

## TeraStation

**Antivirus Software Setup Guide** 

This guide gives instructions for setting up antivirus software on your TeraStation. For more detail, please refer to the online help as described on page 18.

- The TeraStation must be connected to the Internet to use the virus scan service. If a connection can only be made to the Internet through a proxy server, set the IP address of the proxy server in [Administration]- [Proxy Settings] from the left-side menu of the Trend Micro NAS Security<sup>™</sup> settings screen.
- To configure virus scanning, follow the procedure on page 15. Merely registering a license does not configure or schedule virus scanning.

#### If the antivirus software is already activated

[STEP1] Virus Scanning P. 15

[STEP2] Updating P.12

If the license period for the antivirus software has expired

[STEP1] Extending the License Period P. 10

If the antivirus software is not activated

- [STEP1] Creating a Virus Quarantine Folder P. 3
- [STEP2] Activating the Virus Scanning Service P. 5
- [STEP3] Extending the License Period P. 10
- [STEP4] Virus Scanning P. 15
- [STEP5] Updating P.12

### Contents

Introduction	2
Creating a Virus Quarantine Folder	
Activating the Virus Scanning Service	5
Opening Trend Micro NAS Security settings	7
Connecting through a Proxy Server	9
Extending the License Period	10
Updating	12
Excluding a Specific Folder from Antivirus Scanning	13
Virus Scanning	
Checking the Virus Scan Log	17
Opening the Online Help	

# Introduction



The latest firmware update for the TeraStation includes Trend Micro NAS Security<sup>TM</sup>, referred to as "antivirus software" in other parts of this document. This software protects data on your TeraStation from software viruses.

If the antivirus software on your TeraStation is not activated or has expired, please purchase an OP-TSVC license pack (sold separately) and refer to "Extending the License Period" on page 10 to install it.

If your TeraStation includes activated antivirus software, no license registration is necessary. Refer to "Virus Scanning" on page 15 to perform a virus scan.

- Antivirus software may be added to some TeraStations by updating the firmware. Firmware updates for your TeraStation are available at www.buffalotech.com.
- Not all TeraStations support antivirus software. For a list of compatible TeraStations, check www.buffalotech.com.
- Be sure to read "PLEASE MAKE SURE TO READ THIS BEFORE USING THE SOFTWARE" supplied with the TeraStation and OP-TSVC series.
- Trend Micro is a registered trademark of Trend Micro Incorporated.

# **Creating a Virus Quarantine Folder**

After installing antivirus software, create a guarantine folder for files detected by the virus scan

## **1** Open the TeraStation's Web Admin interface.

In NAS Navigator2, right-click (for a Mac, click while holding down the Control key) the TeraStation icon and select [Open Web setting]. The Web Admin interface will open.

🗿 NASNavigat	tor2			
🎦 Minu 👻	🔠 View 👻 🧃	🖬 Browse 🥠 Refresh 🌗	Im here	
TS-NUTRO	Browse Shares Open Web setting Properties. Map remote defau Disconnect mappe Create desktop gh Im gere	It share to drive letter d drive latter ortcut for Tera/LinkStation		
TS-X1.0TL/I	R5		Workgroup: W	ORKGROUP
	HDD	0.03B/218.63B(0.0%)	IP Address: 1	59,254,59,40
<b>B</b>	HDD	0.0GB/218.6GB/0.0%	Subnet Mask: 2	56,255.0.0
	HDD	0.0GB/218.6GB/0.0W	Default Gateway: 1	92.168.11.1 007.40.51.03.02
	HDD	0.0GB/218.6GB/0.0W	Firmware 1	40
				Ver. 2.25

These examples show a TS-XL TeraStation. Your TeraStation's icon may be different.

## **2** Enter your username and password, then click [Login].

The default username is "admin" and the default password is "password".

TeraStation Network Attached Storage		BUFFALO
Username:		Read Manual 🧬 🥐 Helo
Password:	Login	

3 In the Web Admin interface, click [Shared Folders] – [Folder Setup] – [Create Folder].



### **4** Configure the desired settings, then click [Save].

Capy Settings From:	(Optional)		
Name:	TMNAS		
Description:	Quarantine folder		
Volume:	Array 1 💙		
Shared Folder Attributes: Recycle Bin: Shared Folder Support:	C Read Only C Re C Enable C Dis Windows C Ap	ad & Write sable xple	Disk Backup C SFTP
Folder Mode (SMB Only):	Hide Share		
Remote backup password:			
Offine Files:	Disable Offline Files	*	
TeraSearch:	Include folder in searce	th indexing	
Access Restrictions			
Uccal Users 🔯 Local Gr	oups		
Add BRemove			Find
Local Users	Peri	missions	

The following settings are recommended for the quarantine folder.

