

# iRedOS-0.6.0: Open source Mail Server system

iRedMail is a shell script that can help you deploy an open source Mail Server solution system quickly, within 2 minutes

**TipsMake.com - iRedMail is a shell script that can help you deploy an open source Mail Server solution system quickly, within 2 minutes .**

- Support Red Hat (R) Enterprise Linux and CentOS 5.x, Debian 5.0.x, Ubuntu 8.04 / 9.04, FreeBSD 7.x / 8.x, and support both i386 and x86\_64 platforms.
- Most of the components used in iRedMail are officially provided by Linux, which means that iRedMail users will receive support for software and technology according to the product lifecycle.
- Support OpenLDAP and MySQL as a backend for storing domain and virtual users.
- Provide control panel via web interface. iRedOS is an edited product of CentOS 5.5, where unnecessary packages are removed, and it comes with the latest version of iRedMail (iredmail0.6.0).
- The main components are applied in the following solution
- Forum discuss here
- Home of the project: <http://code.google.com/p/iredmail/>

## Basic condition

You need to have the following components: iRedOS-0.6.0-CentOS-5.5.i386.iso or iRedOS-0.6.0-CentOS-5.5.x86\_64.iso, download here.

## Preliminary note

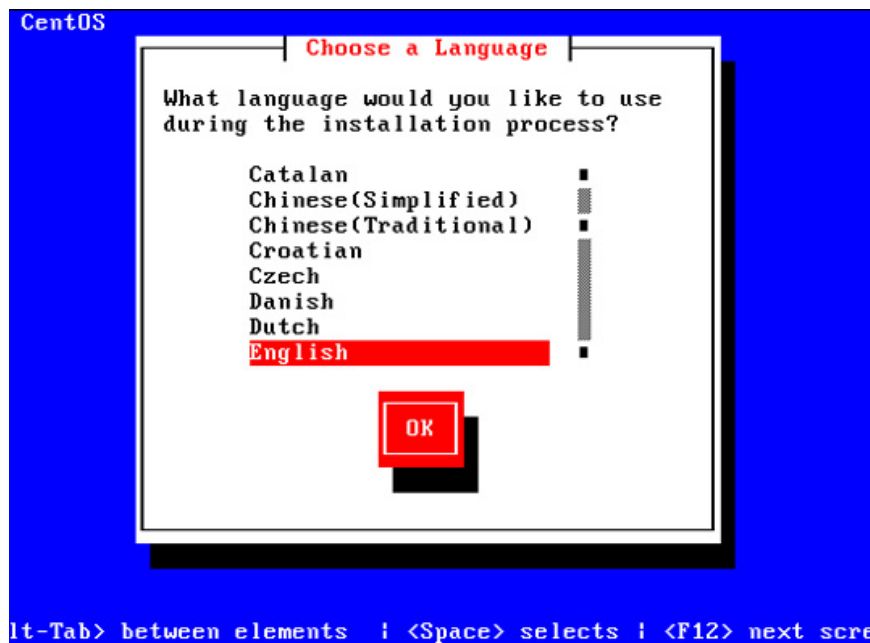
In this article we will use hostname values: *mail.example.com* , IP address: *192.168.1.10* , LDAP suffix: *dc = example, dc = com* and virtual domain: *example.com* .

