



# Zimbra OSE on Debian

Dobrodošli na radionicu

Zimbra kao alat za potporu i suradnju u uredskom poslovanju.

debian

Visoko učilište Effectus, visoka škola za financije i pravo

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# Zimbra OSE on Effectus

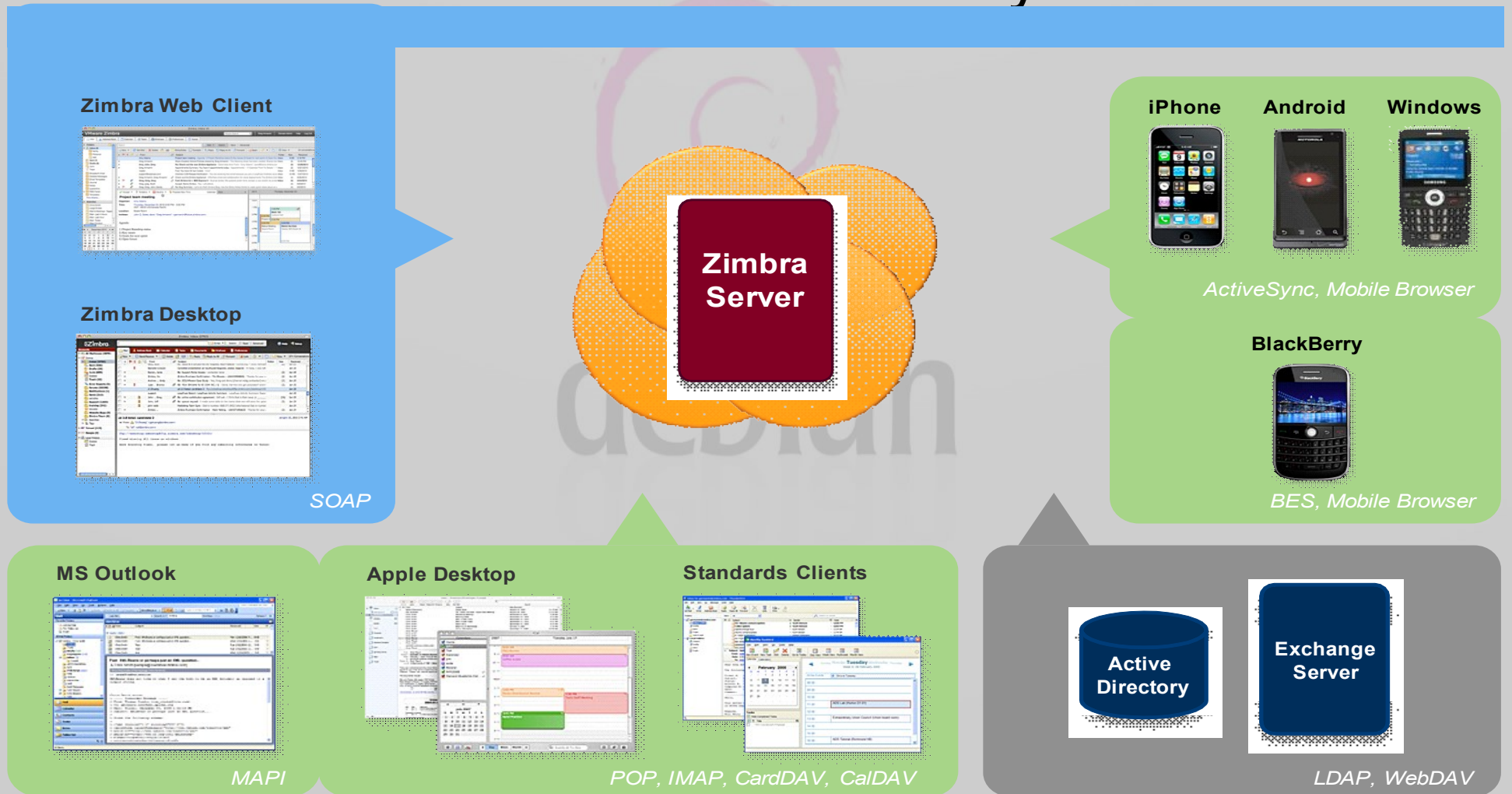
## Poslovne potrebe korisnika sustava:

- 1) Preglednost tisuća poruka u inboxu
- 2) Laka i pregledna administracija korisnika
- 3) Siguran pristup mobilnim uređajima
- 4) Praćenje sastanaka i resursa
- 5) Jednostavno dodavanje kontakata i njihova pretraga
- 6) Antivirusno i antispam rješenje
- 7) Online i Offline pristup
- 8) Korisničko sučelje na multiplatformama.



