SCOPTEL IP PBX Software - Server Installation Wizard

Contents

Network Module ifconfig system-config-network Server Module system-config-network service network restart passwd Web GUI Login Configuration Wizard EULA Listen Port	1 1
ifconfig system-config-network Server Module system-config-network service network restart passwd Web GUI Login Configuration Wizard EULA Listen Port	1
system-config-network Server Module system-config-network service network restart passwd Web GUI Login Configuration Wizard EULA Listen Port	
Server Module system-config-network service network restart passwd Web GUI Login Configuration Wizard EULA Listen Port	2
system-config-network service network restart passwd Web GUI Login Configuration Wizard EULA Listen Port	4
service network restart passwd Web GUI Login Configuration Wizard EULA Listen Port	4
passwd Web GUI Login Configuration Wizard EULA Listen Port	5
Web GUI Login Configuration Wizard EULA Listen Port	5
Configuration Wizard EULA Listen Port	6
EULA Listen Port	6
Listen Port	7
Description of the Description	7
Registration Details	8
Network Configuration	8
High Availability	9
Firewall Type	9
Locale	10
Apply Changes and Reboot	11
Update After Reboot	11
Update All Packages	11
Telephony Module	12
Commit and Restart Asterisk	12

Network Module

ifconfig

- A newly installed server uses DHCP to get an IP address from a DHCP server on the network so make sure the eth0 interface is connected to the network so the server can get an IP address.
- Before you can login to the server you must know the IP address of at least one physical interface.
- From the Linux console login prompt, enter username root.
- From the password prompt enter the default root password scopserv.
- Once you are successfully logged as root type the command ifconfig to determine at least one eth interface.
- In this example the eth0 IP address is 192.168.192.60 which is the IP address that will be used to login to the GUI later.
- Also notice that the HWaddr is the MAC address of the eth0 interface.



system-config-network

- If there is no DHCP server on the network the server will not get an IP address.
- \bullet Using the command ${\tt system-config-network}$ an IP address can be set statically and then used to login to the GUI
- Use the tab key on the keyboard to select Edit Devices
- Use the tab key on the keyboard to select eth0 and press enter
- Use the tab key on the keyboard to select elements.
- Use the space bar to uncheck or check DHCP.
- Use the keyboard to enter a Static IP as in this example.
- Use the tab key to select Ok.
- Press Enter when finished.

[root@virtualbox1253 ~]# system-config-network_

Edit Devices
Save&Quit Quit
<tab>/<alt-tab> between elements <space> selects <f12> next screen</f12></space></alt-tab></tab>



Server Module

system-config-network

- Use the tab key on the keyboard to select Save
- Press Enter when finished
- Use the tab key on the keyboard to select Save&Quit
- Press Enter when finished

Sele	ect A Device
eth0 (eth0) - Intel Corporatio	on 82540EM Gigabit Ethernet Controller
Save	Cance 1
<tab>/<alt-tab> between elements</alt-tab></tab>	<space> selects <f12> next screen</f12></space>



service network restart

From the root prompt type service network restart to restart the network with the new static IP address.

passwd

- If you need to change the default root password (recommended) the enter the command passwd .
- You will be prompted to enter your new password. twice to confirm the root password change.
- If you forget this password you will have to have a keyboard and monitor attached to the server.
- Interrupt the boot at the GRUB stage and boot to runlevel 1, AKA single user mode. Interrupt GRUB by typing a character such as "space" then append to the kernel line by typing "a", backspacing through "rhgb quiet" and appending " 1<enter>". This will give you a root shell and not a login prompt. From there you can use the "passwd" command to set a new root password.



Web GUI Login

- Open a web browser and use the IP address in the following format : http://<ip address>:5555
- Where <ip address> if the IP address of the server and the :5555 is the listening port of the SCOPTEL web server.
- Example: http://192.168.192.60:5555
- The default login username is admin.
- The default admin password is admin.

[root@virtualbox1253 ~]# service network restart_

Configuration Wizard

- Before proceeding make sure you have your server's serial number handy so you can activate all of the menus and proceed with the configuration wizard.
- If you have the serial number proceed with the wizard by pressing Next.



EULA

 By clicking on Next on the EULA page you are agreeing to the terms of the SCOPSERV End User License Agreement.

