



Business Server

History

2004 Warp.es Dreams Big
2005 eBox Platform release!
2006 Funded Spanish Gov.
2007 Spain: Tech Award
2007 Support Company
2009 eBox Platform 1.0
2009 Training Courses
2009 eBox Platform 1.2
2009 ANSTE Testing platform
2010 eBox Control Center
2010 eBox Store (VoIP, Storage)
2010 eBox Platform 1.4
2010 Linux Format Award
2010 Zentyal Name Change
2010 Zentyal 2.0

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eBox Platform 2.0 --> Zentyal

Platform for Network Services

Plataforma de Servicios de Red

Threat Management

Gestión de amenazas

Infrastructure

Infraestructura

Unified Communications

Comunicaciones unificadas

Office Solutions

Soluciones para Oficina

Authentication

Autenticación

Centralized Management

Administración Centralizada

Cloud Services

Servicios en la nube

Office Solutions

Microsoft Windows File
Sharing (CIFS / SMB)

Archivos compartidos (CIFS /
SMB)

Calendaring (Zarafa)

Calendario Compartido
(Zarafa)

Printer Sharing
(Cups/Samba)

Comparticion de
Impresoras (Cups/Samba)

Backups

Respaldos

Unified Communications

Chat (XMPP)
VoIP (Asterisk)
Email + Anti-Spam

Chat (XMPP)
Telefonia IP (Asterisk)
Email + Anti-Spam

Infrastructure

DHCP + DynDNS

DNS

TFTP (Thin Clients)

FTP

HTTP (virtual hosting + user folders)

NTP

SSL/TLS Certification of Authority (CA) Server
Object Management

DHCP + DynDNS

DNS

TFTP (Clientes livianos)

FTP

HTTP (virtual hosting + user folders)

NTP

Autoridad de certificacion
Gestion de objetos

Threat Management

Firewall (Iptables)
Layer 7 Inspection
Content Filtering (Squid)
VPN (OpenVPN)
Intruder Detection

Firewall (Iptables)
Inspeccion Layer 7
Filtro de contenidos (Squid)
VPN (OpenVPN)
Deteccion de intrusos

Networks / Redes

Interface management

Multiple gateways

Static routing

PPPoE

Transparent Proxy (Squid)

Traffic Shaping

Gestión de Interfaces

Múltiples gateways

Rutas estáticas

PPPoE

Proxys Transparente (Squid)

Traffic Shaping

Authentication

LDAP/Microsoft Active Directory Service (Samba)

Use with Microsoft Windows Clients and
or Linux, Mac OS X...

LDAP/Microsoft Active Directory Service (Samba)

Compatible con clientes Microsoft
Windows y/o Linux, Mac OS X...

Radius

Use with access points and network
devices.

Radius

Para autenticacion de access points y
otros dispositivos de red.

Requirements / Requerimientos

10-20 users

- 1.6 Ghz
- 1 Gb RAM
- 200 Gb HDD

20-50 users

- 2.0 Ghz
- 2-8 Gb RAM
- 500 Gb+ HDD

50-10,000

- Use Multiple servers



Install Zentyal 2.0-1 (delete all disk)

Install Zentyal 2.0-1 (expert mode)

