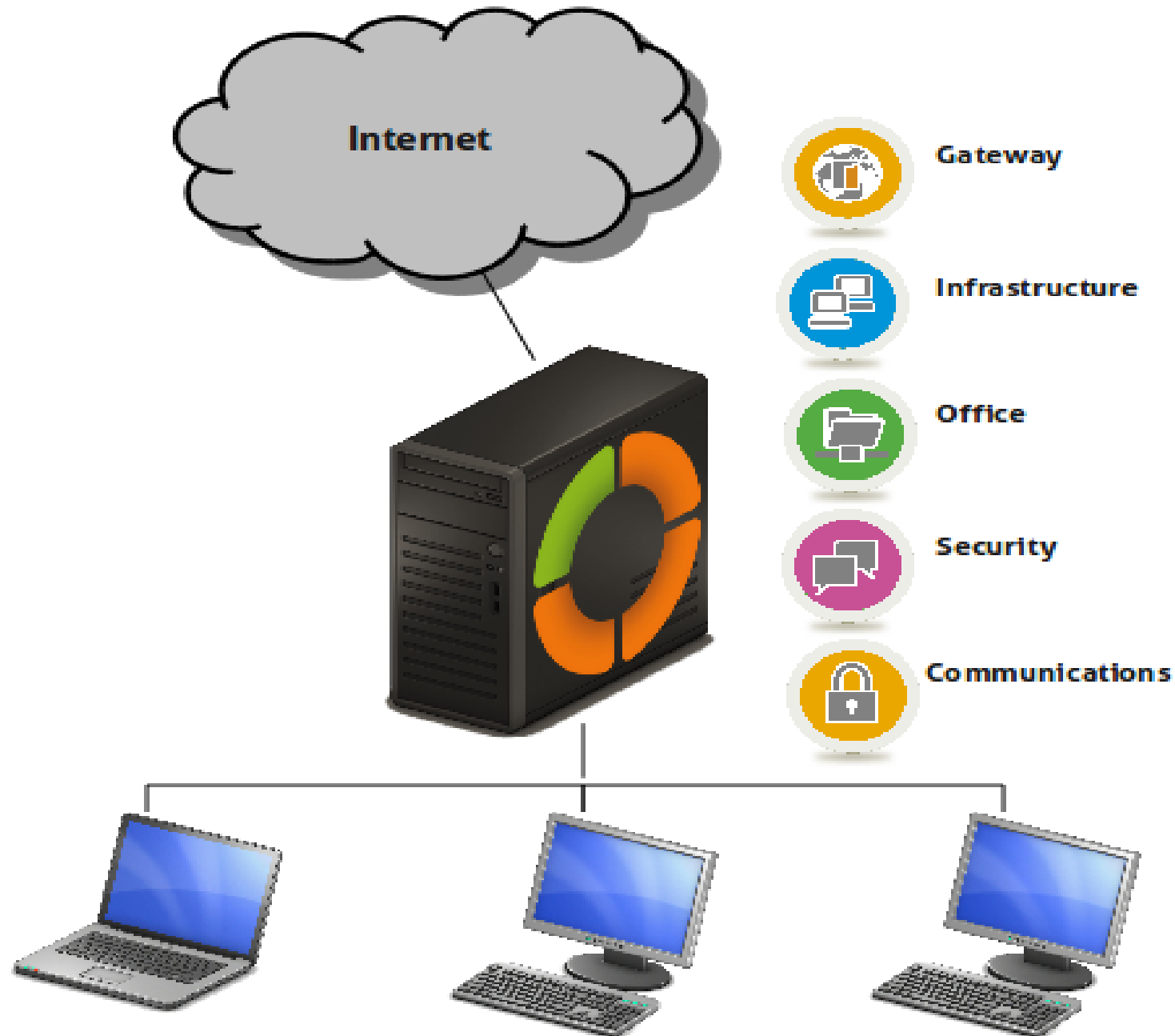


**ТЕМА:**

**” ДИСТРИБУТИВ ZENTUAL ДЛЯ ПОБУДОВИ СЕРВЕРІВ  
ДЛЯ МАЛОГО ТА СЕРЕДНЬОГО БІЗНЕСУ”**

# Що make Zentyal?



# Zentyal as Gateway

Властивість	Деталі	Програмне забезпечення
<b>Налаштування мережних інтерфейсів</b>	Static DHCP VLAN PPPoE Bridge	Linux networking subsystem
<b>Міжмережний екран</b>	Advanced filtering DMZ Перенаправлення портів	Netfilter
<b>Маршрутизація</b>	Політика маршрутизації Балансування навантаження	Iproute2 Linux networking subsystem
<b>Traffic Shaping and QoS</b>	Traffic shaping Application layer (L7) classification	Iproute2 L7-filter
<b>HTTP проксі-сервер</b>	Internet cache Content filtering with antivirus Multiple filtering profiles	Squid Dansguardian ClamAV

# Zentyal UTM

Властивість	Деталі	Програмне забезпечення
<b>Налаштування міжмережного екрану</b>	Advanced filtering DMZ Port redirection (NAT)	<b>Netfilter</b>
<b>HTTP - проксі</b>	Internet cache Content filtering with antivirus Transparent or authenticated mode Multiple filtering profiles	<b>Squid</b> <b>Dansguardian ClamAV</b>
<b>Virtual Private Network</b>	SSL VPN Branch office connections Roadwarriors IPSec PPTP	<b>OpenVPN</b>  <b>OpenSWAN</b> <b>PPTPd</b>
<b>Система попередження вторгнень</b>	IDS (Intrusion Detection System)	<b>Snort</b>
<b>Поштовий фільтр</b>	Advanced SMTP filter Antispam capabilities Antivirus capabilities Greylisting	<b>Amavisd-new</b> <b>Spamassassin</b> <b>ClamAV</b> <b>Postgrey</b>

# Zentyal Infrastructure

Властивість	Деталі	Програмне забезпечення
<b>DHCP -сервер</b>	Dynamic and static leases Integration with DNS PXE support	ISC DHCP
<b>DNS -сервер</b>	DNS cache server DNS authoritative server Integration with DHCP	BIND 9
