

# Deploying SecPod Saner Agent Through Microsoft Active Directory



# Introduction

This article lists instructions to install SecPod Saner agent through Microsoft Active Directory.

## Steps Involved in Deploying Agent:

1. Convert SecPod Saner agent in EXE to MSI format
2. Create a Software Distribution Point
3. Create a Group Policy Object (GPO)
4. Upload MSI through GPO
5. Deploy Agents on Multiple Endpoints

## Convert SecPod Saner Agent EXE to MSI Format

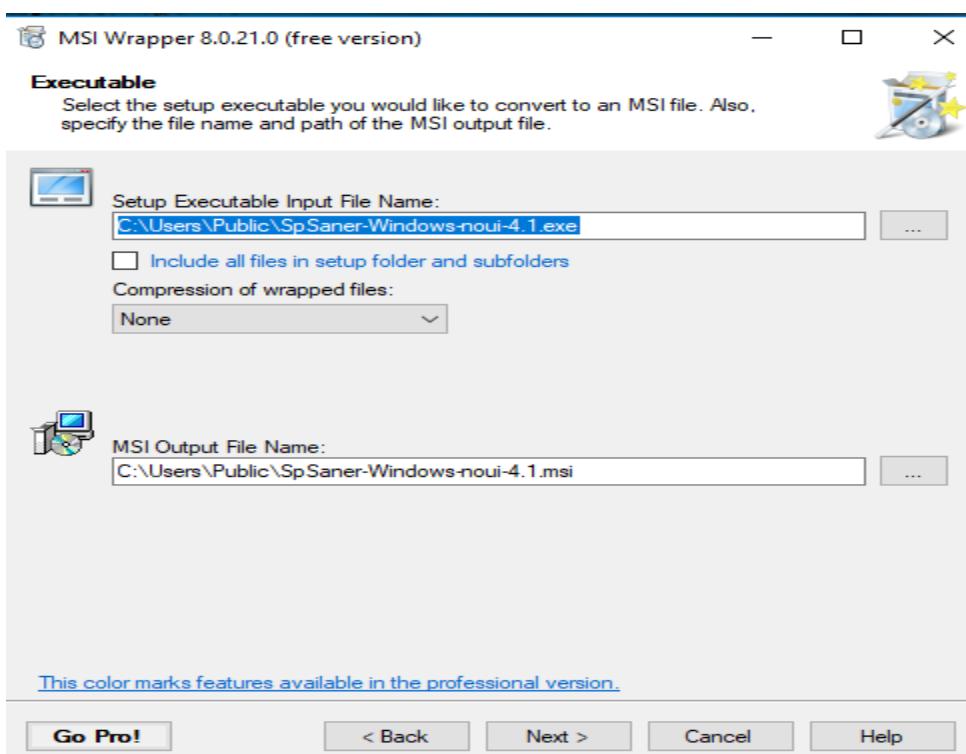
Since the Active Directory allows only MSI format, we need to convert SecPod Saner agent present in EXE to MSI by using any of the EXE to MSI converter. In this article, we use MSI Wrapper.