Check CD for defects

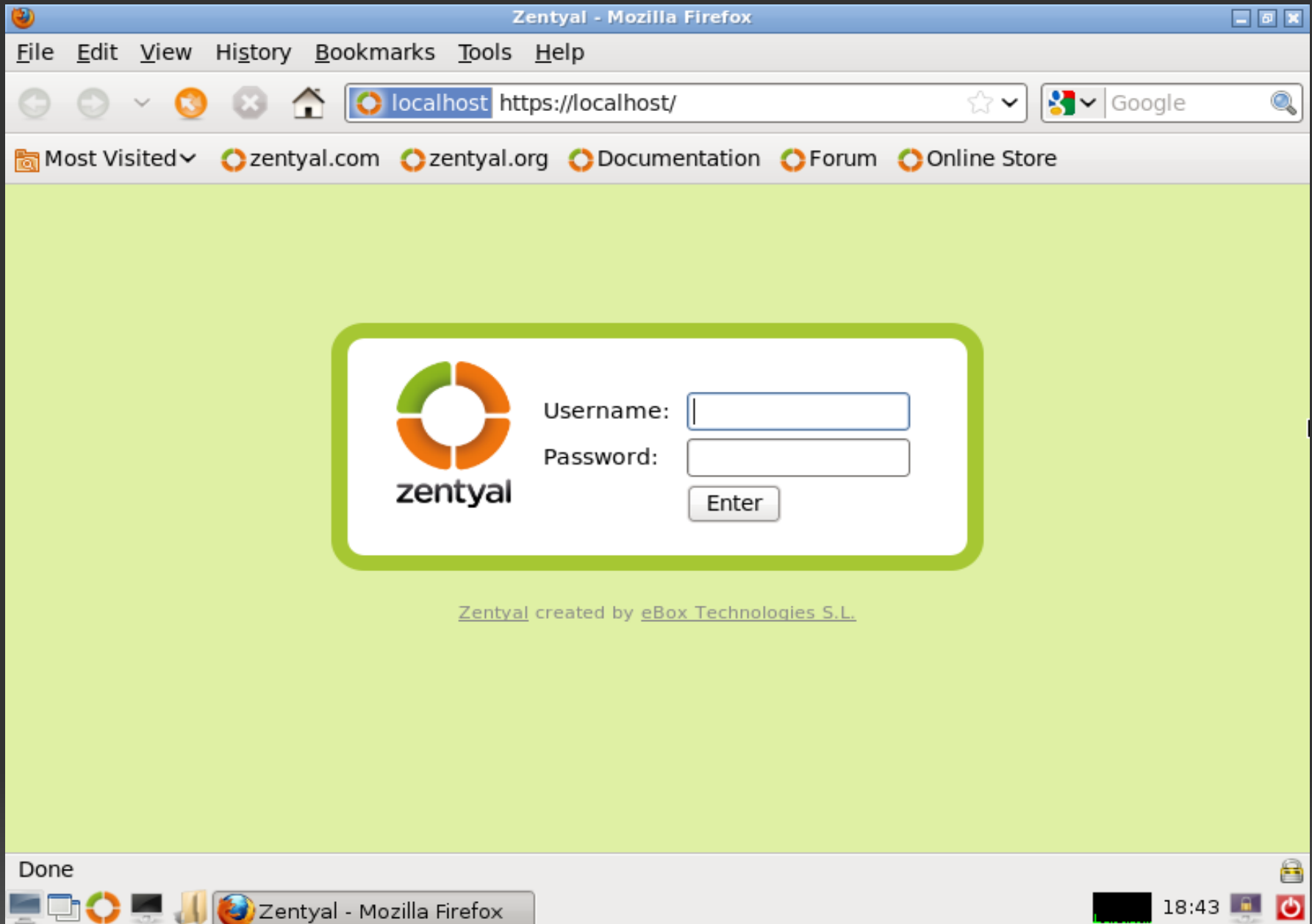
Rescue a broken system

Test memory

Boot from first hard disk

F1 Help F2 Language F3 Keymap F4 Modes F5 Accessibility F6 Other Options

Installation Screenshot 1



Installation Screenshot 2

Package Selection

Confirmation

Installation

Initial Configuration

Save Changes

Choose Zentyal packages to install

[View advanced mode](#)



Gateway - Your access to Internet

Zentyal Gateway can make your network more reliable, optimize your bandwidth and help you to control what is coming in to your network. Waste no more time on inefficient networks.

[More info](#) ↓



UTM - Leave the bad guys out

Internet is a hostile environment, but we can make it more friendly. Zentyal UTM protects your computer networks against any external attacks, intrusions and internal security threats.

[More info](#) ↓



Infrastructure - Manage your network infrastructure

Zentyal Infrastructure manages and optimizes internal traffic in your computer network, including the configuration of domain server and the management of machines and digital certificates.

[More info](#) ↓



Office - Share your office resources

Zentyal Office allows office resources to be managed and shared, including user profiles and group accounts, files, printers, calendars, contacts and tasks, and backup of data.

[More info](#) ↓



Unified Communications - Centralize all your communications

Zentyal Unified Communications Server manages all your communications, including email, instant messaging and VoIP switchboard.

[More info](#) ↓

↓ Install

↪ Skip install

Package Selection Confirmation Installation**Initial Configuration**

Save Changes

Skip

Next

Network interfaces**Select external network interfaces**

You will not be able to connect to Zentyal administration page through them

eth0: Internal External

Skip

Next

Package Selection Confirmation Installation**Initial Configuration**

Save Changes

Initial configuration wizard

Skip

Finish

Users and Groups



Select the type of the server

Choose standalone unless you want LDAP replication or synchronization with Active Directory.

