How to fix firmware in SanerNow?

SanerNow, along with security and non-security patches, also fixes the firmware in Windows. Let us look at how SanerNow will fix the firmware.

1. Go to the **Patch management** dashboard in SanerNow.

Sanernow Managing SiteX.Sec	Pod 🗸	•			Q Tue Jul 19 10:53:	01 AM 🔘 🎍 Priyanka I	Hiremath 🗸
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2486 W	Inerabilities	318 Par	ches		4	Devices	1
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Host Name IT	Operating System	11 Group 11	Patch II	Size IT	Risk IF	Status	
🧔 qa-ubuntux64-14	Ubuntu v18.04 architecture x86_64	new_group5	235 patches 🔶	248.4 MIB	1867	무 프 🍁 🕈	
sp-oval-ubuntu-21.10	Ubuntu v21.10 architecture x86_64	new_group5	77 patches 🔶	283.3 MIB	437	₽ ⊞ 👍 🗢	
tr-win10-pro-34.trs.secpod	Microsoft Windows 10 v21H2 architecture AMD64	Win10	4 patches 🗣	273.5 MiB	157	🖵 🗮 🍓 🗢	
₩ sp-centos-7-x64	CentOS v7.8 architecture x86_64	centos	2 patches 🔶	0 B	25	🖵 🎟 👍 👱	
🔹 secpods-mac.local	Apple Mac OS X v10.12 architecture x86_64	mac os	•	0 B	0	🖵 🕮 👍 🗢	

2. Click on Firmware.

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	₩ sp-centos-7-x64	CentOS v7.8 architecture x86_64		centos	2 patches 🕹		08		25		₽ =		0
	secpods-mac.local	Apple Mac OS X v10.12 architecture x86_64		mac os			0 B		0		Q H	4 🕈	

3. You will be displayed with the list of firmware updates, assets, vendor, hostname, and patch details.

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Ψ.	Firmware	C Source : All Groups									٩	CSV 🕈
•		Asset	h Patch		Vendor		Date			IT H	osts	
▲	0	ATA Channel 0	pkd:PCIIDE\IDECHANNEL)4639EC5D8A6060	0	microsoft		2022-03-29 06:	35:53 AM UTC		1		
	0	ATA Channel 1	pid:PCIIDE\IDECHANINEU;4639EC5D8A6061	0	microsoft		2022-03-29 06:	35:53 AM UTC		1		
œ		Communications Port (CON1)	pid:ACPI/PNP0503\3	0	microsoft		2022-03-29 06:	15:53 AM UTC		1		
		Communications Port (COM2)	pidtACPI/PNP0001/2	0	microsoft		2022-03-29 06:	35:53 AM UTC		1		
	0	Fax	pid:SWD(06640056-FE87-4086-9855-94CD03014003)	0	microsoft		2022-06-18 05:	40:58 PM UTC		1		
	0	Hyper-V Virtual Ethernet Adapter	pid:ROOT(/MS_MP(0000	0	microsoft		2022-05-18 05	40:58 PM UTC		1		
		Hyper-V Virtual Switch Extension Adapter	pidROOT(MS_VSHP)0000	0	microsoft		2022-06-18 05	40:58 PM UTC		1		
		Intel(R) 82514L Gigabit Network Connection	pkdrPCf/yEN_80666.DEV_10036.SUB5Y5_070015AD6REV_00/000C29FFF	0	microsoft		2022-06-18 050	40:58 PM UTC		1		
	•	Intel(R) Xeon(R) CPU E5520 (@ 2.27GHz	pidaCPI/GENUINEINTELINTEL64_FAMILY_6_MODEL_26INTEL/R(_)	x 0	microsoft		2022-03-29 05:	35:53 AM UTC		1		
	0	Microsoft Kernel Debug Network Adapter	pkd:ROOT(KDNIC)0000	0	microsoft		2022-03-29 05:	12:58 AM UTC		1		
	0	Microsoft Print to PDF	pid:SWD/PRINTENUM (442A5436-1F48-4898-9CFA-51930728E036)	0	microsoft		2022-06-18 05	40:58 PM UTC		1		
		Microsoft XPS Document Writer	pid:SWD(PRINTENUM/;580F0E18-4335-402C-8758-040342CB350E)	0	microsoft		2022-06-18 05:	40:58 PM UTC		1		
	•	NECVMWar VMware IDE CDR10 ATA Device	pkd:DE\CDROMINECVIAWAR_VAWARE_IDE_CDR101.00	0	microsoft		2022-03-29 01:	35:53 AM UTC		1		
		OneNote for Windows 10	pktSWD(PRINTENUM((\$F8886A8-02CF-4880-8CF7-439581805805)	0	microsoft		2022-06-18 05:	40:58 PM UTC		1		