## Basic system installation and iRedMail 0.6.0

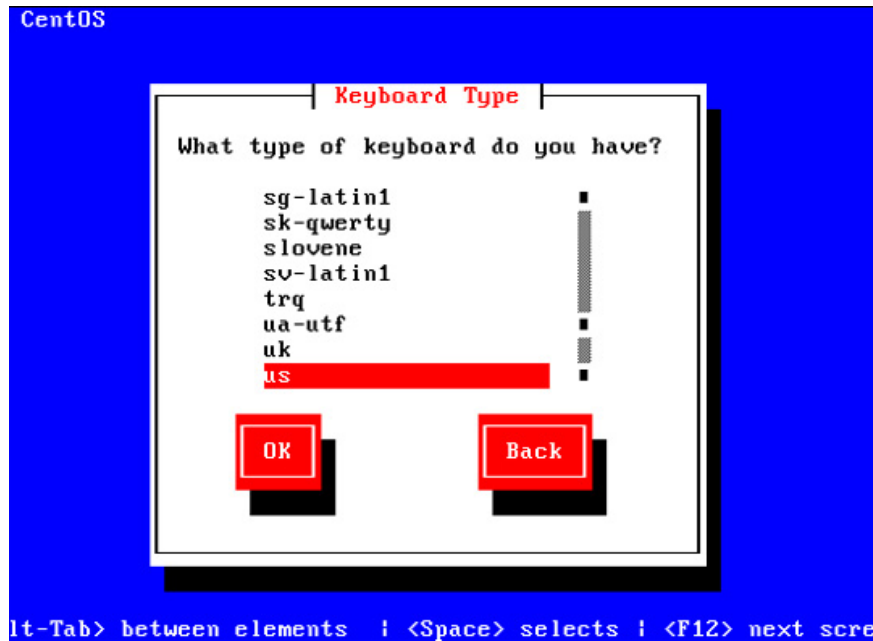
First, boot from iredos, press Enter from the boot screen:



Select language:



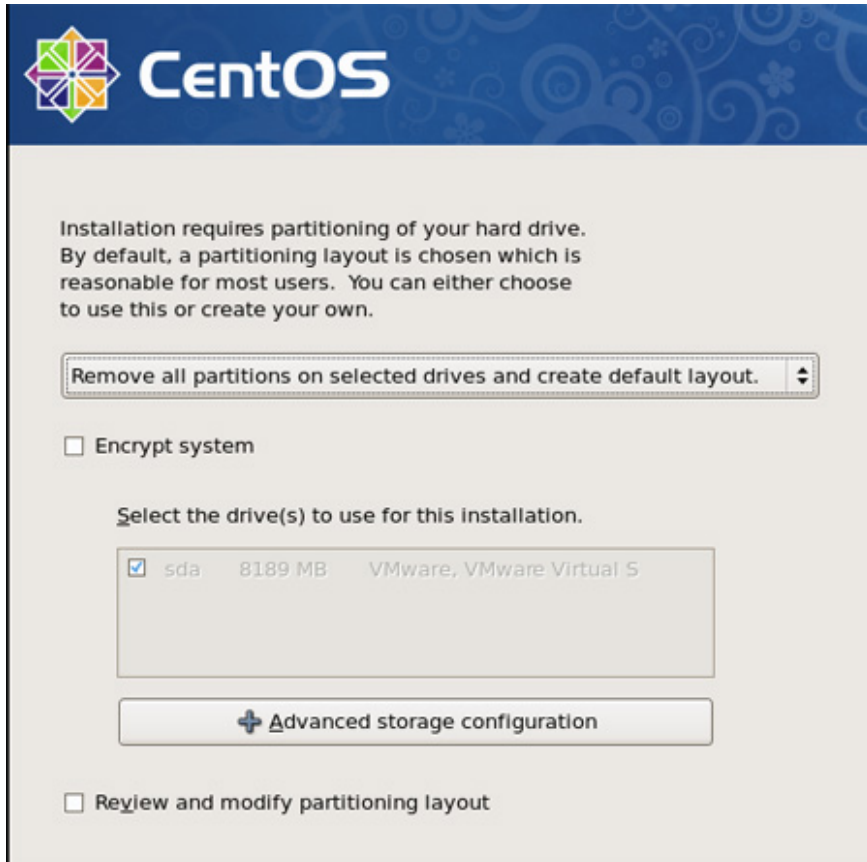
Next, standard keyboard:



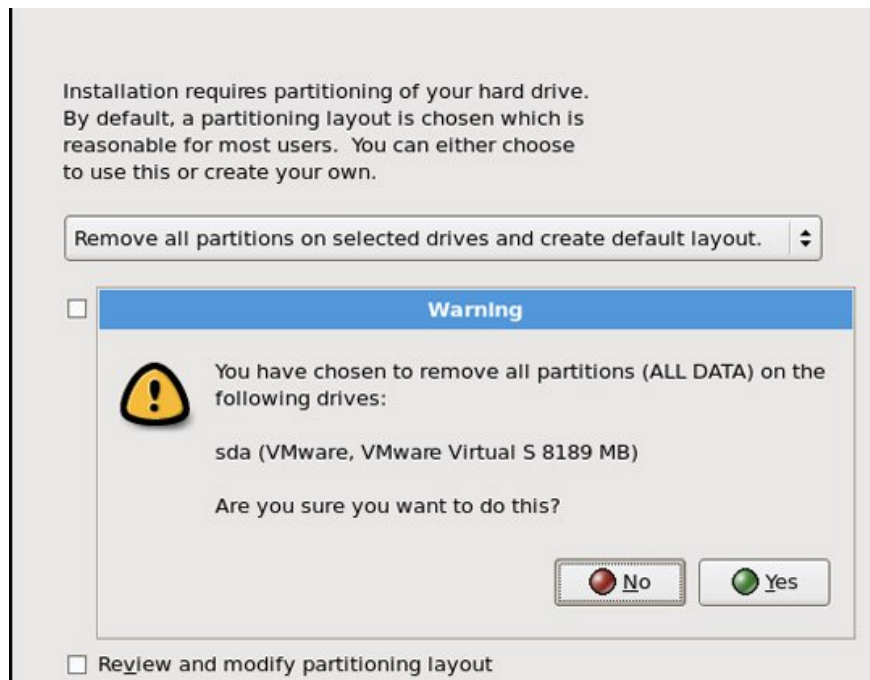
At this test, we proceed to install CentOS 5.5 system completely new and clean, so select *Yes* when receiving the question *Would you like to initialize this drive, erasing ALL DATA?*



Now, we have to choose the sample partition to install. To simplify this process, select *Remove all partitions on selected drives and create default layout:*



Click *Yes* with the question *Are you sure you want to do this?*



On the network settings section, the default specifications here are available with DHCP enabled, but here we need to interact with the server, so a static IP address is not a bad idea. . Click the *Edit* button on the upper right:

Active on Boot	Device	IPv4/Netmask	IPv6/Prefix	
<input checked="" type="checkbox"/>	eth0	DHCP	Auto	<input type="button" value="Edit"/>

**Hostname**  
Set the hostname:

automatically via DHCP

manually  (e.g., host.domain.com)

**Miscellaneous Settings**

Gateway:

Primary DNS:

Secondary DNS:

The popup window appears, uncheck the check box in the *Use dynamic IP configuration (DHCP)* and *Enable IPv6 support*, and set the IP address for the network card (in this article we use *192.168.1.10* ) and the netmask address ( *255.255.255.0* ):

**Edit Interface**

**Advanced Micro Devices [AMD] 79c970 [PCnet32 LANCE]**  
**Hardware address: 00:0C:29:A7:B8:56**

**Enable IPv4 support**

Dynamic IP configuration (DHCP)

**Manual configuration**

IP Address:  / Prefix (Netmask):

**Enable IPv6 support**

Automatic neighbor discovery

Dynamic IP configuration (DHCPv6)

Manual configuration

IP Address:  / Prefix:

Set hostname (eg *mail.example.com* ), gateway address ( *192.168.1.1* ) and 1 any DNS server parameter ( *4.2.2.1* ):

**Network Devices**

Active on Boot	Device	IPv4/Netmask	IPv6/Prefix	
<input checked="" type="checkbox"/>	eth0	192.168.1.10/24	Disabled	<input type="button" value="Edit"/>