ScopServ Telephony Server



Username	admin	
Password	•••••	
Language	English	-
	Login	

Copyright © 2005-2012 ScopServ International Inc.

Listen Port

- The default GUI listening port is 5555
- Proxy information can be entered if the required Internet connection uses a proxy.
- To send voicemail or fax to email using a third party email server tick the Smart Relay check box and fill in the credentials needed to connect to the external email server.
- Click Next to proceed.



Registration Details

- Enter the Serial Number purchased from SCOPSERV and system details.
- Click Next.

ScopServ Initial Server Co	philguration wizard	_ <u>~</u>
	End-User License Agreement	
1. Introduction to ScopServ Telephony Server 2. End-User License Agreement	End-User License Agreement	
2. End-User License Agreement 3. General Settings 4. Software Registration 5. Authentication 6. Date and Time 7. Network Configuration 8. High Availability 9. Firewall Configuration 10. Telephony 11. Summary	SCOPSERV SOFTWARE END-USER LICENSE AGREEMENT ATTENTION: YOU MAY NEED TO SCROLL DOWN TO THE END OF THIS EULA BEFORE YOU CAN AGREE TO THE EULA AND CONTINUE WITH THE SOFTWARE INSTALLATION. IMPORTANT: THIS SOFTWARE END-USER LICENSE AGREEMENT ("EULA") IS A LEGAL AGREEMENT BETWEEN YOU (EITHER AN INDIVIDUAL OR, IF PURCHASED OR OTHERWISE ACQUIRED BY OR FOR AN ENTITY, AN ENTITY) AND SCOPSERV. READ IT CAREFULLY BEFORE COMPLETING THE INSTALLATION PROCESS AND USING THE SOFTWARE. IT PROVIDES A LICENSE TO USE THE SOFTWARE AND CONTAINS WARRANTY INFORMATION AND LIABILITY DISCLAIMERS. BY INSTALLING AND USING THE SOFTWARE, YOU ARE CONFIRMING YOUR ACCEPTANCE OF THE SOFTWARE AND AGREEING TO BECOME BOUND BY THE TERMS OF THIS AGREEMENT. IF YOU DO NOT AGREE TO BE BOUND BY THESE TERMS, THEN DO NOT INSTALL THE SOFTWARE AND RETURN THE SOFTWARE TO YOUR PLACE OF PURCHASE FOR A FULL REFUND.	E
	THIS EULA SHALL APPLY ONLY TO THE SOFTWARE SUPPLIED BY SCOPSERV HEREWITH REGARDLESS OF WHETHER OTHER SOFTWARE IS REFERRED TO OR DESCRIBED HEREIN.	
	 Definitions "Not For Resale (NFR) Version" means a version, so identified, of the Software to be used to review and evaluate the Software, only. It also refers to a copy used by the authorized reseller or distributor, and under specific agreements, for its own internal services. "ScopServ' means ScopServ, Inc. and its licensors, if any. "Software" means only the ScopServ software program(s) and third-party software programs, in each case, supplied by ScopServ herewith, and corresponding documentation, associated media, printed materials, and online or electronic documentation. Trial Version" means a version of the Software, so identified, to be used only to review, demonstrate and evaluate the Software for a limited time period. The Trial Version may have limited 	
	features, may lack the ability for the end-user to save the end product, and will cease operating after a predetermined amount of time due to an internal mechanism within the Trial Version. 2. License Grants The licenses granted in this Section 2 are subject to the terms and conditions set forth in this EULA:	
	You may install and use the Software on a single computer or server; or install and store the Software on a storage device, such as a network server, used only to install the Software on your other computers over an internal network, provided you have a license for each separate computer on which the Software is installed and run. Except as otherwise provided in Section 2(a), a license for the Software may not be shared, installed or used concurrently on different computers. (A) a second installation may be permitted, in accordance with ScopServ and after such a demand is accepted by ScopServ regarding the installation on a second computer/server for the sole purpose of redundancy. (B) The other computer/server will have to be red by ScopServ through Internet for Mac address and to ascertain that only 1 other device will receive the licensed software just like the original installation. You may make one copy of the Software in machine-readable form solely for backup purposes. You must reproduce on any such copy all copyright notices and any other proprietary legends on the original copy of the Software. You may not sell or transfer any copy of the Software made for backup purposes.	
Previous Next	Step 2 o	f 11

Network Configuration

- Set the Fully Qualified Domain Name (FQDN) for the system.
- Set the network configuration as DHCP or static for the system. Static is recommended.
- Set the DNS server information for this system so the server can resolve domain names to IP addresses.