4. Select the asset you want to update from the check box and devices/groups to apply the firmware update.

sar	nerno	W Managing SiteX.SecPod ~		•		Q Tue Jul	19 10:53:20 AM	🋔 Priyanka Hiren	nath 🗸
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▲		ATA Channel 0	pkt/PCI/DE\//DECHANINEL\/4639EC5D8A6060	0 microsof	2022-03-29 00	35:53 AM UTC		1	
•	0	ATA Channel 1	pid:PCIDE\/DECHANNEL)4839EC5D848081	0 microsof	2022-03-29.06	35:53 AM UTC		1	
œ.	0	Communications Port (COM1)	pid:ACPI/PNP0501\1	microsof	2022-03-29 06	35:53 AM UTC		1	
	0	Communications Port (COM2)	pid:ACPI/PNP0501\2	O microsof	2022-03-29 06	:35:53 AM UTC		1	
	0	Fax	pkt/SWD/PRINTENUM/JOBE46056-FEB7-408E-9	9855-94CD03018003} 0 microsof	2022-06-18 05	140:58 PM UTC		1	
	0	Hyper-V Virtual Ethernet Adapter	pid:RDOT(sMS_MP(0000	o microsof	2022-06-18 05	H0.58 PM UTC		1	
	0	Hyper-V Virtual Switch Extension Adapter	pid:R00T(rMS_VSMP(0000	O microsof	2022-06-18 05	40.58 PM UTC		1	
	•	Intel(R) 82574L Gigabit Network Connection	pid:PCIVEN_80866/EV_100365UB5V5_07000	15AD6REV_00(000C29FFFF microsof	2022-06-18 05	H0158 PM UTC		1	
	•	Intel(R) Xeon(R) CPU E5520 (8 2.2764z	pid:ACPI/GENUINEINTELINTEL64_FAMILY_0	5_MODEL_26INTEL(R)_X., microsof	2022-03-29.00	35:53 AM UTC		1	
	0	Microsoft Kennel Debug Network Adapter	pid:ROOT(KDNIC),0000	O microsof	2022-03-29 05	12:58 AM UTC		1	
	0	Microsoft Print to PDF	pid:SWD/PRINTENUM/J44245436-1F4B-4898-0	0CFA-51930728E036) 0 microsof	2022-06-18 05	40.58 PM UTC		1	
		Microsoft XPS Document Writer	pid:SWD(PRINTENUM(\$80)F0E18-4335-400C-	8758-040342C8350E} O microsof	2022-06-18 05	:40:58 PM UTC		1	
	•	NECVMWar VMware IDE CDR30.4TA Device	pid:DE\CDROMINECVMMAR_VMWARE_IDE_CD	R101.00 microsof	t 2022-03-29.00	35:53 AM UTC		1	
	0	OneNote for Windows 10	pid:SWD/PRINTENUM/SF8886A8-02CF-488D-	BCF7-439581865805} 0 microsof	2022-06-18 05	H0/58 PM UTC		1	