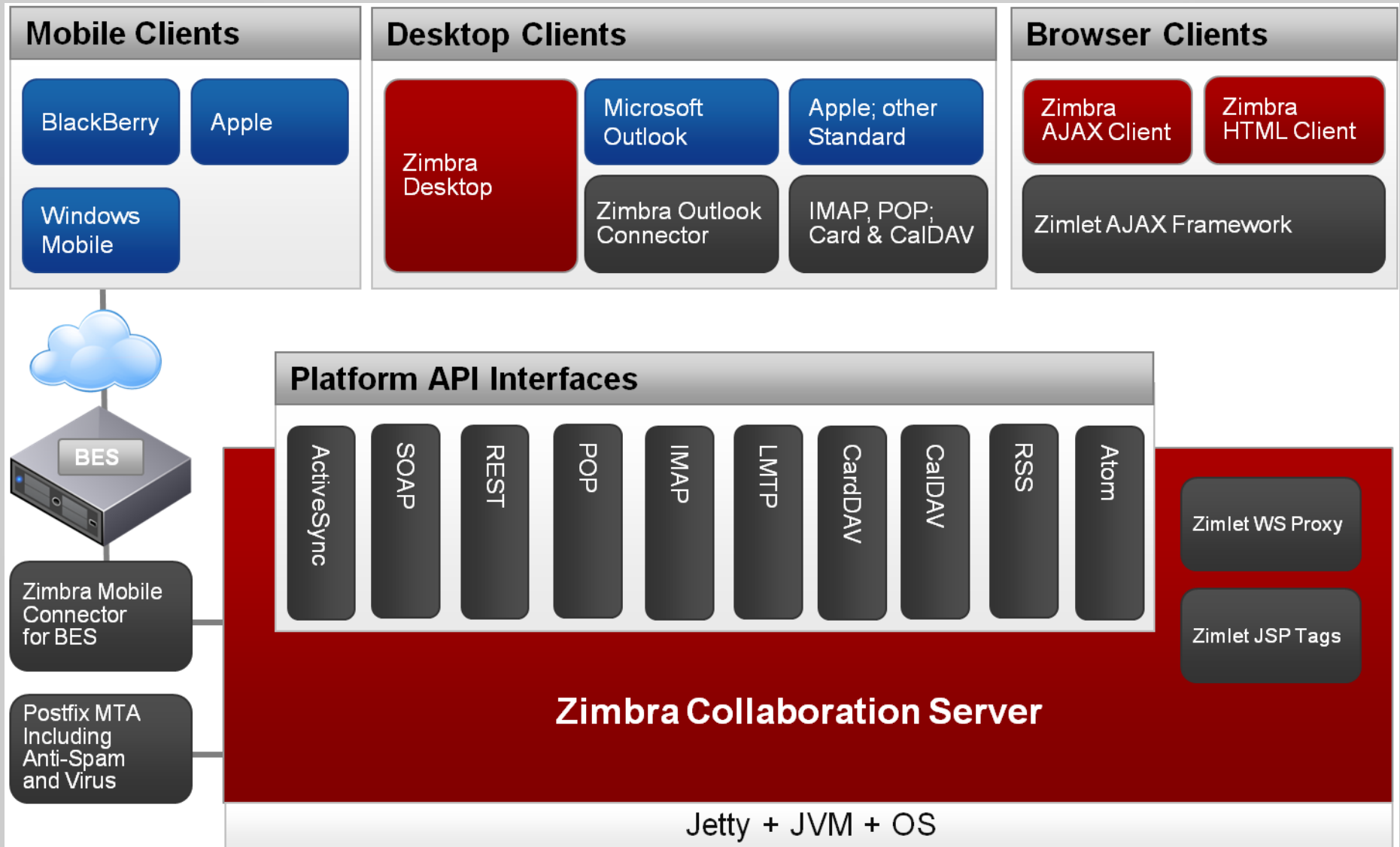
# Zimbra generally

## Zimbra connectivity



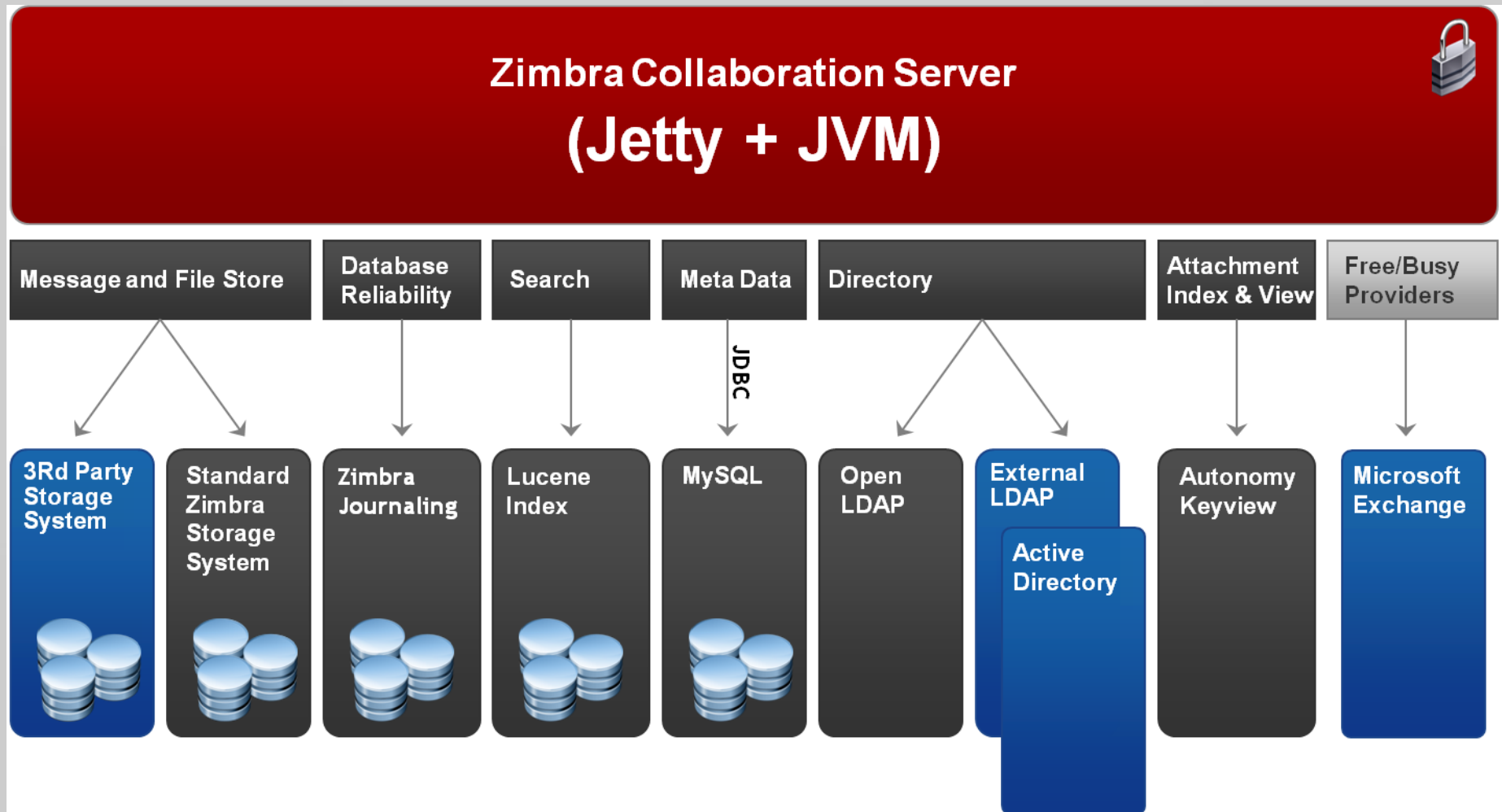


# Zimbra generally





# Zimbra generally





# Zimbra generally

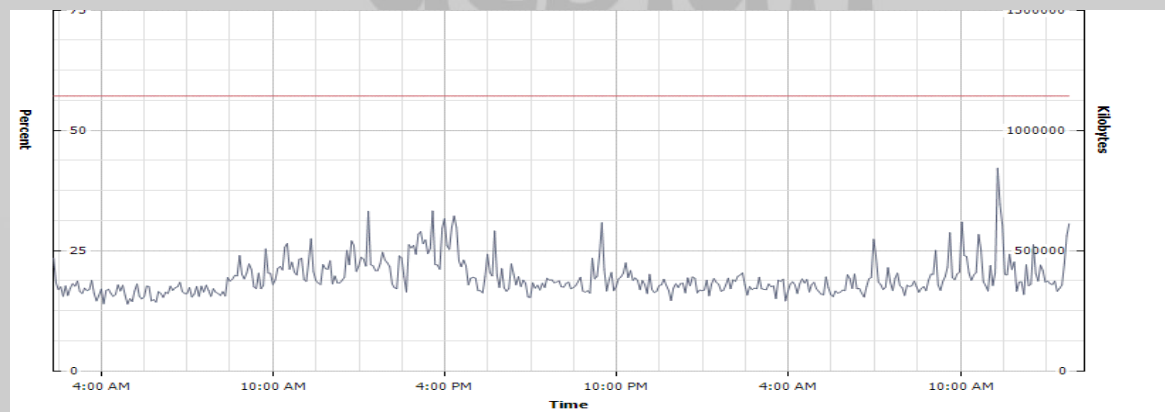