• NOTE: The system is a fully capable DNS server and can resolve DNS for the network but a third party DNS server can also be used.

 Press Next. 		
ScopServ Initial Server C	Configuration Wizard	X
	General Settings	
Introduction to ScopServ Telephony Server 2. End-User License Agreement 3. General Settings 4. Software Registration 5. Authentication 6. Date and Time 7. Network Configuration 8. High Availability 9. Firewall Configuration 10. Telephony 11. Summary	Ceneral * Listen on Port (Web GUI): 5555 Default: 5555 Proxy Settings Enable Proxy ? (2): - SMTP Settings Enable 'Smart Relay' for Outgoing SMTP ? (2): -	
Previous Next		Step 3 of 11

High Availability

- Enable or skip any required High Availability Settings.
- Press Next.

ScopServ Initial Server Co	onfiguration Wizard	X
	Software Registration	
Introduction to ScopServ Telephony Server Z. End-User License Agreement General Settings 4. Software Registration S. Authentication G. Date and Time 7. Network Configuration 8. High Availability 9. Firewall Configuration 10. Telephony 11. Summary	License Informations Serial Number 2: 0000000-0000-0000-0 Format: 0000000-0000-0000-0	
	Company Name : Your Company Name Contact Name : First Last Contact Email: enduser@domain.com	
	Phone Number: 555-555-1212 * Street Address: 1234 End User St	
	* City * State/Province: State * Country: United States	
	* Zip/Postal Code : 12345	
Previous Next		Step 4 of 11

Firewall Type

- Since this example system only has a single network interface there is no option to choose a firewall/gateway mode.
- Choose single system to enable the firewall or no firewall to disable the firewall.
- If a firewall mode is chosen tick off the options to allow desired allowed inbound traffic.

Locale

- Choose the language type that best suits your country profile to set the local tones and cadences configuration that best suits your local telco.
- The Server is behind NAT option is configured if the server is behind a third party NAT router. This setting manipulates SIP traffic to work behind the NAT router using the internal Session Border Controller (SBC).
- NOTE: If the server is behind NAT then ensure that the external firewall port forwards the TCP/UDP ports to the static IP address of the server.

Port examples:

- UDP/TCP 5060 SIP signaling
- UDP/TCP 10000-20000 SIP RTP traffic
- UDP 4569 IAX2 signaling and RTP traffic
- TCP 22 SSH management
- TCP 5555 SCOPTEL GUI
- UDP 123 NTP
- UDP 69 TFTP provisioning

ScopServ Initial Server C	oniguration wizard
	High Availability
1. Introduction to ScopServ	
Telephony Server	General
2. End-User License Agreement 3. General Settings 4. Software Registration	Enable Automatic Failover (Heartbeat) ? 👔 : 🗖
	Enable Shared Network Storage (DRBD) ? 👔 : 🗖
5. Authentication	Enable Scheduled Replication (rsync) ? 😰 : 🔲
Date and Time Network Configuration	
8. High Availability	
9. Firewall Configuration	
11. Summary	

Apply Changes and Reboot

- Review changes and tick on Apply Changes.
- Click Finish.
- Reboot Server when prompted.

ScopServ Initial Server	Configuration Wizard	×
	Firewall Configuration	
1. Introduction to ScopServ	A firewall can help prevent unauthorized access to your computer from the outside world.	
2. End-User License Agreement	🔥 Warning: This wizard will replace all current Firewall data for: Configuration, Inbound Services (Permit) and Outbound Services (Deny). Theses data will be LOST.	
3. General Settings		
4. Software Registration 5. Authentication	Firewall Configuration	
6. Date and Time	* Server Type 2 : No Firewall	
7. Network Configuration	Single System	
8. High Availability 9. Eirewall Configuration		
10. Telephony	Inbound Services (Allow)	
11. Summary	ScopServ Web GUI: 🗹	
	SSH/SFTP: 🗹	
	VoIP (SIP/IAX/MGCP):	
	Flash Operator Panel:	
	DNS Server: W	
	Web Server:	
	Web Server wer Sol	
	TFD Server:	
	VPN Server (PPTP):	
	Mail Services : 🔲	
	Time Server (NTP): 🗹	
	DHCP Server (Public Interface):	