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РМ			Select Groups/Devices × cal Patches Firmware Rollback	Automation Status	
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		Hyper-V Virtual Ethernet Adapter	pid R00 TVMS_MP(000 0 microsoft 2022-06-18 05/40.58 PM UTC		
			pid:R00T(MKS_VSMP)0000 0 microsoft 2022-06-18-05H0:58 PH UTC		
			pid:PCI/yDL_309#6262_1003#60#655_0T0015406#624_00/000029FFFF0/00000000000000000000000000		
			pidACPF.0EMUNEINTELINTEL64_FAMILY_6_INDEL_26INTEL/80_X microsoft 2022-03-29 06:05:53 AM UTC		
			pid:R00T K0NIC.0000 0 microsoft 2022-03-29 05:12:58 AM UTC		
		Microsoft Print to PDF	pid:SWOFPRINTENUM (442A436-1F48-4896-9CFA-51930728E096) 0 microsoft 2022-06-18-05X40:58 PM UTC		
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5. Click on **Apply selected patches**.

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РМ			Missi	ng Patches Mo	st Critical P	atches Firmware Rollback	k Automa	tion Status	*
•								Apply Selecte	d Patches
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•		ATA Channel 1	pk8.PCIIDE\/DECHANNEJ/4839EC50848061	microsoft	2	022-03-29 06:35:53 AM UTC		1	
e.		Communications Port (COH3)	pidACPI/PNP0503/3	microsoft	2	022-03-29 06:35:53 AM UTC		1	
		Communications Port (COM2)	pktACPI/PNP0501/2	microsoft	2	022-03-29 00:35:53 AM UTC		1	
	0	Fax	pk35WD/PRINTENUM/(08640056-FE87-4086-9855-94CD03018003)	microsoft	2	022-06-18 05:40:58 PM UTC		1	
	0	Hyper-V Virtual Ethernet Adapter	pidROOT(/HS_MP(0000	microsoft	2	022-06-18 05:40:58 PM UTC		1	
		Hyper-V Virtual Switch Extension Adapter	pidROOT(/HS_VSHP)0000	microsoft	2	022-06-18 05:40:58 PM UTC		1	
		Intel(R) 82574L Gigabit Network Connection	pid:PCI/VEN_80866DEV_10D365UBSV5_07D015AD6REV_00/000C29FFFF	microsoft	2	022-06-18 05:40:58 PM UTC		1	
		Intel(R) Xeon(R) CPU E5520 (# 2.2764z	pkbaCPI/GENUINEINTELINTEL64_FAMILY_6_MODEL_26INTEL(R)_X 0	microsoft	2	022-03-29 05/35/53 AM UTC		1	
	0	Microsoft Kernel Debug Network Adapter	pid:ROOT(KDNIC)0000	microsoft	2	022-03-29 05:12:58 AM UTC		1	
	0	Microsoft Print to PDF	pk85WD/PRINTENUM/(442A5436-3F48-4898-9CFA-52930728E036)	microsoft	2	022-06-18 05:40:58 PM UTC		1	
		Microsoft XPS Document Writer	pid:SWD/PRINTENUM/[SE0F0E18-4335-402C-8758-040342C8350E]	microsoft	2	022-06-18 05:40:58 PM UTC		1	
		NECVMWar Witware IDE CDR30.4TA Device	pHdIDE\CDROMINECVIMINAR_VMINARE_IDE_CDR101.00	microsoft	2	022-03-29 05/35:53 AM UTC		1	
		OneNote for Windows 10	pid:SWD/PRINTENUM[SF8886A8-02CF-488D-8CF7-439581865805] 0	microsoft	2	022-06-18 05:40:58 PM UTC		1	

6. Assign the task name and schedule the remediation time in **Create Patching Task** window.

sar PM	nerno	OW Mapar	ring SiteX.SecPod ~ Create Patching Task			Q Tue Jul 19:10:53:51 AM	Priyanka Hiren
		Source : Asset ATA Channel ATA Channel Communica Fai Hyper Villes Hyper Villes Hoper Villes Hoper Villes	Task Controls Reboot Control Remediation End Time Patching Notification Remediation Scripts Test and Deploy	Task Name	Firmware updatesselect time to apply* select time to apply* Immediate after scheduled scan custom date	Task Impact Task Impact 1 Patch 1 Online 0 Offline	Apply Intexted Path Q Control Q Control 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		Microsoft Ke				Apply Selected Patches Cancel	1
		Microsoft XPS Do NECVMWar VMw OneNote for Win		pd:5x07/RX1TDLAN[3607618-4354-4020-8756-4435 pd:505/C080494E044448_V44448E_06_C0830 pd:5x07/RX1TDLAN[2888648-02074880-6677-4395	20233001 0 microsoft 1.00 microsoft 818658059 0 microsoft	2022-06-18 0540556 PM UTC 2022-05-29 08:3553 AM UTC 2022-06-18 0540558 PM UTC	

- 7. To schedule remediation, there are three options,
 - You can schedule remediation immediately.