[Folder Mode (SMB Only)]: [Hide Share]

[Recycle Bin]: [Enable]

[Access Restrictions]: [Read & Write]\* (\* For administrator only)

• If the quarantine folder is deleted or the RAID configuration is changed, a shared folder named "TMNAS" is automatically created as a quarantine folder. Folder attributes, recycle bin, and access restrictions use the settings above.

You have created a quarantine folder. Next, turn to page 5 and refer to "Activating the Virus Scanning Service".

# **Activating the Virus Scanning Service**

Follow the procedure below to activate the virus scanning.

### Open the TeraStation's Web Admin interface.

In NAS Navigator2, right-click (for a Mac, click while holding down the Control key) the TeraStation icon and select [Open Web setting]. The Web Admin interface will open.

🕺 NASNavig	stor2	
Menu •	🏭 View 🔹 🎓 Browse 🥱 Refresh 🆒	(m here
TS-X1.708	Browed Shares Open (bits certing Deporties. Byporence default share to drive letter Discorrect: mapped with letter Create desktop ghortout for Tera/Lirk/Staton I'm gine	
TS-X1.0TL	/R5	Workgroup: WORKGROUP IP Address: 16925459.40
	HDD 0.0GB/2186GB/0.0%	Subnet Mask: 255255.00
	HDD 0.0GB/2186GB/0.0W	Default Gateway: 192168111 MAC Address: 000240513207
	HDD 0.0GB/218.6GB/0.0%	Firmware 140
		NAS Navigator Ver. 225

## **2** Enter your username and password, then click [Login].

The default username is "admin" and the default password is "password".



3 In the Web Admin interface, click [Extensions] – [Virus Scanning].

coess P	rintServer	Time Machin	e Virus Scan	ning	_
irus Sca	inning				
					Find
Name		Volume	Real time Scan	Scheduled Scan	Find Manual Scan
Nane <u>a share</u>		Volume Arrey 1	Real time Scan	Scheduled Scan	Find Manual Scan
Nane Share TMNAS		Volume Array 1 Array 1	Real time Scan	Scheduled Scen	Pind Manual Scan ✓
iane share IMNAS		Volume Array 1 Array 1	Real time Scan	Scheduled Scan	Pind Manual Scan ✓ ✓



**4** Under [Virus Scan Service], click [Modify Settings].





### **5** Enable [Virus Scan Service].

Virus Scan Service			
Virus Scan Service:	C Enable	-	C Disable
Quarantine roluer.	Creating a new shar suspected files	ed folder is recomm	ended for Quarantine Folder to isolate
	The Quarantine Fold access to suspected Moreover, invisible fo (Referring to user m	er is supposed to b files from general u Ider setting promise anual for detail infor	e protected by administrator to prevent isers. as higher security. mation.)



**6** Select a quarantine folder, then click [Save].

Virus Scan Service		
Virus Scan Service:	• Enable	C Disable
Quarantine Folder:	C TMNAS share	s recommended for Quarantine Folder to isolate
	T backup access to suspected Moreover, invisible f (Referring to user n	used to be protected by administrator to prevent d files from general users. Jolder setting promises higher security. Annual for detail information.)
Save Cancel		

To create a new quarantine folder, see "Creating a Virus Quarantine Folder" on page 3.

### This completes the activation of the virus scan service.

# **Opening Trend Micro NAS Security** settings

To configure Trend Micro NAS Security, follow the steps below.

## **Open the TeraStation's Web Admin interface.**

In NAS Navigator2, right-click (for a Mac, click while holding down the Control key) the TeraStation icon and select [Open Web setting]. The Web Admin interface will open.



## **2** Enter your username and password, then click [Login].

The default username is "admin" and the default password is "password".

TeraStation Network Attached Storage		BUFFALO.
Username:		Read Manual 🧬 🤇 Help
Passwuru:	Login	



3 In the Web Admin interface, click [Extensions] – [Virus Scanning].

coess	PrintServer	Time Machin	e Virus Scan	ning		
/irus S	canning					
Name		Volume	Real time Scan	Scherk derl Scan	Find Manual Scan	
share		Array 1	~	~	<b>v</b>	
TWNA	s	Array 1	4	4	4	

### **4** Click [Open Virus Scan WebUI].

Virus Scan Service		-
Virus Scan Service:	Enabled	
Quarantine Folder:	Windows: ¥¥192.168.49.114¥TMNAS\$	
	Macintosh: smb://192.168.49.114/TMNAS\$	
Modify Settings Open Virus S	ican WebUI Initialize Virus Scan Settings	

### **5** Enter your user name and password, then click [Log On].

You can log on with the TeraStation's admin account. The default user name is "admin" and the default password is "password".