- Standalone server
- Advanced configuration (Master/Slave/AD Sync)

Skip

Finish

Core

- Dashboard
- Module Status
- System
- Network
- Objects
- Services
- Monitor
- Logs
- Events
- Backup
- Software Management
- Subscription
- Gateway
- HTTP Proxy
- Traffic Shaping
- RADIUS
- UTM
- Firewall
- VPN
- Infrastructure
- Certification Authority
- Office
- Users and Groups
- User Corner

Dashboard

[Configure widgets](#)

Zentyal Cloud Connection

OpenVPN daemons

General Information

Time	Mon Oct 18 19:54:47 CEST 2010
Hostname	zentyal
Core version	2.0.4
System load	0.36, 0.43, 0.52
Uptime	1:18
Users	1

HTTP Proxy

Transparent proxy	Disabled
Global policy	Deny
Listening port	3128

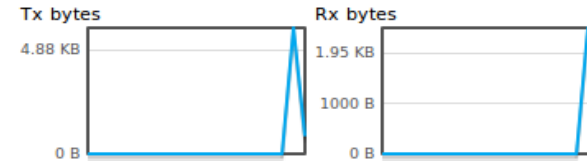
Resources & Services

Community Resources	Subscriptions & Services
FREE Basic Subscription	Commercial Subscriptions
Documentation	Commercial Support
Forum	Zentyal Cloud
Report a bug	Certified Training
How to Contribute	Online Store

Network Interfaces

eth0

Status	up, internal, link ok
MAC address	08:00:27:df:f9:1e
IP address	192.168.100.95



Module Status

Network	Running	
Firewall	Running	
Apache	Running	
Certification Authority	Not created	
Backup	Running	
Events	Running	<input type="button" value="Restart"/>
Logs	Running	<input type="button" value="Restart"/>
Monitor	Running	<input type="button" value="Restart"/>
VPN	Running	<input type="button" value="Restart"/>
RADIUS	Running	<input type="button" value="Restart"/>
Zentyal Cloud Client	Not subscribed	
HTTP Proxy	Running	<input type="button" value="Restart"/>
Traffic Shaping	Running	<input type="button" value="Restart"/>
User Corner	Running	<input type="button" value="Restart"/>
Users and Groups	Running	

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

eth0

Name:

Method: ▼

External (WAN):

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

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

eth0

Name:

Method: ▼

External (WAN):

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

User name:

Password:

Administration Screenshot 1 Network Interfaces

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

eth0

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"/> ▼	
1	192.168.100.203	255.255.255.0	

Administration Screenshot 2 Network Interfaces

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

eth0

vlan1

Name:

Method:

VLAN List

VLAN Id	Description	Action
<input type="text"/>	<input type="text"/>	
1	Vlan:DMZ	

Administration Screenshot 3 Network Interfaces

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

eth0

br1

Name:

Method: ▼

IP address:

Netmask: ▼

Virtual Interfaces

Name	IP address	Netmask	Action
<input type="text"/>	<input type="text"/>	<input type="button" value="255.255.255.0"/> ▼	<input type="button" value="+"/>

Administration Screenshot 4 Network Interfaces

DHCP ranges



Interface IP address: 192.168.100.90





Subnet: 192.168.100.0/24

Available range: 192.168.100.1 - 192.168.100.254

Ranges





[+ Add new](#)





Name	From	To	Action
Marketing	192.168.100.3	192.168.100.30	 

10 Page 1    

Fixed addresses

[+ Add new](#)

Name	MAC address	IP address	Description	Action
Guest1	34:15:9e:14:72:12	192.168.100.210	--	 
Guest2	58:b0:35:5c:47:33	192.168.100.212	--	 

10 Page 1    

Administration Screenshot DHCP Ranges

Certification Authority [\(show help\)](#)

Issue a New Certificate



















Common Name:




Days to expire:

Subject Alternative Names:
Optional

Multi-value separated by commas, only valid types are: DNS, IP and email. For instance,
DNS:host.domain.com,IP:10.2.2.2

Current Certificate List

Name	State	Date	Actions
Certification Authority Certificate from eBox Technologies	Valid	2012-12-03 12:06:11	  
rick.ebox-technologies.com	Valid	2012-12-02 12:06:51	  
nibbler.ebox-technologies.com	Valid	2012-12-02 12:07:14	  
ns.cc.ebox-platform.com	Valid	2012-12-02 12:07:37	  
app1.cc.ebox-platform.com	Valid	2010-06-16 12:07:50	  
app2.cc.ebox-platform.com	Valid	2010-03-10 12:08:02	  
fry.local	Revoked	2010-03-08 12:08:30	

