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## Instalación del servidor LDS en Zimbra 10.1 (Ubuntu 22.04)

### Consideraciones Iniciales:

- El dominio a configurar en la arquitectura de correo zimbra 10.1 multiserver es: zimbra.com.ve.
- Sistema Operativo empleado Ubuntu Server LTS 22.04 LTS
- Los accesos a los servidores será a través de NAT (IP's privadas).
- El servidor LDS se puede instalar en un mta, un proxy o en un único servidor, pero es requisito fundamental que se instale antes del primer MBX.

### Contenido:

- 1.- Actualización del sistema operativo.
- 2.- Asignamos IP estática, gateway y DNS.
- 3.- Validamos todos los registros del host y el registro MX en el DNS.
- 4.- Modificar la tabla host para el ldap maestro (mta01.zimbra.com.ve).
- 5.- Cambiamos el nombre del hostname.
- 6.- Validación de a Fecha del servidor o instalación del servicio NTP.
- 7.- Instalación del servidor LDS.

### 1.- Actualización del Sistema Operativo.

```
root@plantilla:~# sudo apt update  
root@plantilla:~# sudo apt upgrade -y
```

### 2.- Asignamos IP estática, gateway y DNS.

```
root@plantilla:~/# nano /etc/netplan/00-installer-config.yaml
```

```
# This is the network config written by 'subiquity'
```

```
network:  
  ethernets:  
    eth0:
```



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```
dhcp4: no
addresses: [192.168.1.15/24]
gateway4: 192.168.1.1
nameservers:
addresses: [192.168.1.6]
version: 2
```

Aplicamos los cambios, si está conectado vía ssh perderá conexión, intente conectarse con la nueva IP asignada

```
root@plantilla:~# netplan generate
root@plantilla:~# netplan apply
```

### 3.- Validamos todos los registros del host y el registro MX en el DNS

```
root@plantilla:~# dig A lds.zimbra.com.ve
;; ANSWER SECTION:
lds.zimbra.com.ve. 3600 IN A 192.168.1.15
```

```
root@plantilla:~# dig MX zimbra.com.ve
;; ANSWER SECTION:
zimbra.com.ve. 3600 IN MX 10 mta01.zimbra.com.ve.
```

```
root@plantilla:~# dig A mta01.zimbra.com.ve
;; ANSWER SECTION:
mta01.zimbra.com.ve. 3600 IN A 192.168.1.13
```

```
root@plantilla:~# dig -x 192.168.1.13
;; ANSWER SECTION:
13.1.168.192.in-addr.arpa. 3600 IN PTR mta01.zimbra.com.ve.
```



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#### 4.- Modificar la tabla host para LDS (lds.zimbra.com.ve)

Editamos la tabla hosts, agregamos el nombre e IP y desactivamos IPv6

```
root@plantilla:~# nano /etc/hosts
127.0.0.1 localhost
192.168.1.15 lds.zimbra.com.ve lds
```

# The following lines are desirable for IPv6 capable hosts

```
:::1 ip6-localhost ip6-loopback
#fe00::0 ip6-localnet
#ff00::0 ip6-mcastprefix
#ff02::1 ip6-allnodes
#ff02::2 ip6-allrouters
```

#### 5.- Cambiamos el nombre del hostname

```
root@plantilla:~# nano /etc/hostname
```

```
lds.zimbra.com.ve
```

```
root@plantilla:~# reboot
```

#### 6.- Validación de a Fecha del servidor o instalación del servicio NTP.

Verificar si está instalado ntp

```
apt show ntp
```

Instalar ntp

```
apt install ntp
```

Detener el ntp

```
/etc/init.d/ntp stop
```



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Editamos el documento de configuración  
nano /etc/ntp.conf

Sincronizar con el servidor ntp  
ntpdate xxxx.yyyy.zzzz.tttt

Iniciar de nuevo el servicio ntp  
/etc/init.d/ntp start

### 7.- Instalación del servidor LDS.

