

System Center (Linux Endpoint Protection)

Microsoft Corporation

: 10/26/2015

mpgfeed@microsoft.com

Operations Manager

_(http://go.microsoft.com/fwlink/?LinkID=82105)

SCEP	3
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SCEP	10
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Manager	SCEP(System SCE	Center Endpoint P	Protection)	Syste Operations I	Manager .			
System Ce 2012 Opera 가	nter 2012 Operatic tions Manager	ns Manager Linux	가	SCEP	.System Center			
	SCEP	4.5.10.1						

4.5.9.1	05/16/2012			
4.5.10.1	11/06/2012	Linux	가	

4.5.10.1

System Center Endpoint Protection 4.5.10.1

- Linux :
 - Red Hat Enterprise Linux Server 5
 - SUSE Linux Enterprise 10
 - CentOS 5, 6

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- Debian Linux 5, 6
- Ubuntu Linux 10.04, 12.04
- Oracle Linux 5, 6

System Center 2012 Operations Manager Service Pack 1

- 가:
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<u>Operations Manager 2007 R2</u> (http://technet.microsoft.com/ko-kr/library/ bb309428.aspx)

System Center 2012 Operations Manager 2007 R2

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x86x64Red Hat Enterprise Linux Server 5, 6SUSE Linux Enterprise 10, 11CentOS 5, 6Debian Linux 5, 6Ubuntu Linux 10.04, 12.04Oracle Linux 5, 6

System Center Operations Manager 2007 R2 5

(http://support.microsoft.com/kb/2449679)

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SCEP

System Center 2012 Operations Manager 2007 R2

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ID		
Microsoft.Linux.Library	Linux	6.1.7000.256
Microsoft.SystemCenter.InstanceGroup.Library		6.1.7221.0
Microsoft.SystemCenter.Library	System Center	6.1.7221.0
Microsoft.SystemCenter.WSManagement.Library	WS-Management	6.1.7221.0
Microsoft.SystemCenter.DataWarehouse.Library		6.1.7221.0
Microsoft.Unix.Library	Unix	6.1.7000.256
Microsoft.Unix.Service.Library	Unix	6.1.7221.0
Microsoft.Windows.Library	Windows	6.1.7221.0
System.Health.Library		6.1.7221.0
System.Library		6.1.7221.0

:	/etc/opt/microsoft/scep/scep.cfg	SCEP	Sy	stem
Center 2012 Operations Manager	Linux SCEP			
'scom_enabled'	가 'scom_enabled = yes'		>	>
> SCOM				

SCEP

Microsoft.SCEP.Linux.Library.mp		,	
Microsoft.SCEP.Linux.Application.mp	7		

SCEP

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Operations Manager 가

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Administration	Management Packs (63)					
👙 Administration	Q Look for:					
Device Management Groups	Name					
Agent Managed	Note: The second					
Agentless Managed	🍓 Baselining Tasks Library					
Retwork Devices	🍓 Client Monitoring Internal Library					
Pending Management	🍓 Client Monitoring Library					
Unix/Linux Servers Management Packs	🏘 Client Monitoring Overrides Management Pack					
No 🛒 Discovery Wizard	🍇 Client Monitoring Views Library					
Create Management Pack	🍓 Data Warehouse Library					
	🏘 Default Management Pack					
Pri Topart Management Dacks	🍓 Distributed Application Designer Library					
	🍓 Health Internal Library					
New User Role 🕨 🕨	🍓 Health Library					

 Management Packs Packs Add Operations Manager Connection (Mic Install 	Administration • • • • • • • • • • •	Add from disk plication.mp Microsoft.SCE	Import M (O P.Linux.Library.mp)	/anagement nline Catalog
: 가		Operations Manager 2007	가	(http://
*.mp フト Network Devices Pending Management Unix/Linux Servers Management Packs	Discovery Method Certificate Status Select Computers to Manage	Define discovery criteria Click Add to add a computer or an IP add	iress range. Select a list entry to c	hange or remove it.
	Summary			/ Edit XRemove
Subscribers Subscriptions Product Connectors Internal Connectors Run As Configuration Accounts Security Security Security Security Security Security Security Security Security	Define di Define This info run com Disco O IP O Di C Di C Ad Crede User Passi	Discovery Scope scovery criteria discovery criteria ormation is used by Operations Manager 2007 mands on them. very scope address: NS name: ddress range: 10 . 1 . 121. 13 - 10 . ntials mame: root word:	SSH Port Credentials to discover computers and to 1 . 121. 16	
Discovery Wizard	Confi	rm password:		peration. The system. Only do this
Monitoring	Root	password:		