Steps to convert **SecPod Saner** agent in EXE format to MSI,

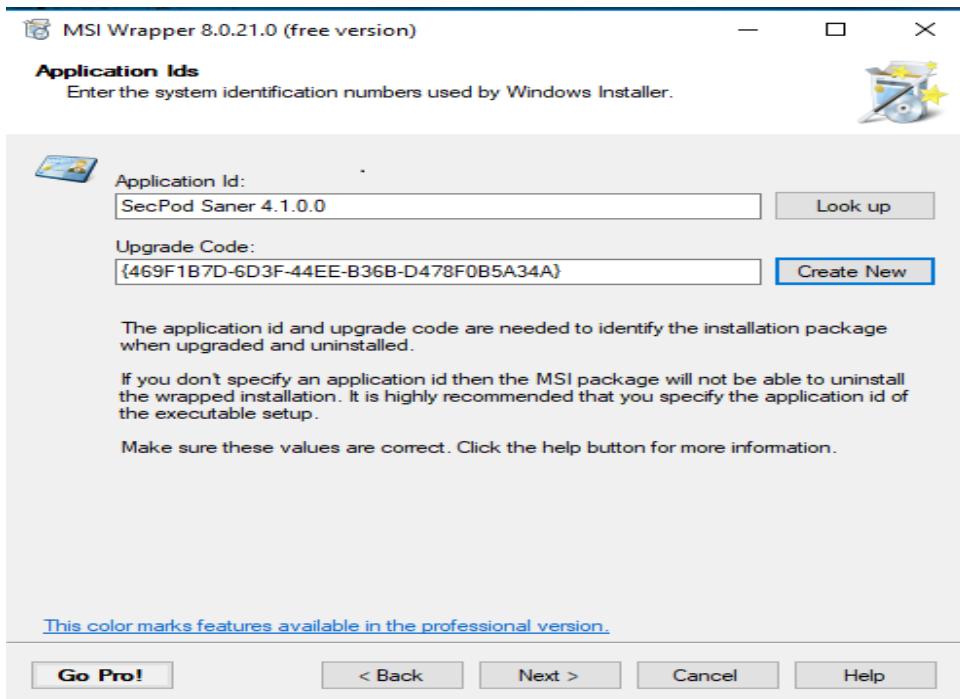
**Step 1:** Download the tool from below link and install,

<http://www.exemsi.com/download>.

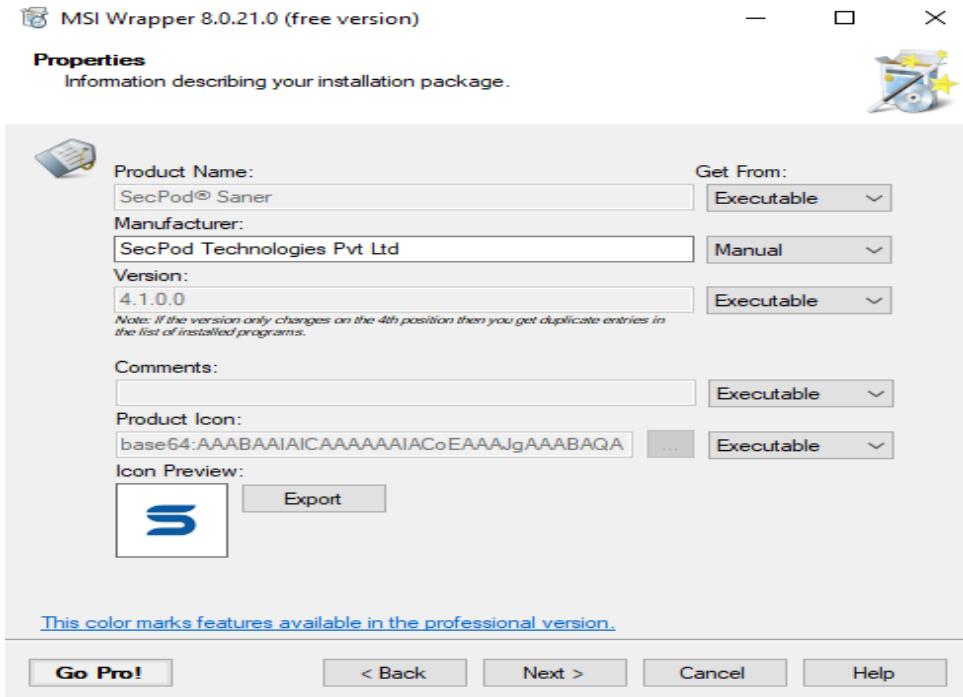
**Step 2:** Open installed tool from the Windows menu, specify the EXE file path and MSI path as show in the below image and click next.



Step 4: Specify the exact version of the agent as 'SecPod Saner 4.1.x.0' click on **create new** button and click next.