<b>NTP -сервер</b>	NTP server	
<b>Сертифікація</b>	Certificate management Zentyal service integration	OpenSSL
<b>Веб-сервер</b>	HTTP and HTTPS support Multiple virtual hosts Integration with DNS	Apache
<b>FTP -сервер</b>	Anonymous FTP Authenticated FTP	
<b>Управління віртуальними машинами</b>	VM management	KVM VirtualBox libvirt

# Zentyal Office

Властивість	Деталі	Програмне забезпечення
<b>Сервер каталогів LDAP</b>	Central management of users and groups Master/slave architecture Windows Active Directory synchronization	OpenLDAP
<b>Загальний доступ до файлів та каталогів</b>	Windows file sharing Primary Domain Controller Roaming profiles Windows 7 support	Samba
<b>Спільне використання пристрою друку</b>	Printer management Windows printer sharing IPP support	CUPS
<b>Система колективної роботи</b>	Mail Shared calendar Shared contacts Shared tasks Mobile devices synchronization	Zarafa
<b>Резервне копіювання</b>	Incremental and full backup Advanced backup policy Disaster recovery	Duplicity

# Zentyal Unified Communications

Властивість	Деталі	Програмне забезпечення
<b>Поштовий сервер</b>	SMTP with TLS POP3-IMAP4 with SSL Webmail External mail retrieval Antispam Antivirus Greylisting Virtual domains User quota support	Postfix Dovecot Roundcube Fetchmail Spamassassin ClamAV Postgrey
<b>Система колективної роботи</b>	Mail Shared calendar Shared contacts Shared tasks Mobile devices synchronization	Zarafa
<b>Сервер обміну миттєвими повідомленнями</b>	XMPP/Jabber server	
<b>VoIP-телефонія</b>	SIP users and phones Calls through an external provider Conference rooms Voicemail Music on hold Logs	Asterisk