LOGON		
Please type your user console.	name and the password to access the web	
User name:		
Password:	Log On	

## **6** Trend Micro NAS Security settings opens.

	Summary				🛃 Help
mmary					· · ·
an Options	System Information				
heduled Update	Product version:	Trend Micro NAS Security	1.0 - build 10	59	
gs	Scan Results for Vinus		- 0	inuses/sources detected	d today
ninistration	Scall Results for Jonds	-		indses) spyware detecte	to coday.
	Summary		Today	Last / days	
	Virus undeanable			0	4
	Virus quarantined			0	4
	Virus deleted			0	0
	Virus passed			0	0
	Virus deaned			0	0
	Virus renamed			0	0
	Scan Status				
	Real-time Scan: Enabled (Incoming files)				
	Scheduled Scan: Disabled				
	Manual Scan: Scan po				
	Update Status			Update	e nov
	Component	Current Version	Last U	pdated	
	Virus Pattern	7.271.00	2010-	02-22 10:09:23	
	Spyware/Grayware Pattern	0.943.00	2010-	02-22 10:09:23	

The settings page for Trend Micro NAS Security is now open.

# **Connecting through a Proxy Server**

If you must pass through a proxy server to connect to the Internet in your network environment, use the procedure below to set the IP address of the proxy server and other settings.

**1** Open the settings page for Trend Micro NAS Security as described on pages 7 - 8.

**2** From the left-side menu, choose [Administration] – [Proxy Settings].

Trend Micro NAS		
	Summary	
Summary		
▶ Scan Options	System Information (2)	
Scheduled Update	Product version:	
▶ Logs	Company Research and Street	
<ul> <li>Administration</li> </ul>	Scan Results for Virus	
Proxy Settings	Summary	
Product License	Virus uncleanable	
Debug Settings	Virus quarantined	

**3** Check "Use a proxy server to access the Internet (License update)". Enter the IP address and port of the proxy server, then click [Save].

General     Component Update       Image: Use a proxy server to access the Internet (License update)       Server name or IP address:       Port:       Proxy server authentication       User name:       Possymrit:	Proxy Settings	
Use a proxy server to access the Internet (License update) Server name or IP address: Port: Proxy server authentication User name: Password:	General Component Update	
Server name or IP address: Port: Proxy server authentication User name: Password: Pass	☑ Use a proxy server to access the In	ternet (License update)
Port: Proxy server authentication User name: Descuprit: Descuprit:	Server name or IP address:	
Proxy server authentication User name: Password:	Port:	
User name:	Proxy server authentication	
Password:	User name:	
	Password:	

The antivirus software is now configured to use a proxy server.

# **Extending the License Period**

In the following situations, you may wish to add a period of activation to the antivirus software:

- If you have added antivirus software to a TeraStation that didn't come with a license for antivirus updates.
- To extend the update period for a TeraStation whose license for updates has expired

To add update capability to a TeraStation that didn't come with a license for software updates, please purchase a Buffalo OP-TSVC license pack (sold separately). OP-TSVC license packs can also be used to extend the license period for TeraStations whose antivirus update period has expired.

### Notes:

Not all TeraStations can run antivirus software. Do not buy a license pack until you're sure that your TeraStation is antivirus-capable. To add antivirus support to a TeraStation that didn't come with it, you must install an updated firmware. The OP-TSVC license pack does not add antivirus support to a TeraStation. It only adds update capability!

Antivirus software on a TeraStation can remain active for up to 5 years. You will not be able to extend the license period beyond 5 years total.



**1** Open Trend Micro NAS Security settings as described on pages 7 - 8.

**2** From the left-side menu, choose [Administration] – [Product License].

Trend Micro NAS		
Summary	Summary	
▶ Scan Options	System Information (2)	
Scheduled Update	Product version:	
▶ Logs	Concer Documents for Differen	
<ul> <li>Administration</li> </ul>	Scan Results for Virus	
Proxy Settings	Summary	
Product License	Virus uncleanable	
Debug Settings	Virus quarantined	

3 Enter the serial number from the "Trend Micro NAS Security™ License Pack GUIDE", included in your OS-TSVC package. Click [Activate].

Product License	🔂 Help
Please enter the new seria	al number to activate your product.
New Serial Number	
Product:	Trend Micro NAS Security 1.0
Current serial number:	abod - abod - abod - abod
New serial number:	
Activate Cancel	

This completes the procedure for extending the license period.

To check the status of the current license, open the Trend Micro NAS Security settings page and select [Administration] – [Product License] from the left-side menu.

# Updating

For best results, configure your antivirus software to update automatically as described below

**Open Trend Micro NAS Security settings as described on pages** 7 - 8.

2 From the left-side menu, choose [Scheduled Update].





3 Check "Enable Scheduled Update".





**4** Select a time for updates to begin, an interval for updates, and an amount of time for updates to continue. Select the components to update. Click [Save].