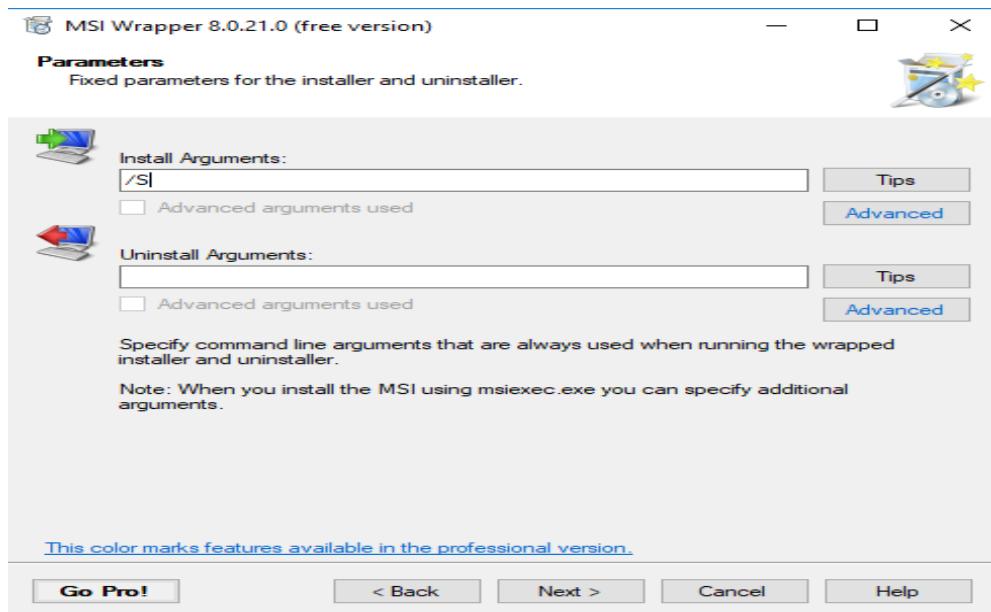


Step 5: Select 'Manufacturer' option as **Manual** and specify the value as 'SecPod Technologies Pvt Ltd' and click next.