# *Вимоги до апаратного забезпечення*

Zentyal профіль	Кількість користувачів	CPU	Пам'ять (ОЗП)	Об'єм жорсткого диску
<b>Gateway</b>	<100	P4 або його еквівалент	2G	80G
	100 або більше	Xeon Dual core або його еквівалент	4G	160G
<b>UTM</b>	<100	P4 або його еквівалент	2G	80G
	100 або більше	Xeon Dual core або його еквівалент	4G	160G
<b>Infrastructure</b>	<100	P4 або його еквівалент	1G	80G
	100 або більше	P4 або його еквівалент	2G	160G
<b>Office</b>	<100	P4 або його еквівалент	1G	250G
	100 або більше	Xeon vDual core або його еквівалент	2G	500G
<b>Communications</b>	<100	Xeon Dual core або його еквівалент	4G	250G
	100 або більше	Xeon Dual core або його еквівалент	8G	500G



# Веб-інтерфейс Zentyal



Logout

Save changes

## Dashboard

[Configure widgets](#)

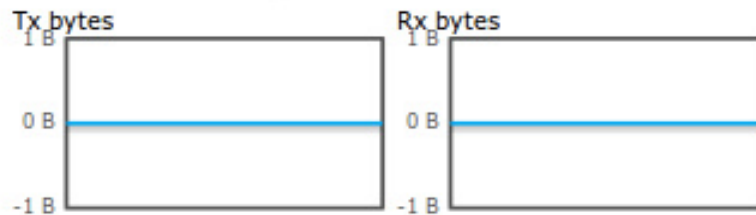
### General Information

Time	Mon Apr 9 12:54:19 EEST 2012
Hostname	zenmain
Core version	2.2.7
Software	No updates
System load	0.54, 0.51, 0.28
Uptime	5 min
Users	1

### Network Interfaces

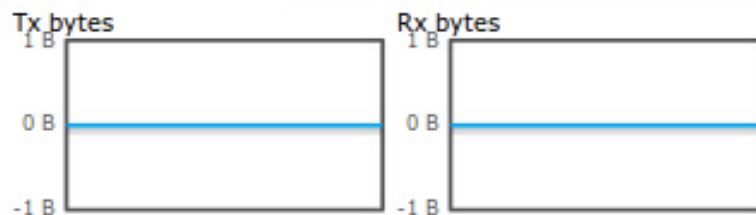
#### eth0

Status	up, external, link ok
MAC address	08:00:27:93:80:2e
IP address	192.168.7.18



#### eth1

Status	up, internal, link ok
MAC address	08:00:27:1b:ee:53
IP address	192.168.7.1



### ZENDIPLOMA

No users connected to the VPN

### OpenVPN daemons

#### Server ZENDIPLOMA

Service	Enabled
Daemon status	Running
Local address	All external interfaces
Port	1194/UDP
VPN subnet	192.168.160.0/255.255.255.0
VPN network interface	tap1
VPN interface address	192.168.160.1/24

### HTTP Proxy

Transparent proxy	Enabled
Global policy	Filter
Listening port	3128

### Mail

#### Services

SMTP service	Running	<input type="button" value="Restart"/>
POP3 service	Disabled	
POP3S service	Disabled	
IMAP service	Disabled	
IMAPS service	Disabled	
Greylist service	Disabled	
External retrieval service	Stopped	<input type="button" value="Start"/>

### Core

Dashboard

Module Status

System

Network

Maintenance

Software Management

### Gateway

HTTP Proxy

Traffic Shaping

RADIUS

### UTM

Firewall

IDS

VPN

Antivirus

Mail Filter

### Infrastructure

DHCP

DNS

Web Server

FTP

Certification Authority

NTP

### Office

Users and Groups

# Система моніторингу

## Monitoring [\(show help\)](#)



Want to know how your system performs and manage your server remotely? Get the [Small Business](#) or [Enterprise Edition](#) to access to remote monitoring and management features.