The antivirus software is now configured to update automatically at the scheduled time. Updates will not be downloaded if the TeraStation is turned off, in standby mode, or disconnected from the Internet.

# **Excluding a Specific Folder from Antivirus Scanning**

Use the procedure below to change the settings to remove a specific shared folder from the folders scanned by the virus scan service.

## **1** Open your TeraStation's Web Admin interface.

In NAS Navigator2, right-click (for a Mac, click while holding down the Control key) the TeraStation icon and select [Open Web setting]. The Web Admin interface will open.



# **2** Enter your username and password, then click [Login].

The default username is "admin" and the default password is "password".





## 3 In the Web Admin interface, click [Extensions] – [Virus Scanning].

ccess PrintSe	rver Time Mach	ine Virus Scan	ning	
irus Scannin	g			
Name	Volume	Real time Scen	Scheduled Scan	Pind Manual Scan
None share	Volume Arrey 1	Real time Scan	Scheduled Scan	Tind Manual Scan
None Share	Volume Array 1 Array 1	Real time Scan	Scheduled Scan	nind Manual Scan ✓



### **4** Click the shared folder.



### **5** Select [Disable Scanning] for the item that you want to remove from the scan, then click [Save].

Virus Scanning > sha	ire	
Name:	share	
Description:	TeraStation folder	
Real time Scan:	Enable Scanning	~
Scheduled Scan:	Enable Scanning	~
Manual Scan:	Enable Scanning	~
	Disable Scanning	
Save Cancel	Enable Scanning	

By default, all folders, including USB hard disks connected to the TeraStation, are set to [Enable Scanning].

### You have now excluded a specific folder from antivirus scanning.

# Virus Scanning

Three types of virus scans are available:

### [Real-time Scan]

The virus scan runs in the background, scanning every file that you read or write. This is the default type of scanning. Your TeraStation may run slower if real-time scanning is enabled. To disable real-time scanning for a specific folder, see page 13.

### • [Scheduled Scan]

A scheduled scan is executed at specific regular intervals, such as every Tuesday at 3 am.

### • [Manual Scan]

A manual scan runs once when initiated. Initiate a manual scan as described below.



# 2 From the left-side menu, choose [Scan Options] – [Manual Scan].



## **3** Click [Scan now].

	Other	Clean
$\odot$	Use the same action for all types	
	Туре	First Action
	All Types	Clean
Sav	e Cancel Scan now	

### This starts the virus scan.

### • If the scan finds a virus, the user can be notified in two ways:

- #1 "Virus alert I34" is normally shown on the TeraStation's LCD screen. Once the virus is removed from the quarantine folder, the message is no longer displayed. If the antivirus software is configured to delete viruses from the quarantine folder automatically, then "Virus alert I34" will not be displayed.
- #2 If email notification is enabled in the TeraStation's Web Admin interface, then the antivirus software notifies the user by email if a virus is found. Setting email notification is recommended. See the TeraStation User Manual for instructions on setting email notification.
- If your TeraStation was factory-configured with antivirus software, then a quarantine folder with the name "TMNAS" is already set up. To change the quarantine folder, see "Creating a Virus Quarantine Folder" on page 3.
- Depending on how many files are on your TeraStation, a virus scan may take several hours. Estimated scanning times are shown below.

10,000 files: ~ 30 minutes 100,000 files: ~ 5 hours 1,000,000 files: ~ 50 hours

# **Checking the Virus Scan Log**

The virus scan log can be checked using the procedure below.



**3** Click the log item that you want to check.

Trend Micr		
Summary	Summary	
Scan Options	System Inform	
Scheduled Update	Product version:	
▼ Logs	Scop Boculto fe	
Virus Logs	Scall Results It	
Spyware Logs	Summary	
Scan Logs	Virus uncleanable	
System Logs	Virus quarantined	
Manual Delete	Virus deleted	
Automatic Delete	Virus passed	
Administration	Virus cleaned	
	Virus renamed	

## 4 Click [Display Log].

System Logs		🔂 Hel
34 log(s) stored fr	rom 2010-07-22 10:51:57 to 2010-08-03 11:47:52	
Data range:	Today	
Start date:	2010-08-03	
End date:	2010-08-03	
Sort by I	Date/Time • Descending •	
Entriez per page:	25 entries	
Note: Only the previou:	1000 log entries will be retrieved for the specified log range.	

## This completes the procedure for checking the log.

# **Opening the Online Help**

For more information on the antivirus software, refer to the online help. Follow the procedure below to access the online help.



### **Open Trend Micro NAS Security settings as described on pages** 7 - 8.



### 2 From the right-top menu, choose [Help] – [Contents and Index].



## **3** Online help will open.



## Online help is now ready to use.