

Zentyal: Suživot slobodnog i komercijalnog softwarea



Kod traženja besplatnih softverskih rješenja za naše probleme treba imati na umu da i *open source* ima svoje licence i često se nudi uz komercijalnu uslugu održavanja. Ponekad se uz besplatan kod nude i dodaci koji su autorski zaštićeni. Sve je to vidljivo i na primjeru Zentyal SBS-a, koji na svojim [stranicama](#) [1] nudi tri modela korištenja: *Basic Subscription*, *Small Business Edition* i *Enterprise Edition*.

Zentyal SBS (nekadašnji E-Box) je Linux server namjenjen malim i srednjim organizacijama koje trebaju gateway, NAT, DHCP, web, e-mail, groupware, print server, upravljanje mrežom itd. Sve su te funkcionalnosti objedinjene na jednom računalu, a administrator bira koje će instalirati i aktivirati.

Izvorni kod je dostupan pod [GPL licencom](#) [2], ali pojedini dijelovi, poput *groupwarea*, dolaze s vlasničkim licencama. Zentyal je, koristeći kod postojećih *open source* projekata i dopunjavajući ga vlastitim, razvila španjolska tvrtka eBox Technologies S.L. Projekt je financijski pomogla organizacija CDTI (agencija španjolskog Ministarstva industrije, trgovine i turizma).

Za *Basic Subscription* koji košta 0 € navodi se da služi za "testne svrhe, nema održavanja i dogradnji". Tu se za skidanje nudi **Zentyal 2.2-2 Community Edition**. Ovo zvuči malo drastično: nema dogradnji, a kad se kaže "testne potrebe", to zvuči kao da nemate mogućnost daljnog održavanja. Ali nije sve tako crno. Budući da koristim Zentyal odlučio sam testirati dogradnju na novu verziju bez podrške proizvođača.

Zentyal je baziran na popularnoj Ubuntu distribuciji Linuxa. Na verziju 2.2 Zentyala migrirao sam sa verzije 2.0, pomoću skripte koja se nalazi na Zentyalovoj [wiki stranici](#) [3]. Sam proces podsjeća na skriptu "carnet-upgrade" koju nam kolege iz CARNeta pripremaju u za prelazak na višu verziju Debiana. Naravno, najprije napravimo rezervnu kopiju sistema kojeg dograđujemo i probamo "restore" podataka, tako da smo sigurni da je kopija ispravna i upotrebljiva. U mom slučaju koristio sam [Clonezilla](#) [4]. Kloniranu kopiju vratio sam na hardware identičan onom na kojem se nalazi produkcijski Zentyal server. Ovakav način osiguranja pokazao se kao elegantan i pouzdan.

Osim prelaska između glavnih verzija u Zentyal web sučelju kroz "Software Managment-Zentyal Components" nude se dogradnje pojedinih komponenti unutar instalirane verzije.

Zentyal components

- Core
- Dashboard
- Module Status
- System
- Network
- Maintenance
- Software Management
 - Zentyal Components
 - System Updates
 - Settings
- Subscription
- Gateway
- HTTP Proxy
- Traffic Shaping
- RADIUS
- UTM
- Firewall
- VPN
- Infrastructure
- DHCP
- DNS
- Certification Authority
- Office
 - Users and Groups
 - File Sharing

! Warning: The updates are community based and there is no guarantee that your server will work properly after applying them. Servers in production environments should have quality assured (QA) software updates. Purchase a [Professional](#) or [Enterprise](#) Subscription to gain access to QA updates.

[View basic mode](#)

Install
Update (12)
Delete

Search :

Component ▲	Installed version ◆	Latest version ◆	Select
Backup	2.2.2	2.2.4	<input type="checkbox"/>
Cloud Client	2.2.2	2.2.9	<input type="checkbox"/>
Common Library	2.2.2	2.2.3	<input type="checkbox"/>
Core	2.2.4	2.2.7	<input type="checkbox"/>
DNS Service	2.2.1	2.2.2	<input type="checkbox"/>
HTTP Proxy (Cache and Filter)	2.2.1	2.2.5	<input type="checkbox"/>
Monitor	2.2.1	2.2.3	<input type="checkbox"/>
Network Configuration	2.2.3	2.2.7	<input type="checkbox"/>
Software Management	2.2.2	2.2.5	<input type="checkbox"/>
Traffic Shaping	2.2	2.2.1	<input type="checkbox"/>
Users and Groups	2.2.5	2.2.6	<input type="checkbox"/>
VPN Service	2.2	2.2.3	<input type="checkbox"/>

Update
Update list
Select All
Deselect All

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U kartici "Software management -System Updates" nude se i dogradnje Ubuntu na kojem je instaliran Zentyal.
