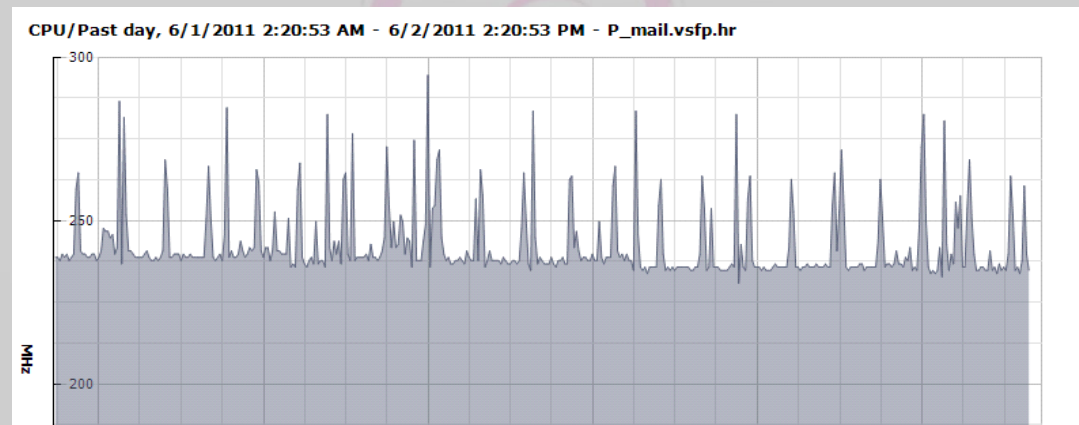
Server	Port
Remote Queue Manager	22
Postfix - MTA	25 – internet facing
HTTP - Proxy	80 – internet facing
POP3 - Proxy	110 – internet facing
IMAP - Proxy	143 – internet facing
LDAP	389
HTTPS - Proxy	443 – internet facing