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φ.	Firmware	Source :	Task Controls	Task Name	Firmware updates	Task Impact	Q. Ecsv
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				pid:SWD/PRINTENUM/(SF8886AB-02CF-488D-BCF7-4395B)	1865805) 0 microsoft	2022-06-18 05:40:58 PM UTC	

Remediation can take place after scheduled scans.

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		Source : Asset AtA Channe Communica Communica Communica Fax Hyper-Virlo Hyper-Virlo Hyper-Virlo Hyper-Virlo Hyper-Virlo Hyper-Virlo Hyper-Virlo Hyper-Virlo	Task Controls Reboot Control Remediation End Time Patching Notification Remediation Scripts Test and Deploy	Task Name	Firmware updates	Task Impact 2 Patches 1 Online 0 Offline	Nepty Lease Leaf Parcher Nests 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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	0	OmeNote for W	Indows 10	pid:SWD/PRINTENUM/(SF8886AB-02CF-4880-BCF7-4395	81865805) 0 microsoft	2022-06-18 05:40:58 PM UTC	1

• You can set a custom date for remediation.

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•	Firmware	Source :	Task Controls	Task Name	Firmware updates	Task Impact	Apply Selected Patches
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A		ATA Channel	Remediation End Time	Remediation schedule	custom date 🗸	\$ Z	1
ø		ATA Channel	Patching Notification	Job execution date	2022-07-19 10:53:AM	Patches	-
		Communica	Remediation Scripts				-
		Communicat	Test and Deploy			₽1	1
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		Hyper-V Virts					1
		Intel(R) 8257				Offline	1
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		Microsoft XPS D		pid:SWD\PRINTENUM-[S8DF0E18-4335-4D2C-8758-04034	2CB350E) 0 microsoft	2022-06-18 05:40:58 PM UTC	
				pid:IDE)/CDROMINECVIMWAR_VMWARE_IDE_CDR30	1.00 microsoft	2022-03-29 06:35:53 AM UTC	
				pid:SWD\PRINTENUM\(SF8886A8-02CF-488D-BCF7-43958	1965805) 0 microsoft	2022-06-18 05:40:58 PM UTC	

You will find various Task Controls to apply a firmware update.

• Reboot Control: Do not Reboot.

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				pid:SWD/PRINTENUM-(SF8886AB-02CF-488D-8CF7-439	(S81865805) 0 microsoft	2022-06-18 05:40:58 PH UTC	

• Reboot automatically with a reboot message.

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B	2	ATA Channel	Patching Notification		Reboot Schedule	Reboot automatically	Patches			
G		Communica	Remediation Scripts		Rehout message	Your oustam is relocating after our resolut				
		Communicat	Test and Deploy		nasoot message	Tour system is recoording and succession	₽1			
		Fax					Online			
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				pid:SWD\PRIN	TENUM/5F8886A8-02CF-4880-8CF7-439	581865805} 0 microsoft	2022-06-18 05:40:58 PM UTC			

Schedule the date and time to reboot after the update

Image: Source of the source of th	Priyanka Hiremath Status 🖋	tomation Stat	Q Tue Jul 19 12:03:09 PM ×						ing SiteX.SecPod Create Patching Task	W Manae	nerno	sa PM
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MperVMn 1 MperVMn 1 MperVMn 1 MperVMn 0 MperVMn 1			Patches	0	e date and time v 20 12:00:AM em is rebooting after successful	Sched 2022-0 Your s	Reboot Schedule Reboot date time Reboot message	Reboot Control	Patching Notification Remediation Scripts Test and Deploy	ATA Channel ATA Channel Communica Communica Fas		
I Moreotte			₽ 0 Offline							Hyper-Wilds Hyper-Wilds Intel(R) 8257 Intel(R) Xeor		
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 Remediation End Time: you can set remediation end time. The firmware gets updated at a given time.