Logout Save changes

System updates

- Core
- Dashboard
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Community updates are available for the following system components:

Component	Description	Version	Update
 clamav	anti-virus utility for Unix - command-line interface	0.96.5+dfsg-1ubuntu1.10.04.4	<input type="checkbox"/>
 clamav-freshclam	anti-virus utility for Unix - virus database update utility	0.96.5+dfsg-1ubuntu1.10.04.4	<input type="checkbox"/>
 apt-transport-https	APT https transport	0.7.25.3ubuntu9.13	<input type="checkbox"/>
 clamav-base	anti-virus utility for Unix - base package	0.96.5+dfsg-1ubuntu1.10.04.4	<input type="checkbox"/>
 libclamav6	anti-virus utility for Unix - library	0.96.5+dfsg-1ubuntu1.10.04.4	<input type="checkbox"/>
 php5-gd	GD module for php5	5.3.2-1ubuntu4.17	<input type="checkbox"/>
 apt-utils	APT utility programs	0.7.25.3ubuntu9.13	<input type="checkbox"/>
 apt	Advanced front-end for dpkg	0.7.25.3ubuntu9.13	<input type="checkbox"/>
 firefox	Safe and easy web browser from Mozilla	13.0.1+build1-0ubuntu0.10.04.1	<input type="checkbox"/>
 clamav-daemon	anti-virus utility for Unix - scanner daemon	0.96.5+dfsg-1ubuntu1.10.04.4	<input type="checkbox"/>
libgcrypt11	LGPL Crypto library - runtime library	1.4.4-5ubuntu2.1	<input type="checkbox"/>
 firefox-branding	Safe and easy web browser from Mozilla - transitional package	13.0.1+build1-0ubuntu0.10.04.1	<input type="checkbox"/>
 libapache2-mod-php5	server-side, HTML-embedded scripting language (Apache 2 module)	5.3.2-1ubuntu4.17	<input type="checkbox"/>
 php5-common	Common files for packages built from the php5 source	5.3.2-1ubuntu4.17	<input type="checkbox"/>
Update all packages			<input type="checkbox"/>

This operation can take some time, don't worry if Zentyal looks unresponsive after pressing the Upgrade button.

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Sada se vraćamo na onu početnu tvrdnju i pitamo se: Kako to da se u izborniku nude dogradnje, a na webu je objavljeno da ih za ovo izdanje nema! Odgovor se krije u žuto naglašenom upozorenju.

System updates

Warning: The updates are community based and there is no guarantee that your server will work properly after applying them. Servers in production environments should have quality assured (QA) software updates. Purchase a Professional or Enterprise Subscription to gain access to QA updates.

Sve dogradnje besplatnog izdanja su "community based" i nisu prošle kontrolu kvalitete Zentyal QA tima. Pristup privatnim repozitorijima s oznakom QA imaju samo korisnici koji plaćaju pretplatu za *Small Business Edition* i *Enterprise Edition*. Ilustracija je uzeta iz [prezentacije](#) [5]:


```
Version table: 2.2.7 0
500 http://ppa.launchpad.net/zentyal/2.2/ubuntu/ lucid/main Packages
*** 2.2.3 0
100 /var/lib/dpkg/status
```

```
# apt-cache policy zentyal-ebackup
zentyal-ebackup:
Installed: 2.2.2
Candidate: 2.2.4
Version table: 2.2.4 0
500 http://ppa.launchpad.net/zentyal/2.2/ubuntu/ lucid/main Packages
*** 2.2.2 0
100 /var/lib/dpkg/status
```

Ako želimo dograditi sve Zenyal-module na zadnje verzije i sve sigurnosne dopune sa Ubuntu repozitorija, pokrenemo poznatu naredbu:

```
# apt-get dist-upgrade
```

Ukoliko želimo nadograditi neki modul posebno primjenimo oblik naredbe:

```
# apt-get install zentyal-network
```