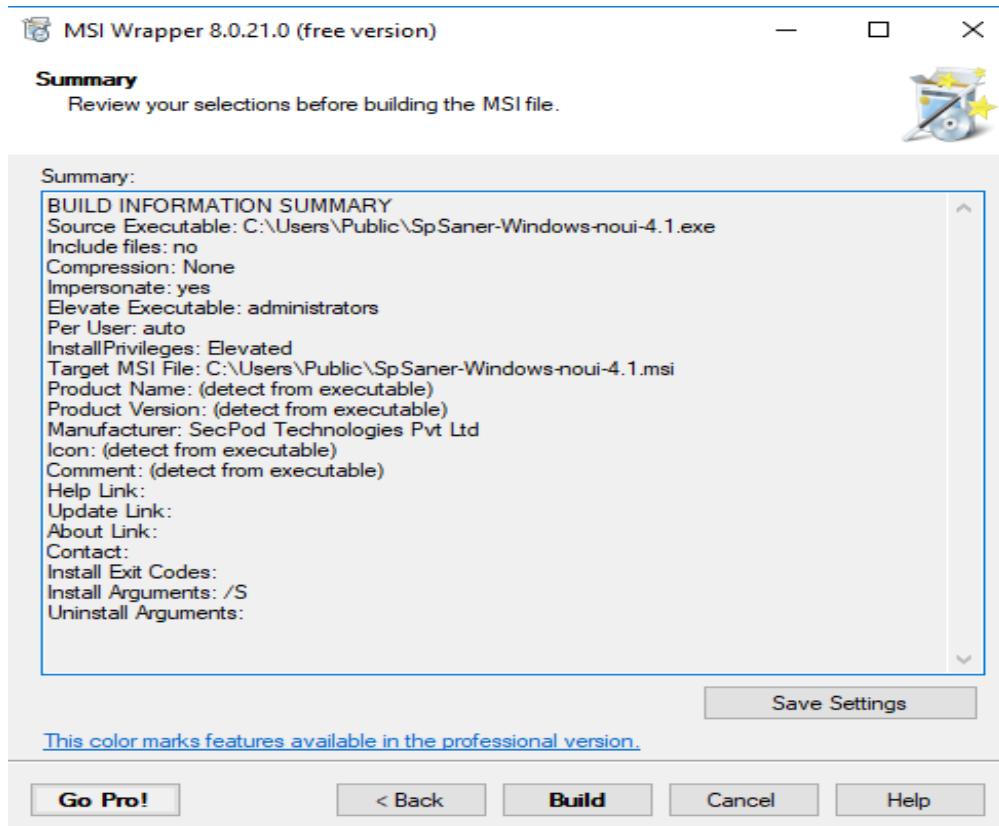


**Step 6:** Skip more Properties by clicking **next**.

**Step 7:** Specify 'Install Arguments' value as **(/S)** for silent installation, and then click **next** followed by **build** button



**Step 9:** Click **Build** button to create an agent in MSI format.



# Create a Shared Distribution Point (SDP)

The first step in deploying an MSI through GPO is to create a distribution point on the publishing server. This can be done by following the steps below,

1. Log on to the server as an **Administrator**.
2. Create a shared **network folder**.
3. **Set Permissions** on this folder to allow access to the distribution package.
4. **Copy Saner MSI agent** file in this shared folder.

# Create a Group Policy Object (GPO)

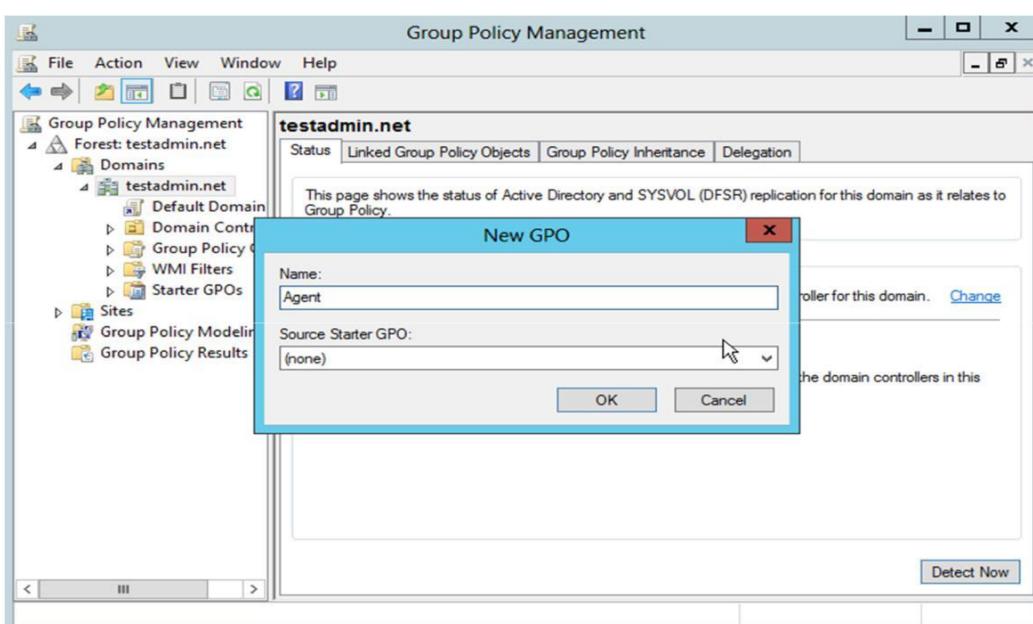
Group Policy is the central component of the Change and Configuration Management features of the Microsoft Windows Server Operation System. Group Policy specifies settings for groups of users and of computers, including registry-based policy settings, security settings, software installation, scripts (computer startup and shutdown, etc.) through Active Directory.

An MSI package is deployed (distributed) through GPO as Group Policy object. To create an object for your package, you can follow these steps,

**Step 1:** Go to the **Windows start** button; go to the **Programs**, select **Administrative Tools** and then Select **Group Policy Management**.