Mailboxd IMAP SSL - Proxy	993 – internet facing
MailboxD POP SSL - Proxy	995 – internet facing
Mailbox LMTP	7025



# Zimbra OSE on Effectus

Infrastruktura na Effectusu

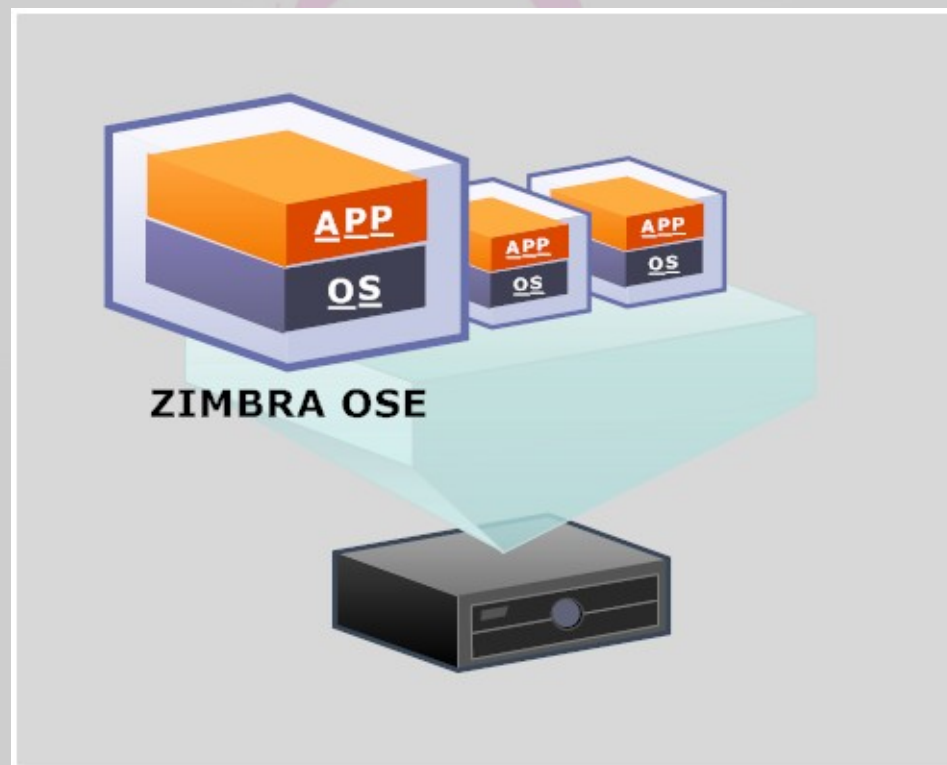
Zimbra server – 1CPU , 1Gb RAM, 70GB HDD