Odlučujemo se za potpunu dogradnju i to izgleda kao ispis u nastavku.

```
# apt-get dist-upgrade
Reading package lists... Done
Building dependency tree
Reading state information... Done
Calculating upgrade... Done
The following packages will be upgraded:
 apt apt-transport-https apt-utils clamav clamav-base clamav-daemon clamav-
freshclam firefox firefox-branding libapache2-mod-php5 libclamav6
 libgcrypt11 php5-common php5-gd zentyal-common zentyal-core zentyal-dns zentyal-
ebackup zentyal-monitor zentyal-network zentyal-openvpn
 zentyal-remoteservices zentyal-software zentyal-squid zentyal-trafficshaping zentyal-
users
26 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
Need to get 31.5MB of archives.
After this operation, 299kB of additional disk space will be used.
Do you want to continue [Y/n]? y
WARNING: The following packages cannot be authenticated!
 zentyal-common zentyal-core zentyal-network zentyal-dns zentyal-ebackup zentyal-
monitor zentyal-openvpn zentyal-software zentyal-remoteservices
 zentyal-users zentyal-squid zentyal-trafficshaping
Install these packages without verification [y/N]? y
....

....
Setting up libapache2-mod-php5 (5.3.2-1ubuntu4.17) ...
 * Reloading web server config apache2 [ OK ]
Setting up php5-gd (5.3.2-1ubuntu4.17) ...
Setting up zentyal-common (2.2.3) ...
Setting up zentyal-core (2.2.7) ...
```

```
Setting up zentyal-network (2.2.7) ...
* Restarting Zentyal module: network [ OK ]
Setting up zentyal-dns (2.2.2) ...
* Restarting Zentyal module: dns [ OK ]
Setting up zentyal-ebackup (2.2.4) ...
Installing new version of config file /etc/zentyal/ebackup.conf ...
Setting up zentyal-monitor (2.2.3) ...
Setting up zentyal-openvpn (2.2.3) ...
* Restarting Zentyal module: openvpn [ OK ]
Setting up zentyal-software (2.2.5) ...
Setting up zentyal-remoteservices (2.2.9) ...
Installing new version of config file /etc/zentyal/remoteservices.conf ...
Setting up zentyal-users (2.2.6) ...
* Restarting Zentyal module: users [ OK ]
Setting up zentyal-squid (2.2.5) ...
* Restarting Zentyal module: squid [ OK ]
Setting up zentyal-trafficshaping (2.2.1) ...
Processing triggers for libc-bin ...
ldconfig deferred processing now taking place
Processing triggers for zentyal-core ...
* Restarting Zentyal module: apache [ OK ]
* Restarting Zentyal module: logs [ OK ]
* Restarting Zentyal module: events [ OK ]
```

Prelazak na novu verziju u potpunosti je uspio. Možemo zaključiti da nas proizvođač malo "plaši" sa svoje web stranice parolama tipa "nema dogradnji, samo za testiranje", jer nas želi privući da postanemo pretplatnici neke od komercijalnih verzija. Cijena je prihvatljiva za organizacije koje mogu za održavanje servera plaćati od par desetaka do nekih stotinjak € na mjesec. Tko si ne može priuštiti takvu podršku, morat će se snalaziti sam. Po svemu sudeći, zajednica koja održava slobodnu verziju sposobna je i omogućava nam da uspijemo i bez plaćene podrške. Naravno, sa većim zahvatima ne treba žuriti, bolje je pričekati da zajednica sve dobro provjeri i dotjera.

Vezani sadržaji:

[Prezentacija](#) [7] o Zentyalu sa CUC-a 2011

pon, 2012-07-16 10:38 - Goran Šljivić **Vijesti:** [Linux](#) [8]

Kategorije: [Mreža](#) [9]

Vote: 0

No votes yet

Source URL: <https://sysportal.carnet.hr/node/1064>

Links

[1] <http://www.zentyal.com/pricing-editions/>

[2] https://secure.wikimedia.org/wikipedia/en/wiki/GNU_General_Public_License

- [3] <http://trac.zentyal.org/wiki/Documentation/Community/Migration>
- [4] <http://clonezilla.org/>
- [5] http://events.zentyal.com/wp-content/uploads/2011/11/zentyal_summit_2011_zentyal_server_maintenance_with_zentyal_cloud_ejhernandez.pdf
- [6] <http://trac.zentyal.org/wiki/Documentation/Community/Updates?redirectedfrom=Document/Documentation/Updates>
- [7] <https://sysportal.carnet.hr/system/files/Zentyal.pdf>
- [8] <https://sysportal.carnet.hr/taxonomy/term/11>
- [9] <https://sysportal.carnet.hr/taxonomy/term/29>