 Revoke  Download Key(s) and Certificate  Renew

CA Server



Updates



Alerts



Reports



Monitoring



Administration



Support

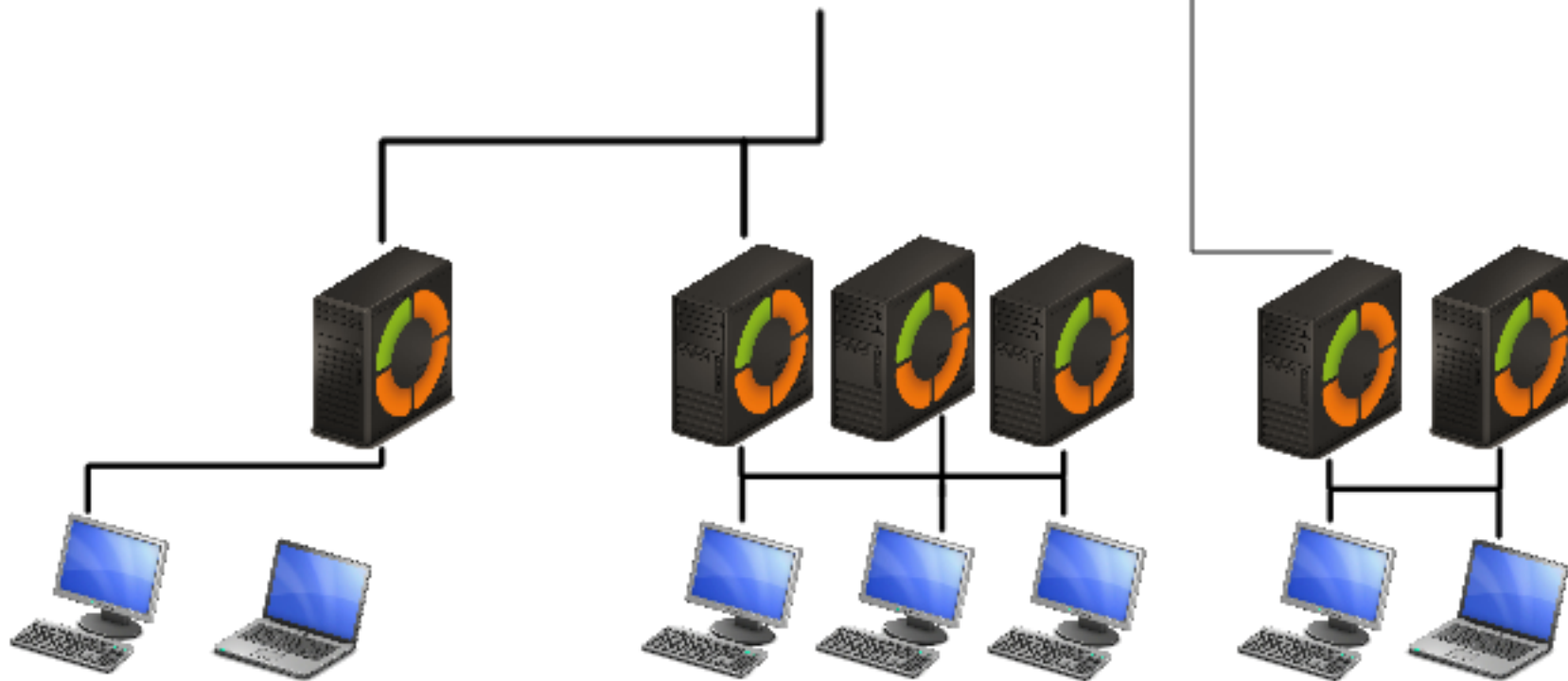


VoIP



Backup

Zentyal Cloud



Zentyal Cloud

Summary

Infrastructure :)

Office Stuff :)

Webserver :)

OpenVPN :)

Jabber :)

Email :)

Anti-Spam :)

Point and Click :)

Open Source :)

Spanish Documentation :)

Spanish Training :)

Infraestructura :)

Cosas de Oficina :)

Webserver :)

OpenVPN :)

Jabber :)

Email :)

Anti-Spam :)

Point and Click :)

Open Source :)

Documentación en Español :)

Capacitación en Español :)

Links

- Doc... doc.zentyal.org
- Shop... store.zentyal.com
- Soporte... www.zentyal.com
- Forum... forum.zentyal.org
- <http://lathama.com/zentyal.pdf>

Nerds

Andrew "lathama" Latham

1984 Logged on to the arpa (Internet)

1996 Teaching Tomorrows Teachers

1997-1999 Dot Com Boom!

eCommerce

1999-2003 Infrastructure

ISO9XXX Security, GAAP, HIPAA, SOX

2004-2009 Non Disclosure Agreements

(NDA)

2009 A Change... Chile!

2010 Gringo Malvado :D

lathama@lathama.com

Christian Jacobsen

Learning to code since 1985

Learning to frag from 1991

Sitting beside the Gringo since 2009

christian@jacobsen.cl