**Hostname**

Set the hostname:

automatically via DHCP

manually  (e.g., host.domain.com)

**Miscellaneous Settings**

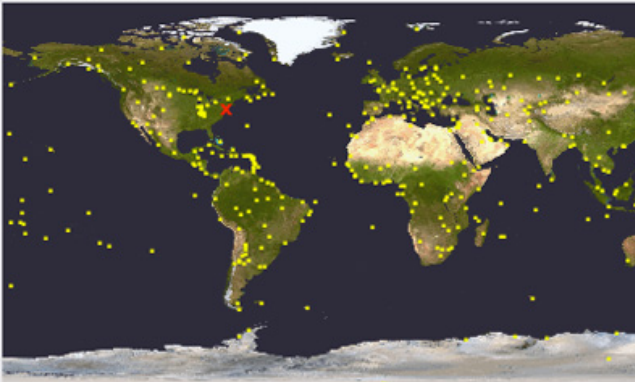
Gateway:

Primary DNS:

Secondary DNS:

Choose the appropriate time zone, do not select *System clock uses UTC*:

Please click into the map to choose a region:



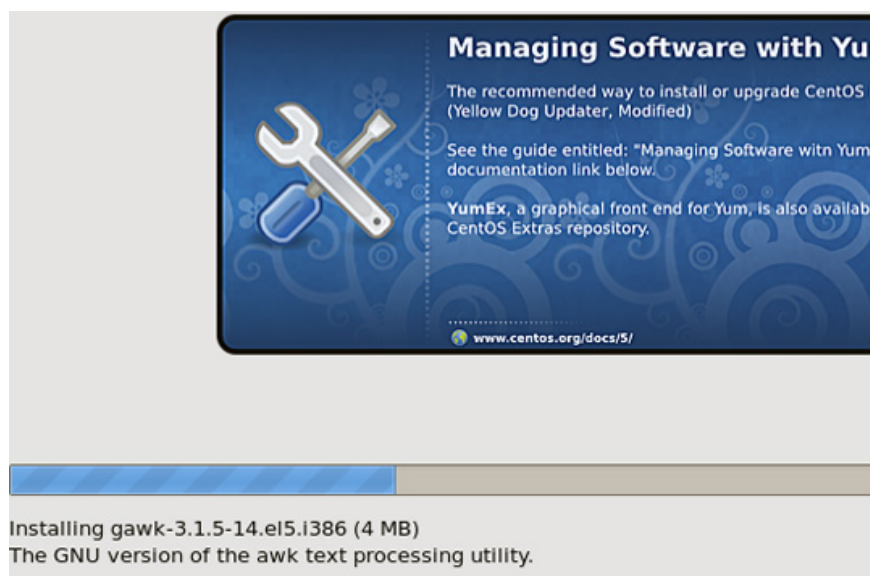
America/New\_York   
Eastern Tim

System clock uses UTC

Set root password:



And the installation process will begin, this phase only takes a few minutes:



At the end of the process, we will switch to iredmail installation, if you choose *No*, the system will restart and will not continue installing iredmail anymore:

```
-----Welcome and thanks for use-----
| Thanks for your use of iRedMail.
| Bug report, feedback, suggestion are always welcome.
|
| * Contact author via mail: zhb@iredmail.org
| * Community: http://www.iredmail.org/forum/
| * Admin FAQ: http://www.iredmail.org/faq.html
|
| NOTE:
|
|     Ctrl-C will abort this wizard.
|
|-----
|                                     < Yes >          < No >
|-----
```

---

Select the directory to store user's mailbox:

```
iRedMail: Open Source Mail Server Solution for RHEL/CentOS/De
-----Default mail storage path-----
| Please specify a directory for mail storage.
| Default is: /var/mail
|
| EXAMPLE:
|
|     * /var/mail
|
| NOTE:
|
|     * It may take large disk space.
|-----
| i/var/mail
|-----
|
|                                     < Next >
|-----
```