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РМ			Create Patching Task						× tomation	Status
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		Communica	Remediation Scripts						1	
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				pid:SWD\PRINTENU	M/_SF8886AB-02CF-488D-BCF7-439	581865805) 0 microsoft		96-18 05:40:58 PM UTC		

 Patching Notification: you can give a patching notification start message and end message. With this, you will be notified of the patching activity.

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•	Firmware	Source :	Task Controls		Task Name Fit	mware updates		Task Impact		Roply Selected Patches
		Asset	Remediation End Time	Remediatio	imn Schedule	edlate 🗸		¢2	Hosts	11
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8	•	ATA Channel	Remediation Scripts	Notification S	tart Message Sy	stem patching activity is schedul-			1	
G		Communica	Test and Deploy	Notification	End Message Sy	stem patching activity is complet		P 1	1	
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				p-d3DE3CDHDMNECVMWAR_VMWARE	UOL_CDRIG	0				
					F-4880-8057-43058196580	a O microsoft	2022-05-18 05:40-58 PM			

8. Remediation Scripts: You can upload pre-remediation scripts and post-remediation scripts in the given file formats:

- Windows: inf, reg, ps1, bat, exe, msi, msp
- Linux: sh, deb, rpm
- macOS: sh, pkg, dmg (pkg, app)

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•	Remaar	C Source :	Task Controls Reboot Control	Task Name	Firmware updates	Task Impact	Apply Selected Patches
A	8	Asset ATA Channel	Remediation End Time Patching Notification	Pre-remediation script	🕹 Pre-script 🕹 Post-script 🌖	🗢 l Patch	Hosts of
e G		ATA Channel Communica	Remediation Scripts Test and Deploy	Test Criteria Test Schedule	immediate 🗸		1
		Fax		Select devices to test	Q > 🕑 [Win10]	Online	1
		Hyper-V Virb.					1
		Intel(R) 8257				Offline	1
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		Microsoft Pr	5 Document Winter	pid:SWO/PRINTENUM_[580F0E18-4335-402C-8758-040	342CB3S0E} 0 microsoft	2022-06-18 05:40:58 PM UTC	1
				pid:/DE\CDROMMECVMWAR_VMWARE_IDE_CDR10	microsoft	2022-03-29 06:35:53 AM UTC 2022-05-18:05:40-58 PM UTC	1

9. Click here to learn how to test and deploy patches in SanerNow: <u>How to apply missing patches in</u> <u>SanerNow? – SecPod – Documentation</u>

10. Click on **IR test and deploy**. Your job will be created to apply the firmware update.

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•						*	Apply Selected Patches
Ψ.	Firmware	Source :	Task Controls	Task Name	Firmware updates	Task Impact	Q. ECSV
		Asset	Report Control	Patching Notification		¢1	Hosts IT
A	•	ATA Channel	Patching Notification	Notification Start Message	System patching activity is schedu	Patch	
B		ATA Channel	Remediation Scripts	Notification End Message	System patching activity is comple		
G		Communica	Test and Deploy	Remediation Scripts			
		Fax		Pre-remediation script	& Pre-script & Post-script	Online	
		Hyper-V Virb		Banformant Politado			
		Hyper-V Virb		Deployment Options	Deploy manually after test complet 🗸	φ0	
		Intel(R) 8257		Deploy Schedule	01 ~	Offline	
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		Microsoft Ke					
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				pid:SWD\PRINTENUM_\$S8DF0E1B-4335-4D2C-B758-0	H0342CB350E) 0 microsoft	2022-06-18 05:40:58 PM UTC	
				pid:DE)COROMNECYMWAR_YMWARE_IDE_CDR10	1.00 microsoft	2022-03-29 06:35:53 AM UTC	

You successfully created a task for a firmware update!