Secure Shell (SSH) Discovery wizard... 1. Administration 2. Unix/Linux computers Next 3. Add System Center 2012 Operations Manager 가 SSH 4. IP Address range Credentials . 5. **OK** Discover 6. / : Linux Linux Linux Microsoft (http://technet.microsoft.com/ko-kr/library/dd789016.aspx) . : SCEP가 Linux **Operations Manager** Linux 8 Linux 가 (). Linux Linux 가)). "scep_daemon" ((가) SCEP (8 .SCEP (SCEP가 가) ,

Authoring

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Unix . 1. Administration **Run As Configuration > Accounts** 2. Actions ... **Basic Authentication** 3. Run As Account type 가 Run As Configuration > 4. **Unix Privileged Account** Properties Profiles

Management Packs	🍇 Connec	cted Management Group Account	This pro	ofile determines which c	redentials are us	sed to test connectivity
Notifications	& Data W	Varehouse Account	If speci	fied, this account is use	ed to run all Data	Warehouse collection
Channels Channels Subscribers Product Connectors Connectors Connectors Run As Configuration	🕵 Run As Profile Wizard	ounts				MA
Accounts Accounts Profiles Security User Roles Settings	Introduction General Properties Run As Accounts Completion	Add Run As accounts Add a Run As account to this groups, or objects. Run As accounts:	Run As prof	ile. Additional Run As	accounts can be	e added to manage spe of Add 🧷 Ed
		Account Name A	ssociation	Used For	Class	Path
			lass	All targeted objects	Entity	

System Center 2012 Operations Manager 2007 R2 (http://technet.microsoft.com/ko-kr/library/dd788981.aspx)

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Monitoring > System Center Endpoint Protection Linux > SCEP7

.System Center 2012

Linux

SCEP

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Microsoft.SCEP.Linux.Application.LNG.mp, Microsoft.SCEP.Linux.Library.LNG.mp

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Operations Manager

- 1. Windows
- 2. **가**
- 3.

SCEP

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Operations ManagerSCEP7. "SystemCenter Endpoint Protection Linux".

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System Center 2012 Operations Manager SCEP SCEP

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 Operations Manager
 Monitoring > System Center Endpoint

 Protection Linux > SCEP?
 SCEP

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\odot	Healthy										,	가	-	가	
	Warning					가									
8	Critical						;	가							
0	Not monitored								가						

Operations Manager

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(http://technet.microsoft.com/ko-kr/library/bb437275.aspx)

Operations Ma	nager 2007		가	가
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: Manager F	-1	Operations Manager 2007 R2 가).	(System Cente	r 2012 Operations

Monitoring	SCEP가 실	경치된 서버 ⑶	-	_			Actions
Monitoring	Q Look for:		Find N	low Clear		х	State Actions
 Unix/Linux Servers Agentless Exception Monitoring	State V Warning Warning Warning	Name zavadsky-rhel6-x64 zavadsky-sles11sp1-x86 zavadsky-rhel6-x86	() () () () () () () () () () () () () (안티맬웨어 엔진 Healthy Healthy Healthy	 ◇ 만티맬웨어 활동 ◇ Healthy ◇ Healthy ◇ Healthy 	 ◇ 만티맬웨머 정의 ◇ Healthy ◇ Not monitored ◇ Healthy 	Health Explorer for: -rhel6-x64 Start Maintenance M Edit Maintenance M Settings
 ☑ Synthetic Transaction ☑ System Center Endpoint Protection Linux ISCEP가 설치되지 않은 서버 ISCEP가 설치된 서버 ISCEP가 설치된 서버 의 대시보드 프 TOL AFU 	Reset He	plorer for zavadsky-rhel6-x64 alth 🚟 Recalculate Health 😰 🕋 Pro as 🗸	operties	Help Knowledge State	Change Events (1)		
중 작업 상태 출 활성 경고 Unix/Linux Servers ☐ 2000 Logical Disk State How of k Adapter State Network Adapter State Network State Physical Disk State Red Hat Computers Diagram 중 Red Hat Computers Diagram		Ins for zavadsky-melb-x64 Health - zavadsky-thel6x64 (Entity) wailability - zavadsky-thel6x64 (Entity) configuration - zavadsky-thel6x64 (Entity) configuration - zavadsky-thel6x64 (Entity) configuration - zavadsky-thel6x64 (Entity) Linux용 System Center Endpoint Protect ▲ Linux용 System Center Endpoint Protect ▲ Linux용 XIII 중 - zavadsky-thel6x64 □ 다지막검사 기준 - zavadsky-thel6x64 □ 다지막검사 기준 - zavadsky-thel6x64 □ 다지막검사 기준 - zavadsky-thel6x64	tion - 16-x64 6-x64 (보호	Time 2011-11-22 오전 6	V From 02	To	Operational State (f)
Image: Subsection of the section o		 ○ 안티벌웨어 서비스 모니터링 - zavi ○ 안티벌웨어 엔진 모니터링 - zavi ○ 안티벌웨어 정의 기간 - zavadsky ○ 활성 벌웨어 - zavadsky-thel6x64 	avadsi adsky- /-rhel6 (보호	Details Context: Date and Time Property Name Status	2011-11-22 Property V 1 event=penc	오전 6:02:21 /alue iing restart, date=2011	-11-11T09:40:10,
Show or Hide Views New View > Monitoring				OutData Additional Red Recovery Task 편 복구 2	status=no; 11T09:40:1 sovery Options: s: 작업 다시 시작 대기 중	2, status=yes;	date=2011-11-