# Zimbra OSE on Effectus

Zimbra je VM

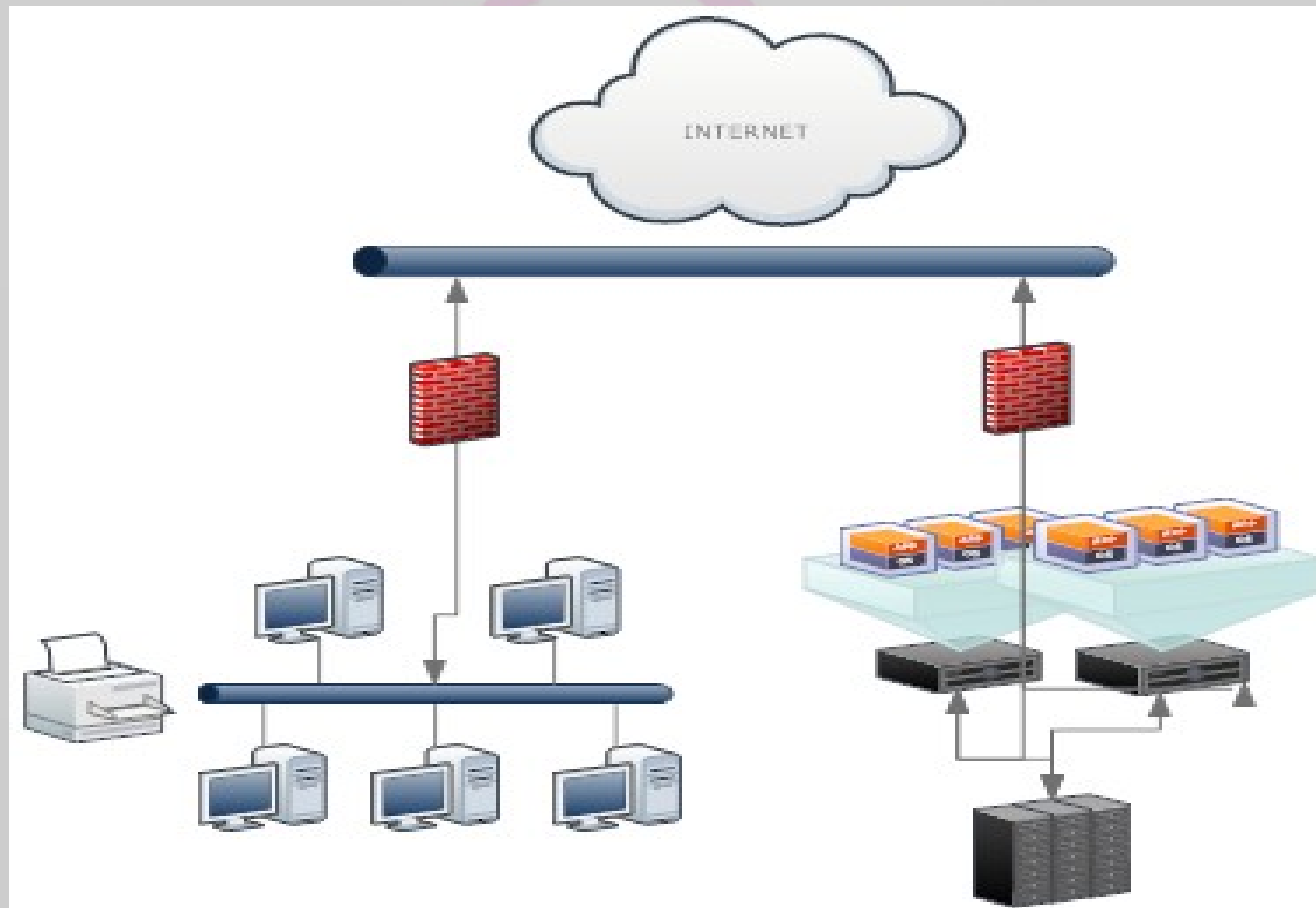






# Zimbra OSE on Effectus

Zimbrino susjedstvo





# Zimbra generally

## Prednosti Zimbra inboxa:

- Pregled grupiranih korespodencija
- Brza indexirana pretraga
- Veliki kapaciteti korisničkih pretinaca
- Uporaba na raznim platformama operativnih sustava
- Offline pristup putem Zimbra desktopa

The screenshot displays the Zimbra web interface. On the left, a 'Folders' pane shows a tree view with 'Inbox (4)' selected, containing sub-folders like 'family', 'Personal', and 'test'. Below it are 'Sent (7)', 'Drafts (8)', 'Spam', and 'Trash'. A 'Searches' section at the bottom lists 'Chris Smith' and 'Lara's Email'. The main area shows a list of 393 conversations, sorted by date. The selected email is 'Re: Check out the new Zimbra Appliance' from John Q. Sales, dated December 29, 2010, at 9:01 PM. The right pane shows the email's details: 'From: "Greg Armanini"', 'To: "John Q. Sales"', and 'Cc: "Amy Adams"'. The email body contains the text 'Perfect, I'll tell them to get started. Best, Greg'. Below the body, the 'From' field is 'John Q. Sales' <john.q.sales>, 'To' is 'Amy Adams' <amy>, 'Cc' is 'Greg Armanini' <garmanini>, and the 'Sent' date is 'Wednesday, December 29, 2010 9:00:08 PM'. The subject is 'Re: Check out the new Zimbra Appliance'. The email body ends with 'Good idea Amy!'.



# Zimbra generally

## Prednosti Zimbra kalendara:

- Upravljanje višestrukim zauzećima
- Pretraga zauzeća resursa
- Djeljenje kalendara i deligiranje obveza
- Desktop I mobilna sinhronizacija