```
root@prx01:/usr/local/src/zcs# ./install.sh
```

Do you agree with the terms of the software license agreement? [N] y

Use Zimbra's package repository [Y] y

Importing Zimbra GPG key

Configuring package repository

Checking for installable packages

Found zimbra-core (local)

Found zimbra-ldap (local)

Found zimbra-logger (local)

Found zimbra-mta (local)

Found zimbra-dnscache (local)

Found zimbra-snmp (local)

Found zimbra-license-daemon (repo)

Found zimbra-store (local)

Found zimbra-apache (local)



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Found zimbra-spell (local)  
Found zimbra-convertd (local)  
Found zimbra-memcached (repo)  
Found zimbra-proxy (local)  
Found zimbra-archiving (local)  
Found zimbra-onlyoffice (repo)  
Found zimbra-license-tools (local)  
Found zimbra-license-extension (local)  
Found zimbra-network-store (local)  
Found zimbra-modern-ui (repo)  
Found zimbra-modern-zimlets (repo)  
Found zimbra-zimlet-document-editor (repo)  
Found zimbra-zimlet-classic-document-editor (repo)  
Found zimbra-zimlet-classic-set-default-client (repo)  
Found zimbra-patch (repo)  
Found zimbra-mta-patch (repo)  
Found zimbra-proxy-patch (repo)  
Found zimbra-ldap-patch (repo)

Select the packages to install

**Install zimbra-ldap [Y] n**  
**Install zimbra-logger [Y] n**  
**Install zimbra-mta [Y] n**  
**Install zimbra-dnscache [N] n**  
**Install zimbra-snmp [Y] y**  
**Install zimbra-license-daemon [Y] y**  
**Install zimbra-store [Y] n**  
**Install zimbra-apache [Y] n**  
**Install zimbra-spell [Y] n**  
**Install zimbra-memcached [Y] n**  
**Install zimbra-proxy [Y] n**  
**Install zimbra-archiving [N] n**



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**Install zimbra-onlyoffice [Y] n**

Checking required space for zimbra-core

Installing:

zimbra-core

zimbra-snmp

zimbra-license-daemon

zimbra-license-tools

**The system will be modified. Continue? [N] y**

Beginning Installation - see /tmp/install.log.jvcyuPOd for details...

zimbra-core-components will be downloaded and installed.

zimbra-timezone-data will be installed.

zimbra-common-core-jar will be installed.

zimbra-common-mbox-conf-attrs will be installed.

zimbra-common-mbox-conf-msgs will be installed.

zimbra-common-mbox-native-lib will be installed.

zimbra-common-mbox-conf-rights will be installed.

zimbra-common-mbox-conf will be installed.

zimbra-common-mbox-db will be installed.

zimbra-common-mbox-docs will be installed.

zimbra-common-core-libs will be installed.

zimbra-core will be installed.

zimbra-snmp-components will be downloaded and installed.

zimbra-snmp will be installed.

zimbra-license-daemon will be downloaded and installed.

zimbra-license-tools will be installed.



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Downloading packages (3):

zimbra-core-components  
zimbra-snmp-components  
zimbra-license-daemon  
...done

Removing /opt/zimbra

Removing zimbra crontab entry...done.

Cleaning up zimbra init scripts...done.

Cleaning up /etc/security/limits.conf...done.

Finished removing Zimbra Collaboration Server.

Installing repo packages (3):

zimbra-core-components  
zimbra-snmp-components  
zimbra-license-daemon  
...done

Installing local packages (13):

zimbra-timezone-data  
zimbra-common-core-jar  
zimbra-common-mbox-conf-attrs  
zimbra-common-mbox-conf-msgs  
zimbra-common-mbox-native-lib  
zimbra-common-mbox-conf-rights  
zimbra-common-mbox-conf  
zimbra-common-mbox-db  
zimbra-common-mbox-docs  
zimbra-common-core-libs  
zimbra-core  
zimbra-snmp  
zimbra-license-tools  
...done



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Running Post Installation Configuration:

Copying /tmp/install.log.jvcyuPOd to /opt/zimbra/log  
Operations logged to /tmp/zmsetup.20240824-145533.log  
Setting defaults...done.  
Checking for port conflicts

Main menu

1) Common Configuration:

+Hostname: lds.zimbra.com.ve  
\*\*\*\*\* +Ldap master host: UNSET  
+Ldap port: 389  
\*\*\*\*\* +Ldap Admin password: UNSET  
+LDAP Base DN: cn=zimbra  
+Store ephemeral attributes outside Ldap: no  
+Secure interprocess communications: yes  
+TimeZone: UTC  
+IP Mode: ipv4  
+Default SSL digest: sha256

- 2) zimbra-snmp: Enabled
- 3) zimbra-license-daemon: Enabled
- 4) Enable default backup schedule: yes
- s) Save config to file
- x) Expand menu
- q) Quit

Address unconfigured (\*\*) items (? - help) 1



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#### Common configuration

- 1) Hostname: lds.zimbra.com.ve