Linux
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 Linux

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 : /opt/microsoft/scep/sbin/scep_daemon -

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scep_daemon .
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가 : /opt/microsoft/scep/sbin/scep_daemon
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scep_daemon --status

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Linux System Center Endpoint Protection

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SCEP 7 Linux

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Properties

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State V	Name		🕢 안티맬웨어 엔진
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🔥 Warning 💙			Healthy
🔥 Warning	Maintenance Mode	•	 Healthy
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<u></u>	Properties		

Linux

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ect Properties		
💵 보호된 Linux 서비 prope	erties of zavadsky-rhel6-x64	
Name Path	zavadsky-rhel6-x64 zavadsky-rhel6-x64	
컴퓨터 ID	zavadsky-rhel6-x64	
클라이언트 버전	4.5.3	
컴퓨터 작동 시간	18 days	
안티맬웨어 서비스	Running	
실시간 보호	Enabled	
안티바이러스 정의 버전	6651 (20111122)	
안티바이러스 정의 생성(GMT)	2011-11-22 오후 1:44:11	
안티바이러스 정의 기간(일 수) 0	
마지막 빠른 검사(GMT)		
마지막 빠른 검사 기간(일수)		
마지막 전체 검사(GMT)		
마지만 저체 건사 기가(익스)		
정의 다운로드 위치		
Pending Restart	Yes	
Display Name	zavadsky-rhel6-x64	
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.Operations Manager 기 Monitoring > System Center Endpoint Protection Linux >

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System Center Endpoint Protection 가	300			SCEP(scep_daemon) 가 , SCEP .

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 SSH
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Monitoring	> System	Center	Endpoint	Protection	Linux >	> SCEP가
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보호된 Linux 서비 Tasks 🔺				
📑 SCEP 서비스 다시 시작				
📑 SCEP 서비스 시작				
📑 SCEP 서비스 중지				
📑 SCEP 정의 업데이트				
📑 검사 중지				
📑 끝점 설정 검색				
다 빠른 검사				
L] 실시간 보호 비활성화				
니를 열시간 보오 활성화 TT 아티HUI러스 보호 비화				
성화				
안티바이러스 보호 활성 화				
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•	Linux		•	•
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Linux				

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Operations Manager

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 SSHD
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 System

 Center 2012 Operations
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 Run As Account(Operations Manager
 Administration > Run

 As Configuration
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 Basic Authentication
 Linux