The screenshot displays the Zimbra calendar interface for a 'Staff Meeting' event. The interface includes a navigation bar at the top with tabs for Mail, Address Book, Calendar, Tasks, Blogs, Preferences, and Settings. The main window is titled 'Staff Meeting' and contains the following elements:

- Calendar View:** A calendar grid for January 2011, showing dates from 1 to 31. A sidebar on the left provides 'Suggested times for Jan 05' with options like '4 of 4 5:00 AM' and '3 rooms'.
- Event Details:**
  - Subject:** Staff Meeting
  - Attendees:** Andrew Hawthorn, Andy Pflaum, Jeff Sposetti
  - Optional:** Jim Morrisroe
  - Location:** Board Room
  - Start:** 1/5/2011, 2:30 PM, GMT -08:00 US/Canada Pacific
  - End:** 1/5/2011, 3:00 PM, GMT -08:00 US/Canada Pacific
  - Repeat:** Every Week
  - Reminder:** 5 minutes before
  - Display:** Busy, Calendar
- Scheduler:** A grid view showing the meeting's duration across days. The meeting is scheduled for January 5th from 2:30 PM to 3:00 PM. Attendees listed include Greg Armanini and Andrew Hawthorn.



# Zimbra generally

## Prednosti Zimbra Briefcase i suradnje u uredskom poslovanju,

- Jednostavno dijeljenje datoteka
- Check in/out svih vrsta datoteka, kontrola verzija
- Dijeljenje i deligiranje Inboxa, kontakata, obveza i foldera

The screenshot displays the Zimbra Briefcase interface. The top navigation bar includes 'Calendar', 'Tasks', 'Briefcase', 'Preferences', and 'Social'. Below this is a search bar and a menu with 'Files', 'Search', 'Save', and 'Advanced'. A toolbar contains 'New', 'Upload File', 'Download', 'Edit', 'Delete', 'Send', and 'View'. The main area is divided into a file list on the left and a document preview on the right.