**Step 2:** In the menu bar, **Right-Click** on your domain (ex: testadmin.net) in the console tree and select new GPO.

**Step 3:** Specify **name** for a new group policy (ex: Agent). Enter **OK** button.

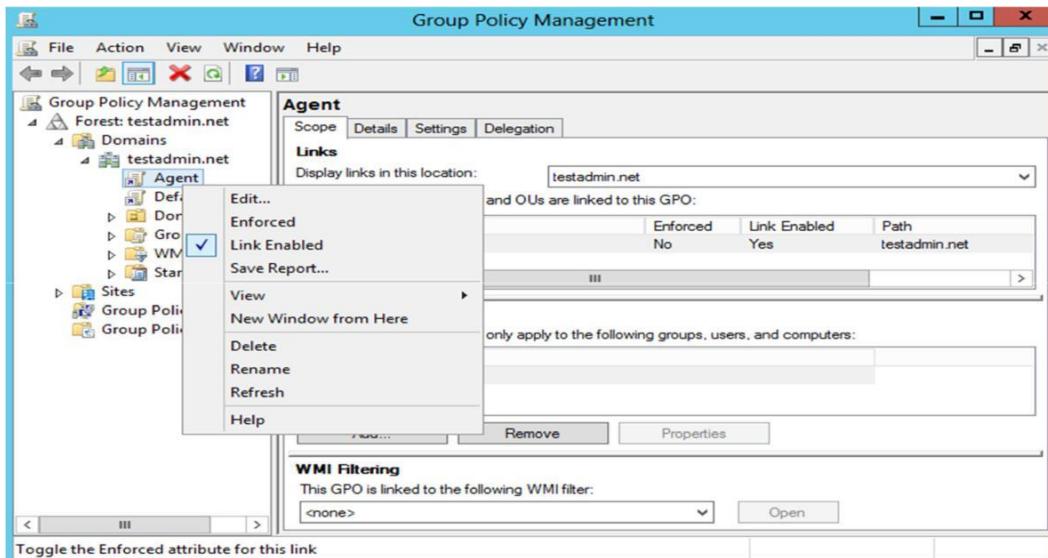


**Step 4:** New Group Policy is created under the domain.

## Upload MSI file in GPO

A package can be assigned per-user or per-machine. Also, if the package is assigned, it will automatically be installed silently. To assign a package, follow these steps:

**Step 1:** Right-click on that created group click **edit** option, it Opens **Group Policy Management Editor**.

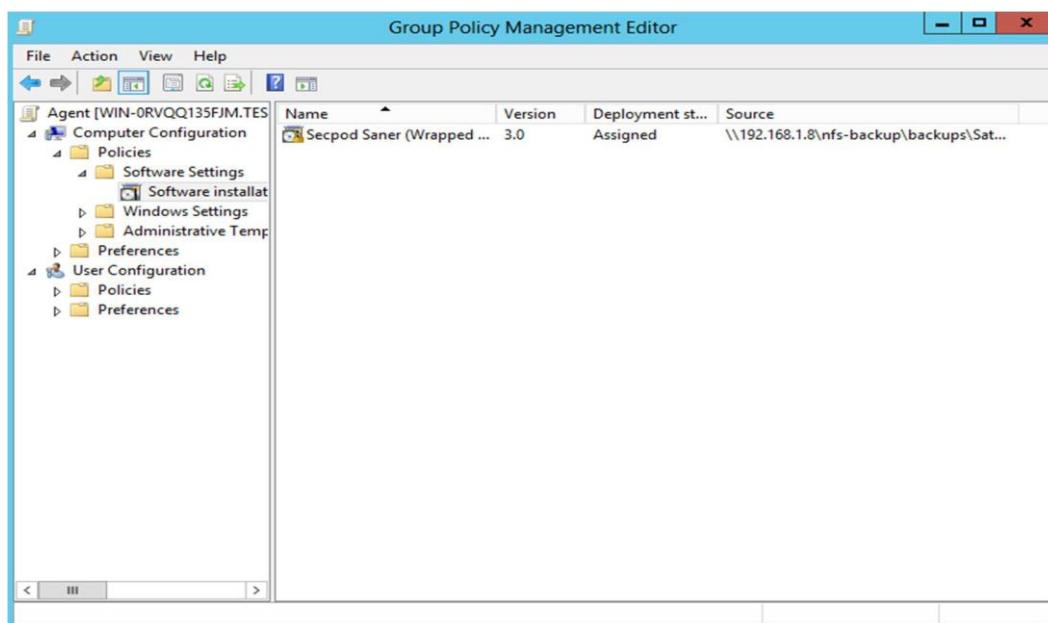


**Step 2:** Under Computer Configuration, expand Software Settings.

**Step 3:** Right-click on Software installation, Click **New** and Select **Package**.

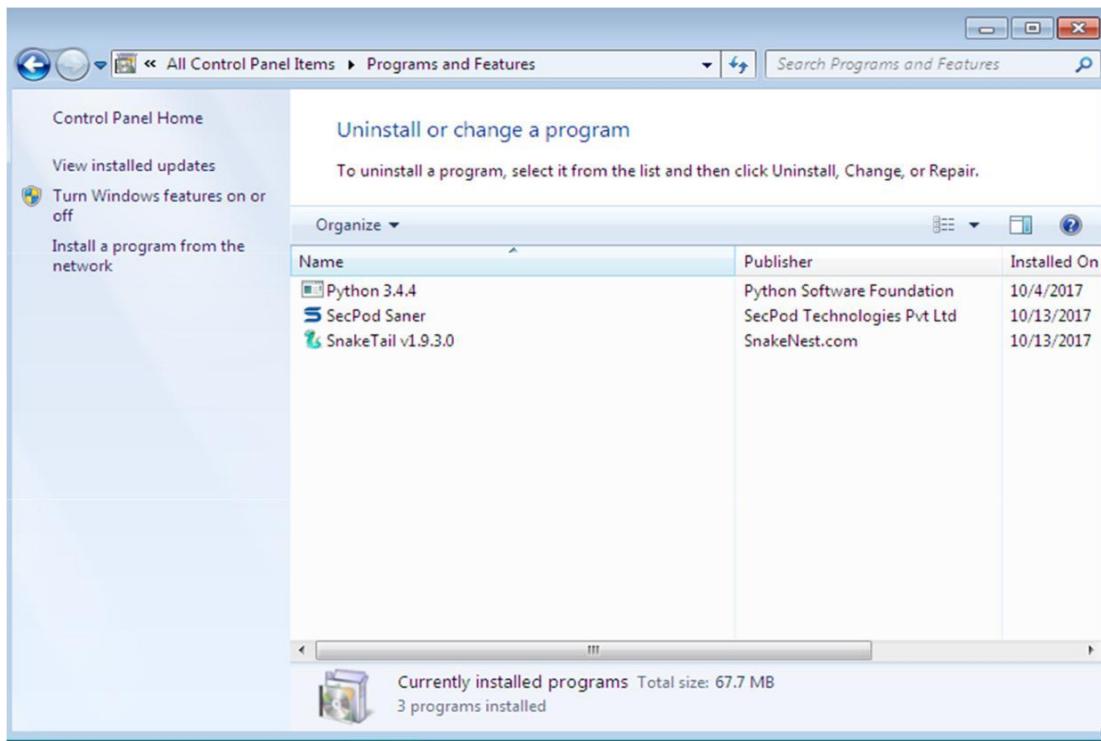
**Step 4:** Open **Browse** window, select new MSI installer file in SDP. Click **Open**.

**Step 5:** Choose default policy as **Assigned** Method, Click **OK**.



# Deploying Agent on Multiple Endpoints

Every system under Active Directory goes under fresh installation type, with silent mode. When the endpoint starts or restarts, the assigned package will be installed automatically on all the endpoints. After a few minutes we can verify agent installation status by logging into one of the endpoint system and check under Program and features.



You could also verify on the Saner Console after login if all the systems have been activated under Manage -> Devices.