Unix Privileged Account	Unix		
Unix Action Accoun	.t		
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sudo			sudo
Linux SCEP가	/etc/sudo	ers	
user1 .			
# # User configuration for SCEP m	onitoring - for a use	r with the name: u	userl
USERI ALL=(root) NOPASSWD:	/opt/microsoit/scx /bin/sh_c_/sbin/r	/bin/scxlogiilerea	ader -p
USERI ALL=(root) NOPASSWD:	/bin/sh -c CONSOLE	TYPE=serial /etc/	init d/scen restart
USERI ALL-(root) NOPASSWD:	/bin/sh =c CONSOLE	TVDE-cerial /etc/:	init d/scep start
useri ALL-(1000) NOPASSWD:	/bin/sh _c CONSOLE	TYPE-serial /etc/:	init d/ggop gtop
useri ALL-(root) NOPASSWD:	/bin/sh = c consolr	INC-C:if \[o /	ant (migrogoft (ggon (gbin (
agen deemen \] : then each agen	/bin/sh -c export	$\frac{1}{1} = \frac{1}{1} = \frac{1}$	opt/microsoft/scep/sbin/
Scep_daemon (]; then echo scep	_daemon installed, ei	se echo scep_daemo	O)] : then ashe seen deemen
cat /var/run/scep_daemon.pid 2	>/dev/hull 2>/dev/hu		0 \]; then echo scep_daemon
running; else echo scep_daemon	stop; []; /opt/micros	oit/scep/sbin/scep	o_daemonstatus; uptime
userl ALL=(root) NOPASSWD:	/bin/sh -c /opt/mi	crosoft/scep/sbin,	/scep_daemon *
userI ALL=(root) NOPASSWD:	/bin/sh -c /opt/mi	crosoft/scep/lib/:	scep_sc1scom *
user1 ALL=(root) NOPASSWD:	/bin/sh -c pkill s	cep_sci	
userl ALL=(root) NOPASSWD:	/bin/sh -c export	LANG=C; kill -0 `o	cat /var/run/scep_daemon.pid 2>/
<pre>dev/null` 2>/dev/null; if \[\$?</pre>	$-eq 0 \mid];$ then echo	scep_daemon runni	ing; else echo scep_daemon
<pre>stop;fi ; /opt/microsoft/scep/s</pre>	bin/scep_daemonsta	tus; uptime	
# End user configuration for SC	EP monitoring		
#			
가		가	
가 가			가
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	Authorin	g	M OV,	lanage errides	ment Pack Object
	🖬 💥 Performance	Aggregate Rollup	Entity	Health Lit	🐔 Overrides 🕨
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25	🥎 SCEP Linux 컴퓨터 역할 상태 롤업	Dependency Rollup	Linux Computer	System C	Paraurrar
evel Tracking	□ 보호된 Linux 서비				Custor Castor Cast
	Entity Health	Aggregate Rollup	Entity	Health Lit	Manager Help
	Availability	Aggregate Rollup	Entity	Health Lit	System Center Ope
	Configuration	Aggregate Rollup	Entity	Health Lit	Manager Online
	E SPerformance	Aggregate Rollup	Entity	Health Lit	Help
		Aggregate Rollup	Entity	Health Lit	About Monitors
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	Create a Monitor	SCEP LINUX ±L[L]	(Not inherited)	System C	low to Create a Ur
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	이 안티멜웨 등 이미하네요.		(Not inherited)	System C	How to Create an A
	O 안티맬웨 Overrides Summary	Disable the Monitor			Rollup Monitor
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	Refresh F5	Override Diag <u>n</u> ostic	Eor all object	te of another class	
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SCEP	/var/log/scep/ eventlog_scom.log	System Center 2012 Operations Manager 가 . 가
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Overrid	e Propertie	25					×
Monitor Catego Overric	name: ry: les target:	마지막 a Security Class: 보	검사 기간 Health 호된 Linux 서버				
<u>Overric</u>	le-controlle	d parameters:				S	ho <u>w</u> Monitor Properties
	Override	Parameter Name	Parameter Type	Default Value	Override Value	Effective Value	Change Status
		Alert On State	Enumeration	The monitor	The monitor is	The monitor is	[No change]
		Alert Priority	Enumeration	Low	Low	Low	[No change]
		Alert severity	Enumeration	Critical	Critical	Critical	[No change]
		Auto-Resolve Alert	Boolean	False	False	False	[No change]
		Enabled	Boolean	True	True	True	[No change]
		Generates Alert	Boolean	False	False	False	[No change]
+	V	검출 간격	Integer	28800	28800 ÷	28800	[Added]
		최대 검사 기간	Integer	7	7	7	[No change]

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(http://technet.microsoft.com/ko-ki/library/cc9/44	94.aspx)			
(http://go.microsoft.com/fwlink/?LinkID=117777)				
Operations Manager 2007	45			
(http://technet.microsoft.com/ko-ki/library/bb30944	45.aspx)			
(http://technet.microsoft.com/ko-kr/library/dd78898	81.aspx)			
(http://technet.microsoft.com/ko-kr/library/dd89120	02.aspx)			
(http://technet.microsoft.com/ko-kr/library/cc97448	87.aspx)			
(http://technet.microsoft.com/ko-kr/library/cc97448	89.aspx)			
(http://technet.microsoft.com/ko-kr/library/bb4372	75.aspx)			
SCOM 2007 R2 Linux				
(http://blogs.technet.com/b/birojitn/archive/2010/0	1/20/monitoring-lin	ux-using-sco	om-2007-r2.aspx)	
	16.aspx)			
System Center 2012 UNIX Linux	sudo	-0	perations Manager	
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System Center 2012 UNIX Linux (http://social.technet.microsoft.com/wiki/contents/ with-system-center-2012-operations-manager.asp> perations Manager cial.technet.microsoft.com/Forums/ko-kr/category	sudo /articles/7375.conf x) <u>System Ce</u> i/systemcenterope	-O iguring-sudo- nter Operatio erationsmana	perations Manager -elevation-for-unix-and ons Manager ger)	d-linux-monitorin (http://
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