- \*\* 2) Ldap master host: UNSET
- 3) Ldap port: 389
- \*\* 4) Ldap Admin password: UNSET
- 5) LDAP Base DN: cn=zimbra
- 6) Store ephemeral attributes outside Ldap: no
- 7) Secure interprocess communications: yes
- 8) TimeZone: UTC
- 9) IP Mode: ipv4
- 10) Default SSL digest: sha256

Select, or 'r' for previous menu [r] 2

Please enter the ldap server hostname: ldapm01.zimbra.com.ve

#### Common configuration

- 1) Hostname: lds.zimbra.com.ve
- 2) Ldap master host: ldapm01.zimbra.com.ve
- 3) Ldap port: 389
- \*\* 4) Ldap Admin password: UNSET
- 5) LDAP Base DN: cn=zimbra
- 6) Store ephemeral attributes outside Ldap: no
- 7) Secure interprocess communications: yes
- 8) TimeZone: UTC
- 9) IP Mode: ipv4
- 10) Default SSL digest: sha256



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Select, or 'r' for previous menu [r] 4

Password for ldap admin user (min 6 characters): 123456

Setting defaults from ldap...done.

Common configuration

- 1) Hostname: lds.zimbra.com.ve
- 2) Ldap master host: ldapm01.zimbra.com.ve
- 3) Ldap port: 389
- 4) Ldap Admin password: set
- 5) LDAP Base DN: cn=zimbra
- 6) Store ephemeral attributes outside Ldap: yes
- 7) Value for zimbraEphemeralBackendURL: ldap://default
- 8) Secure interprocess communications: yes
- 9) TimeZone: America/Caracas
- 10) IP Mode: ipv4
- 11) Default SSL digest: sha256

Select, or 'r' for previous menu [r] r

Main menu

- 1) Common Configuration:
- 2) zimbra-snmp: Enabled
- 3) zimbra-license-daemon: Enabled
- 4) Enable default backup schedule: yes
- s) Save config to file
- x) Expand menu
- q) Quit



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\*\*\* CONFIGURATION COMPLETE - press 'a' to apply  
**Select from menu, or press 'a' to apply config (? - help) 2**

Snmp configuration

- 1) Status: Enabled
- 2) Enable SNMP notifications: yes
- 3) SNMP Trap hostname: lds.zimbra.com.ve
- 4) Enable SMTP notifications: yes
- 5) SMTP Source email address: admin@lds.zimbra.com.ve
- 6) SMTP Destination email address: admin@lds.zimbra.com.ve

**Select, or 'r' for previous menu [r] 5**

**SMTP Source address: [admin@lds.zimbra.com.ve] admin@zimbra.com.ve**

Snmp configuration

- 1) Status: Enabled
- 2) Enable SNMP notifications: yes
- 3) SNMP Trap hostname: lds.zimbra.com.ve
- 4) Enable SMTP notifications: yes
- 5) SMTP Source email address: admin@zimbra.com.ve
- 6) SMTP Destination email address: admin@lds.zimbra.com.ve

**Select, or 'r' for previous menu [r] 6**

**SMTP Destination address: [admin@lds.zimbra.com.ve] admin@zimbra.com.ve**



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#### Snmp configuration

- 1) Status: Enabled
- 2) Enable SNMP notifications: yes
- 3) SNMP Trap hostname: lds.zimbra.com.ve
- 4) Enable SMTP notifications: yes
- 5) SMTP Source email address: admin@zimbra.com.ve
- 6) SMTP Destination email address: admin@zimbra.com.ve

#### Select, or 'r' for previous menu [r] r

#### Main menu

- 1) Common Configuration:
- 2) zimbra-snmp: Enabled
- 3) zimbra-license-daemon: Enabled
- 4) Enable default backup schedule: yes
- s) Save config to file
- x) Expand menu
- q) Quit

**\*\*\* CONFIGURATION COMPLETE - press 'a' to apply**  
**Select from menu, or press 'a' to apply config (? - help) a**  
**Save configuration data to a file? [Yes] yes**  
**Save config in file: [/opt/zimbra/config.5832] enter**  
Saving config in /opt/zimbra/config.5832...done.  
The system will be modified - continue? [No] yes  
Operations logged to /tmp/zmsetup.20240824-145533.log



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Setting local config values...done.  
Initializing core config...Updating ldap\_root\_password and zimbra\_ldap\_password...done.  
Setting up CA...done.  
Deploying CA to /opt/zimbra/conf/ca ...done.  
Creating SSL certificate...done.  
Creating server entry for lds.zimbra.com.ve...done.  
Setting Zimbra IP Mode...done.  
Saving CA in ldap...done.  
Saving SSL Certificate in ldap...done.  
Configuring license daemon service...  
Setting zimbraLicenseDaemonServerHost...done.  
done.  
Setting services on lds.zimbra.com.ve...done.  
Configuring SNMP...done.  
Setting up syslog.conf...done.  
Setting default backup schedule...Done  
Setting java options...done.  
Starting servers...done.  
Skipping creation of default domain GAL sync account - not a service node.  
Setting up zimbra crontab...done.

Moving /tmp/zmsetup.20240824-145533.log to /opt/zimbra/log

Configuration complete - press return to exit



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