Host Name	IP Address	MAC Address	Operating System	Saner Enabled	Group Name	Last Seen
qa-stbldmrgk	192.168.2.213	00-0C-29-5F-ED-97	Microsoft Windows Server 2012 R2...	4.1-0-0-noul-1-exe-v88	blk-server2012-q-cm	2018-09-07 12:08:50(UTC<0.00)
qa-win7-d86-pc	192.168.2.85	00-0C-29-D8-4C-B8	Microsoft Windows 7 Home Premium...	4.1-0-0-noul-1-exe-v88	windows 7	2018-09-07 12:02:31(UTC<0.00)
web-server	192.168.2.121	00-0C-29-04-8E-F2	Microsoft Windows 8.1 v8.3.9600.1...	4.1-0-0-noul-1-exe-v88	blk-newtest	2018-09-07 12:08:38(UTC<0.00)
sp-sec-cust-lap	192.168.1.49	02-00-4C-4F-4F-53	Microsoft Windows 10 v8.3.17134...	4.1-0-0-noul-1-exe-v88	windows 10	2018-09-07 12:00:59(UTC<0.00)
desktop-47n1h1n	192.168.2.172	00-0C-29-74-4E-F0	Microsoft Windows 10 v8.3.17134...	4.1-0-0-noul-1-exe-v88	smitha-rule	2018-09-07 12:07:18(UTC<0.00)
ubuntu	192.168.2.151	00-0C-29-C-02-77	Microsoft Windows 10 v8.3.10588...	4.1-0-0-noul-1-exe-v88	sml-win10-normal	2018-09-07 12:08:08(UTC<0.00)
debian	192.168.2.210	00-0C-29-67-DB-78	Microsoft Windows 7 Service Pack ...	4.1-0-0-noul-1-exe-v88	sml-win7-normal	2018-09-07 12:05:32(UTC<0.00)
comp-bk-server2012r2	192.168.1.108	08-00-27-85-34-3B	Microsoft Windows 8.1 v8.3.9600.1...	4.1-0-0-noul-1-exe-v88	windows 8.1	2018-09-07 12:08:18(UTC<0.00)
pk-windows7	192.168.1.58	B0-83-FE-B3-AD-A8	Microsoft Windows 10 v8.3.17134...	4.1-0-0-noul-1-exe-v88	AU-group	2018-09-07 12:08:32(UTC<0.00)
sm3	localhost	192.168.2.111	Fedora 28 v4.17.3-200.fc28.x86_64...	4.1-0-0-noul-1-pkg-v84	smitha-upgrade-download	2018-09-07 07:42:17(UTC<0.00)
sat-win10	maneeshs-macbook-pro.local	0C-40-08-88-1D-FC	Apple Mac OS X 10.13.6 Darwin Kernel...	4.1-0-0-noul-1-pkg-v84	MANISH	2018-09-07 12:08:11(UTC<0.00)
support	sp-smitha-desktop	192.168.1.31	Ubuntu 14.04 v4.4.0-124-generic...	4.1-0-0-noul-1-dpkg-v84	smitha-upgrade	2018-09-07 12:08:58(UTC<0.00)
test_jayanth	sp-ubuntu14-i86-ii	192.168.2.39	Ubuntu 14.04 v5.13.0-24-generic...	4.1-0-0-noul-1-dpkg-v84	blk-newtestingall	2018-09-07 12:08:23(UTC<0.00)
jayanth	secpod-virtual-machine	192.168.1.53	Ubuntu 14.04 v5.18.0-30-generic...	4.1-0-0-noul-1-dpkg-v84	smitha-upgrade-download	2018-09-07 12:09:37(UTC<0.00)
sm2	qa-ubuntu16.04-x86	192.168.2.58	Ubuntu 16.04 v4.4.0-21-generic...	4.1-0-0-noul-1-dpkg-v88	sharath-test	2018-09-07 07:47:38(UTC<0.00)

## About Us

SecPod Technologies creates cutting edge products to ensure endpoint security. Founded in 2008 and headquartered in Bangalore with operations in USA, the company provides computer security software for proactively managing risks and threats to endpoint computers.



## Contact Us

Web: [www.secpod.com](http://www.secpod.com) Tel: +91-80-4121 4020

Email: [info@secpod.com](mailto:info@secpod.com) +1-918-625-3023

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