Select the backend to host domain and virtual users. Here we use OpenLDAP:

```

-----Choose your prefer backend-----
We provide two backends and the homologous webmail programs:

+-----+-----+-----+
| Backend | Web Mail | Web-based management tool |
+-----+-----+-----+
| OpenLDAP |          | iRedAdmin, phpLDAPAdmin  |
+-----+ Roundcube +-----+
| MySQL    |          | PostfixAdmin              |
+-----+-----+-----+

TIP:
* Use 'Space' key to select item.

+-----+-----+-----+
| (X) OpenLDAP | An open source implementation of LDAP pro |
| ( ) MySQL    | The world's most popular open source data |
+-----+-----+-----+
v(+)

< Next >

```

Select the LDAP suffix value, usually the domain name, eg *dc = example, dc = com* :

```

-----LDAP suffix (root dn)-----
Please specify your LDAP suffix (root dn).

EXAMPLE:

+-----+-----+-----+
| Your domain name | Recommend LDAP suffix |
+-----+-----+-----+
| iredmail.org     | dc=iredmail,dc=org    |
+-----+-----+-----+
| abc.com.cn       | dc=abc,dc=com,dc=cn   |
+-----+-----+-----+

|dc=example,dc=com

< Next >

```

Set password for LDAP server admin: *cn = Manager, dc = example, dc = com* :

```

-----Password for LDAP rootdn: cn=Manager,dc=example,dc=com-----
Please specify password for LDAP rootdn:

* cn=Manager,dc=example,dc=com

Warning:

* EMPTY password is *NOT* permitted.

|*****_

< Next >

```

Continue to set the password for MySQL root:

```

-----Password for MySQL administrator: root-----
Please specify password for MySQL administrator: root

Warning:

    * EMPTY password is *NOT* permitted.
+-----+
|*****_
+-----+

-----
< Next >

```

And create virtual domain:

```

+-----Your first virtual domain name-----+
Please specify your first virtual domain name.

EXAMPLES:

    * iredmail.org
+-----+
|example.com
+-----+

-----
< Next >

```

And set the password for the virtual admin domain: *postmaster@example.com* , you can log in to iRedadmin and Awstats with this account:

```

+-----Password for the administrator of your domain---+
Please specify password for the administrator user:

    * postmaster@example.com

Note:

    * You can login iRedAdmin or PostfixAdmin with this acco

Warning:

    * EMPTY password is *NOT* permitted.
+-----+
|*****_
+-----+

-----
< Next >

```

Next, set the password for the first user *www@example.com* for this first virtual domain:

```
-----Password for your first user-----
Please specify password for your first user:

* www@example.com

Note:

* You can login webmail with this account.
* 'STARTTLS' is available for connection security.

Warning:

* EMPTY password is *NOT* permitted.
+-----+
|*****_
+-----+

                                     < Next >
```