**File List:**

File Name	Author	Date	Size
CAR.docx (4)	garmanini	12/23/2010	6 MB
#4: Final version for Science Fair	garmanini		6 MB
#3: <e>	garmanini		B
#2: <e>	garmanini		B
#1: <e>	garmanini		B
notes.doc	garmanini		KB
anup1	master@roadrunner		B
image001	master@roadrunner		KB

**Document Preview:**

**CAR.docx**  
December 23, 2010 2:29 PM by garmanini  
#4: Final version for Science Fair

**CAR: LEGO RAMP RACER #1**

1	Base weight	100G
2	Weight with penny roll	356G
3	Weight with penny and quarter rolls	548G

The preview also includes a photograph of a LEGO ramp racer and a diagram with an arrow pointing to a box.



# Zimbra generally

## Zimbra Zimlete

Zimlete su 3<sup>rd</sup> party aplikacije bazirane na web servisima I direktno integrirane u Zimbra OSE.

salesforce.com  
Success. Not Software.™

dmdm

twitter

Google translate

skype

facebook

webex

BROADSOFT  
Innovation calling.

flickr

digium  
The External Callers

SUNGARD

ProcessMaker  
Workflow Engine

The screenshot displays the Zimbra Social interface. At the top, there are navigation tabs for Mail, Address Book, Calendar, Tasks, Briefcase, and Preferences, along with a 'Social' tab. Below the navigation, there is a search bar and a 'Mail' dropdown menu. The main content area shows a search for 'facebook' with results from various social media sources. The results include a post from TechCrunch, a mention from mconneilt150, a tweet from vmwdave, and a tweet from uncrate. The interface also shows a sidebar with 'Accounts' and 'Twitter Searches'.



# Zimbra OSE on Debian

Stimulation video:

<http://www.youtube.com/watch?v=6wr1vDZJywA>

Hvala na pažnji

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# Zimbra Radionica

Na radionici svaki korisnik ima po dva virtualna poslužitelja u istom NAT-anom subnetu.

Prvi poslužitelj je unaprijed instalirani i konfigurirani DNS (Bind) poslužitelj.

Drugi poslužitelj je standardna instalacija CARnet Debian-a.





# Zimbra Radionica

Osnovni podaci o VM-ovima:

Hosts:

ns01.example.com (1CP i 512 MB RAM),  
mail.example.com (1 CPU i 1024 MB RAM)

IP:

192.168.200.6/24 (ns01.example.com),  
192.168.200.5/24(mail.example.com)

Pristup SSH:

root:lozinka, korisnik:lozinka

\*ostavili smo sigurnosni propust root logiranja zbog pojednostavljivanja radionice





# Zimbra Radionica

Dobri temelji kao prvi i osnovni korak:

1) kreiranje A i MX host zapisa unutar example.com domene na DNS poslužitelju

2) Izmjene na standard CARnet instalaciji

2.1 ) vi /etc/network/interfaces (postaviti statičku ip adresu),

2.2) vi /etc/hosts (unjeti localhost, fq domainname i hostname),

2.3) vi /etc/resolv.conf (postaviti ns01 kao DNS poslužitelj),

2.4) apt-get remove exim4 i update-rc.d -f exim4 remove  
(ukloniti Exim servis)

2.5) apt-get install libexpat1, sqlite3, sysstat, sudo (dodavanje potrebnih paketa)



# Zimbra Radionica

Instalacija:  
(kao root)

```
# cd /home/korisnik/zcs-7.1.0_GA_3140.DEBIAN5.20110329135356
```

```
# ./instal.sh
```



# Zimbra Radionica

## IZBOR ZIMBRA SERVISA KOJI ĆE BITI INSTALIRANI

```
Select the packages to install
Install zimbra-ldap [Y] y
Install zimbra-logger [Y] y
Install zimbra-mta [Y] y
Install zimbra-snmp [Y] y
Install zimbra-store [Y] y
Install zimbra-apache [Y] y
Install zimbra-spell [Y] y
Install zimbra-memcached [N] y
Install zimbra-proxy [N] y_
```



# Zimbra radionica

## Postavke nakon instalacije, part 1

### Main menu

- 1) Common Configuration:
  - +Hostname: mail.example.com
  - +Ldap master host: mail.example.com
  - +Ldap port: 389
  - +Ldap Admin password: set
  - +Require secure interprocess communications:yes
  - +TimeZone:
  
- 2) zimbra-ldap: Enabled
  - +Create Domain: yes
  - +Domain to create: mail.example.com
  - +Ldap root password: set
  - +Ldap replication password: set
  - +Ldap postfix password: set
  - +Ldap amavis password: set
  - +Ldap nginx password: set