Update After Reboot

Sco

- Once the server is rebooted login again (use the new IP address if the ifconfig address was changed).
- From the Configuration>Server>Packages Manager menu tree click on the Update Now link to upgrade all of the system packages.

	Telephony	
Introduction to ScopServ Telephony Server 2. End-User License Agreement General Settings Software Registration S. Authentication Date and Time	General	
	Default Language (Prompt) :	English
	Tone Indication :	United States / North America
8. High Availability 9. Firewall Configuration	NAT Settings	
10. Telephony	Server is behind NAT ? 👔 :	
11. Summary	* External IP or Hostname :	whatismyip.com
	How often to refresh Hostname if used ? :	10 Default: 10
	Local Network :	192.168.0.0/255.255.0.0 10.0.0/255.0.0.0 172.16.0.0/12 169.254.0.0/255.255.0.0
		You can add multiple 'network/subnet' if separated by a space.

Update All Packages

- Be patient while all updates are fetched and applied by the server.
- NOTE: If the annual software maintenance agreement is not current for the system serial number then no SCOPSERV updates will be fetched.

ScopServ Initial Server (Configuration Wizard	X
	Summary	
1. Introduction to ScopServ Telephony Server 2. End-User License Agreement 3. General Settings 4. Software Registration	SSH/SFTP: Yes	-
	VoIP (SIP/IAX/MGCP): Yes	
	Flash Operator Panel : Yes	
	DNS Server: Yes	
5. Authentication	Web Server: No	
6. Date and Time	Web Server over SSL: No	
 Network Configuration High Availability 	FTP Server: No	
9. Firewall Configuration	TFTP Server : Yes	
10. Telephony	VPN Server (PPTP): No	
11. <mark>Summary</mark>	Mail Services: No	
	Time Server (NTP): Yes	
	DHCP Server (Public Interface) : No	
	Telephony	
	General	
	Default Language (Prompt) : English	
	Tone Indication : United States / North America	
	NAT Settings	
	Server is behind NAT ? 😰 : Yes	
	External IP or Hostname : whatismyip.com	
	How often to refresh Hostname if used ?: 10	
	Local Network: 192.168.0.0/255.255.0.0 10.0.0.0/255.0.0.0 172.16.0.0/12 169.254.0.0/255.255.0.0	
		E
	Do you really want to apply theses changes?	
	* Apply Changes?: 🗹	-
Previous Finish	Step 11 o	f 11

Telephony Module

Commit and Restart Asterisk

- If the SCOPSERV-telephonyX packages are updated then you will have to do a full commit on the Configuration>Telephony>Configuration page.
- If any Asterisk packages are updated then you will have to restart Asterisk from the Configuration>Telephony>General>Restart Telephony page.
- ** NOTE: Always do a full commit before restarting Asterisk/Telephony Server. **

	ኛ 🚈 🎽 🤴 🧌 🛱 🦓 🚔 General Configuration License Multi Server MySQL Server SSH Server Date and Time SNMP Server Storage Manager Packages Manager Backup Monitoring High Availability
Logged as: admin 🛛 🦣	
	Certificate Manager
€ Configuration	
🗄 😈 Server	Packages Manager 🕴 Update Now
😈 General	
📶 Configuration	Configuration Version Informations
👔 License	Configuration
MySQL Server	General Connection Packages Repository
- 35 SSH Server	
- Contract and Time	Distribution : CentOS release 5.8 (Final)
Storsee Massace	Arcinecture: 1380
Packages Manager	Auto Update
	Enable Auto-Update ? 👔 : No
- Monitoring	
- 🛃 High Availability	Edit
Certificate Manager	
🖅 😽 Network	
💷 🤕 Telephony	
😢 ScopSTATS	
🗆 — 💉 Configuration Wizard	
🗆 🖗 Log out	