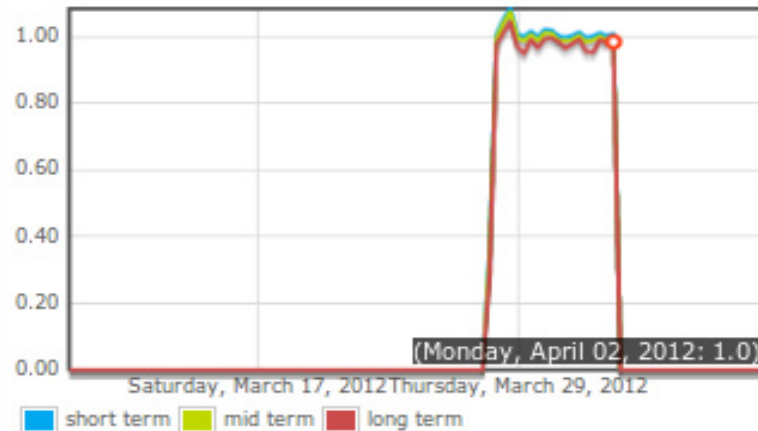
[Last hour](#)

[Last day](#)

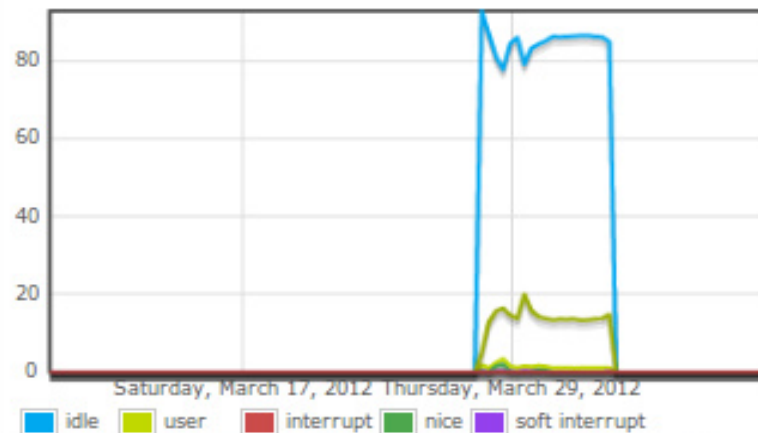
[Last month](#)

[Last year](#)

### System load



### CPU 0 usage



- Core
- Dashboard
- Module Status
- System
- Network
- Maintenance
  - Monitoring
  - Logs
  - Events
  - Disk Usage
  - RAID
- Software Management
- Gateway
- HTTP Proxy
- Traffic Shaping
- RADIUS
- UTM
- Firewall
- IDS
- VPN
- Antivirus
- Mail Filter
- Infrastructure
- DHCP
- DNS
- Web Server
- FTP

# Налаштування Firewall

## Packet Filter

### Core

- Dashboard
- Module Status
- System
- Network
- Maintenance
- Software Management
- Subscription

### Gateway

- HTTP Proxy
- Traffic Shaping

### UTM

- Firewall
  - Packet Filter
  - Port Forwarding

### VPN

- Antivirus
- Mail Filter

### Infrastructure

- DHCP
- DNS
- Web Server
- FTP
- Certification Authority

### NTP

### Office

### Users and Groups



### Filtering rules from internal networks to Zentyal

These rules allow you to control access from internal networks to services running on your Zentyal machine.

[Configure rules](#)



### Filtering rules for internal networks

These rules allow you to control access from internal networks to the Internet and traffic between internal networks. If you wish to provide access to your Zentyal services, you must use the above section.

[Configure rules](#)



### Filtering rules from external networks to Zentyal

These rules allow you to control access from external networks to services running on your Zentyal machine.



Be advised that adding rules in this section may compromise your network security as you may grant access from untrusted networks. Please do not use this unless you know what you are doing.

[Configure rules](#)

### Filtering rules from external networks to internal networks

These rules allow you to control access from external networks to internal networks.



