 1101 Co Serial Number: Asset Tag: Location: Last Updated Time: Last Scan Time:	3CRBSG2893 9pyrig 926FBINFD7018 <u>Marlborough. MA 01752 USA</u> 2014-10-02 @ 07:52 pm 2014-10-02 @ 07:52 pm	

สามารถแสดงข้อมูลการ active ของพอร์ตแลนด์แต่ละพอร์ตรวมทั้งประมาณการรับส่งข้อมูลแต่ละพอร์ต นั้นๆด้วย

	RKS	Co	mmunity		nventory	н	elp De	sk	Pur	chasing				
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								c						
Got end users	? Spiceworks	has an a	app for the	<u>at.</u>										
	3com 3COM / 3 #926FBIN	basel CRBSG	line s\ 2893	witch									Langle 10.199.12.10 View Network Map	
	2 3Com	Corporat	tion.											
Timeline Ge	eneral Info	Configura	ation In	terfaces	Vlans	Notes	Docun	nents						
Quick find:														
Interface	T	harden finne	Clashi		410145	2 b				0	(Dec)		nin Status	Op Status
GigabitEtherne	Traffic Ana	lysis for	Gigabit	Ethernet	1/0/15 01	Scom D	asenn	ie swit	cn			°		down
		tion more	last upda	ated 4 mir	nutes ago	and '3cor	m base	eline sv	vitch' h	as been u	p for 11	days.		-
GigabitEtherne	These statis	ucs were												down
GigabitEtherne GigabitEtherne	These statis	ucs were		Prev	vious 30 H	ours (15 i	ninute	slices)			_		down down
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ภาพแสดงการเชื่อมต่อจากเครื่องคอมพิวเตอร์เข้าไปยังพอร์ตต่างๆของ สวิตที่รองรับ SNMP

SPICEWOR		nmunity	Invento	ory	Help Desk	Purchasing			
	COM / 3CRBSG2 926FBINFD7018 3Com Corpora	tion.						10.199.12.10 View Network Map	
Timeline Genera	al Info Configurat	on Interfaces	Vlans	Notes	Documents				
Quick find:									
VLan	Port				IP Address		MAC Addr	ess	Str
VLAN 0001	GigabitEthe	rnet1/0/15			10.199.12.12		00:21:5a:ea	:a5:bd	lea
VLAN 0001	GigabitEthe	rnet1/0/15			10.199.12.23		00:21:5a:ea	:a6:d6	lea
VLAN 0001	GigabitEthe	rnet1/0/15			testbase2-pc		00:21:5a:ea	:a7:0d	lea
VLAN 0001	GigabitEthe	rnet1/0/15			10.199.12.13		00:24:7e:0a	:61:f0	lea
VLAN 0001	GigabitEthe	GigabitEthernet1/0/15			10.199.12.33		1c:e6:c7:c2	:f9:40	lea
VLAN 0001	GigabitEthe	rnet1/0/15			peera		20:cf:30:b5	2e:ea	lea
VLAN 0001	GigabitEthe	rnet1/0/15			computer-pc		2c:41:38:99	:38:28	lea
VLAN 0001	GigabitEthe	rnet1/0/15			10.199.12.28		40:61:86:e6	:97:06	lea
VLAN 0001	GigabitEthe	rnet1/0/15			10.199.12.27		40:61:86:e7	:ef:bb	lea
VLAN 0001	GigabitEthe	rnet1/0/15			phani-pc		40:61:86:e7	:f0:04	lea
VLAN 0001	GigabitEthe	rnet1/0/15			pom-pc		40:61:86:e7	:f0:3d	lea
VLAN 0001	GigabitEthe	rnet1/0/15			comdet-server		50:e5:49:ee	:e0:b8	lea
VLAN 0001	GigabitEthe	rnet1/0/15					58:bf:ea:88	2b:28	lea
VLAN 0001	GigabitEthe	rnet1/0/15			dell7010-pc		90:b1:1c:9c	:c2:37	lea
VLAN 0001	GigabitEthe	rnet1/0/15					90:b1:1c:9c	:c5:d2	lea
VLAN 0001	GigabitEthe	GigabitEthernet1/0/15			pc02-041		90:b1:1c:a0	:0a:80	lea
VLAN 0001	GigabitEthe	rnet1/0/15			nimshi-pc		b8:88:e3:3f	10:18	lea
VLAN 0001	GigabitEthe	rnet1/0/15			10.199.12.41		b8:ca:3a:a8	:2d:8e	lea
VLAN 0001	GigabitEthernet1/0/15				comsc 06-pc		b8:ca:3a:a8	:32:84	lea
VLAN 0001	GigabitEthe	rnet1/0/15			bb kku-pc		b8:ca:3a:a8	:32:89	lea
VLAN 0001	GigabitEthe	rnet1/0/15			computer-pc		c4:34:6b:55	:f6:e7	lea

SPICEW/RKS	Community	Inventory	Help Desk	Purchasing	š		
What cloud services	is this device connecting	to? Run a Cloud	Services Scanne	r on it to find out.		Get Starte	d
Acer / #53722	ni-pc Veriton M480G 12 Ni		Intel Core2 Quad Windows 7 Ultim 4 GB (slots em) Find Parts and Ac	Q8400 2.66Gł ate, SP 1.0 oty) ccessories		Usew Network Map	
Timeline Events Ge	neral Info Configuratio	n Software N	etwork Shares	Cloud Services	Notes	Documents	
Manufacturer:	Acer			Model:		Veriton M480G	
Description:	AT/AT COMPATIBLE					507000	
Owner:	PhaNi			Serial Number:		537222	
Purchase Price:	Desklop			Location:			
Purchase Date:				Last Updated Ti	me:	2014-10-02 @ 07:54 pm	
MAC Address:	40:61:86:E7:F0:04			Last Scan Time:		2014-10-02 @ 07:54 pm	
Groups:	Workstations						
Alerts							
Detected a new cons	nection to cloud service	Microsoft Exchange	e Online 8 minute	s ago			
Warranty Information							
			<i>phani-pc</i> has no	warranties.			

Spiceworkรสามารถแสดงข้อมูลรายละเอียดของคอมพิวเตอร์เครื่องลูกที่มาเกาะยังSMNP switchได้

สรุป

ในบทนี้ได้อธิบายวิธีการติดตั้ง การตรวจอุปกรณ์ที่เป็นอุปกร์เครือข่าย SNMPการสร้างแผนภูมิเครือข่าย และการแสดงข้อมูลการ active ของพอร์ตแลนด์แต่ละพอร์ตใน โปรแกรม Spiceworkสามารนำไปใช้ได้จรีงกับ ระบบเครือข่ายได้

Network Tool:Spicework 11