# Zimbra Radionica

## Postavke nakon instalacije, part 2

```
3) zimbra-store: Enabled
+Create Admin User: yes
+Admin user to create:      korisnik@mail.example.com
+Admin Password set
+Enable automated spam training: yes
+Spam training user:      spam.rstn2r@mail.example.com
+Non-spam(Ham) training user: ham.bvjx1w@mail.example.com
+Global Documents Account: wiki@mail.example.com
+SMTP host: mail.example.com
+Web server HTTP port: 80
+Web server HTTPS port: 443
+Web server mode: http
+IMAP server port: 143
+IMAP server SSL port: 993
+POP server port: 110
+POP server SSL port: 995
+Use spell check server: yes
+Spell server URL:      http://mail.example.com:7780/aspell.php
+Enable version update checks: TRUE
+Configure store for use with reverse mail proxy: FALSE
+Configure store for use with reverse web proxy: FALSE
+License filename:      UNSET
```



# Zimbra Radionica

## Postavke nakon instalacije, part 3

- 4) zimbra-mta: Enabled
- 5) zimbra-snmp: Enabled
- 6) zimbra-logger: Enabled
- 7) zimbra-spell: Enabled
- 8) zimbra-convertd: Enabled
- 9) Default Class of Service Configuration:
- 10) Enable default backup schedule: yes
- r) Start servers after configuration yes
- s) Save config to file
- x) Expand menu
- q) Quit



# Zimbra Radionica

**\*\*\* CONFIGURATION COMPLETE - press 'a' to apply**

Select from menu, or press 'a' to apply config (? - help) a

Save configuration data to a file? [Yes] y

Save config in file: [/opt/zimbra/config.20644]

Saving config in /opt/zimbra/config.20644...done.

The system will be modified - continue? [No] y

Setting zimbraFeatureIMEnabled=FALSE...done.

Setting zimbraFeatureTasksEnabled=TRUE...done.

.

Installing common zimlets...

com\_zimbra\_bulkprovision...done.

com\_zimbra\_date...done.

com\_zimbra\_email...done.

com\_zimbra\_cert\_manager...done.

.

Moving /tmp/zmsetup.10222008-134611.log to /opt/zimbra/log

**Configuration complete - press return to exit**



# Zimbra Radionica

## PROVJERA SERVISA - putem konzole -

```
[zimbra@mail ~]$ su zimbra  
[zimbra@mail ~]$ zmcontrol status  
Host example.com  
antispam Running  
antivirus Running  
convertd Running  
ldap Running  
logger Running  
mailbox Running  
mta Running  
snmp Running  
spell Running  
stats Running  
[zimbra@mail ~]$
```





# Zimbra Radionica

Administratorsko sučelje  
(<https://192.168.200.5:7071>)

vmware Zimbra

Search Search Zimbra Advanced Search bdenisov@vsfp.hr Log Out Help Desk Downloads

**Server Status**

Server Status  
Updated: 4:05 PM Refresh

Server	Service	Time
mx1.vsfp.hr	✓ mailbox	Jun 21, 2011 4:04 PM
	✓ spell	Jun 21, 2011 4:04 PM
	✓ logger	Jun 21, 2011 4:04 PM
	✓ mta	Jun 21, 2011 4:04 PM
	✓ imapproxy	Jun 21, 2011 4:04 PM
	✓ antispam	Jun 21, 2011 4:04 PM
	✓ stats	Jun 21, 2011 4:04 PM
	✓ zmconfigd	Jun 21, 2011 4:04 PM
	✓ ldap	Jun 21, 2011 4:04 PM
	✓ antivirus	Jun 21, 2011 4:04 PM
	✓ snmp	Jun 21, 2011 4:04 PM

Navigation menu:

- Addresses
  - Accounts
  - Aliases
  - Distribution Lists
  - Resources
- Configuration
  - Class of Service
  - Domains
  - Server settings
  - Zimlets
  - Admin Extensions
  - Global Settings
- Monitoring
  - Server Status
  - Server Statistics
- Tools
  - Mail Queues
  - Certificates
  - Software Updates
  - Account Migration
- Searches
  - Inactive Accounts (90 da
  - Locked Out Accounts



# Zimbra Radionica

HVALA NA PAŽNJI!

- za sva pitanja nejasnoće ili prigovore -

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