Be advised that adding rules in this section may compromise your network security as you may grant access from untrusted networks. Please do not use this unless you know what you are doing.













































# Правила фільтрації пакетів

Packet Filter ► External networks to Zentyal

## Configure Rules

 [Add new](#)

Decision	Source	Service	Description	Action
↑	Any	PPTP	--	  
↑	Any	HTTP	--	   
↑	Any	eBox administration	--	   
×	Any	RADIUS	--	   
↑	192.168.7.16/30	any	host ubuntu_vboxnet0	   
↑	Any	Groupware	--	   
↑	Any	Mail Submission	--	   
×	Any	Incoming Mail	--	   
↑	Any	SMTP	--	   
↑	Any	jabber	--	  

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# Налаштування мережних інтерфейсів



Zentyal Cloud

Logout

Save changes

## Network Interfaces [\(show help\)](#)

eth0

eth1



You are connecting to Zentyal through this interface. If you set it as external the firewall will lock you out unless you add firewall rules to [Filtering rules from external networks to Zentyal](#) to allow access to the Zentyal administration port, SSH, ...

Name:

Method:

External (WAN):

Check this if you are using Zentyal as a gateway and this interface is connected to your Internet router.

IP address:

Netmask:

## Virtual Interfaces

Name	IP address	Netmask	Action
<input type="text"/>	<input type="text"/>	<input type="text" value="255.255.255.0"/>	<input style="background-color: #e0f0ff; border: 1px solid #add8e6;" type="button" value="+"/>

Core

Dashboard

Module Status

System

Network

Interfaces

Gateways

DNS

Objects

Services

Static Routes

Dynamic DNS

Diagnostic Tools

Bandwidth Monitor

Maintenance

Software Management

Subscription

Gateway

HTTP Proxy

Traffic Shaping

UTM

Firewall

VPN

Antivirus

Mail Filter

# Управління користувачами

## Core

- Dashboard
- Module Status
- System
- Network
- Maintenance
- Software Management
- Subscription

## Gateway

- HTTP Proxy
- Traffic Shaping

## UTM

- Firewall
- VPN
- Antivirus
- Mail Filter

## Infrastructure

- DHCP
- DNS
- Web Server

- FTP
- Certification Authority
- NTP

## Office

### Users and Groups

- Users
- Groups
- User Template
- LDAP Settings

## Users

### Add User

User name:

First name:

Last name:

Comment:   
*Optional*

Password:

Retype password:

Group:

## Users

Name	Full name	Edit
admin	Domain Admin	
dvankevich	Дмитро Ванькевич	
msalo	Mykhailo Salo	
pivanenko	Petro Ivanenko	
sdumych	Slavik Dumych	
tsalo	Тетяна Сало	
vhirniy	Vasul Hirniy	
yrubiy	Ярослав Рибій	



# Zarafa i поштовий клієнт thunderbird

The screenshot displays the Thunderbird calendar application. At the top, there is a title bar with the text "Calendar" and a close button. Below the title bar, there are buttons for "Task", "Edit", and "Delete". A search bar contains the text "All Events" and "contain". Below the search bar, there is a list of events with columns for "Title", "Start", "End", and "Category".

Title	Start	End	Category
Реєстрація FOSS 2012!	Thu 26 Apr 2012 09:00	Thu 26 Apr 2012 20:00	
FOSS LVIV 2012!	Fri 27 Apr 2012 09:00	Sat 28 Apr 2012 14:00	Meeting
LLUG	Tue 6 Mar 2012 19:30	Tue 6 Mar 2012 21:00	
Meeting	Fri 16 Mar 2012 13:30	Fri 16 Mar 2012 14:30	

Below the list, there is a navigation bar with "Today" and "April 2012". On the right, there are buttons for "CWs: 14-18", "Day", "Week", "Multiweek", and "Month". The main area is a calendar grid with columns for "Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", and "Saturday". The grid shows dates from 1 Apr to 5 May. Events are shown as blue boxes with a yellow bell icon. The event "19:30 LLUG" is shown on Tuesday, 6 Mar, Tuesday, 17 Apr, and Tuesday, 30 Apr. The event "09:00 Реєстрація ..." is shown on Thursday, 26 Apr. The event "09:00 FOSS LVIV ..." is shown on Friday, 27 Apr. The event "14:00 FOSS LVIV ..." is shown on Saturday, 28 Apr.



**Дякую за увагу!**