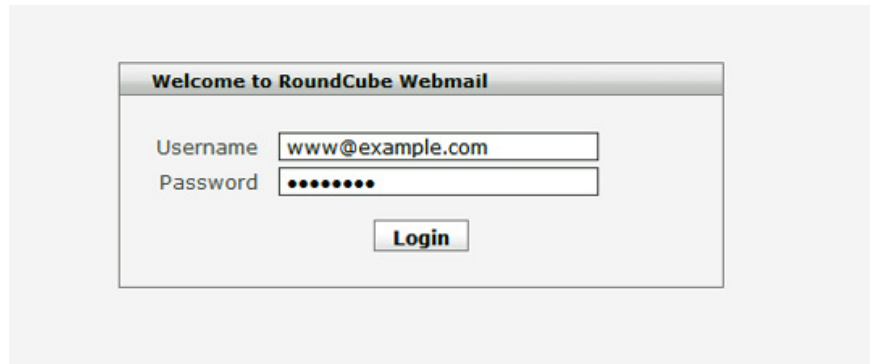
Select the accompanying support components:

```
-----Optional Components for OpenLDAP backend-----
Note:
* DKIM is recommended.
* DNS records (TXT type) are required for both SPF and I
* Refer to file for more detail after installation:
  /root/iRedMail/./iRedMail.tips
+-----+
| [X] SPF Validation                               Sender Policy Framework
| [X] DKIM signing/verification                   DomainKeys Identified Mail
| [X] iRedAdmin                                   Official web-based iRedMail
| [X] Roundcubemail                              WebMail program (PHP, AJAX)
| [X] phpLDAPAdmin                               Web-based OpenLDAP managemer
| [X] phpMyAdmin                                 Web-based MySQL management 1
| [X] Awstats                                   Advanced web and mail log ar
+-----v(+)-----

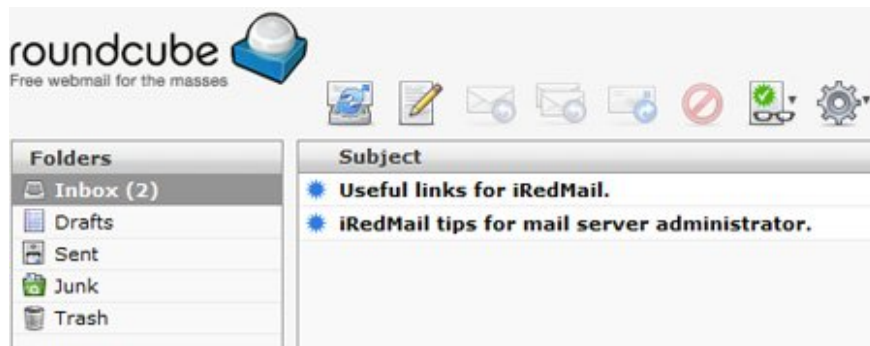
                                     < Next >
```

Select the default language for webmail application:

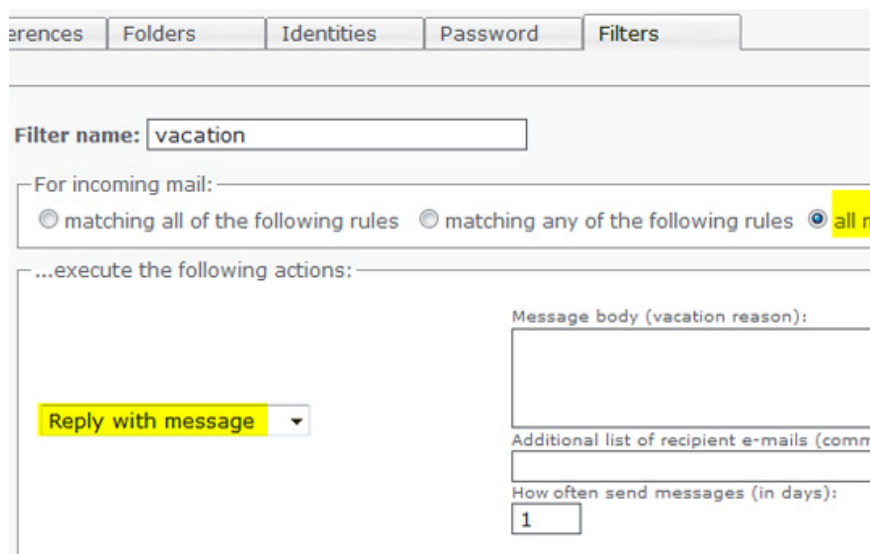




This account has received 2 emails, please read it carefully. Since the account *www@example.com* is root alias, the system email is received:




Set up autoresponder feature:



### Open source iRedAdmin version:

iRedAdmin is an open source version, a form of iRedMail control mechanism with a web interface, through which you can add, remove, delete or customize domain accounts, users and domain admin. If you need more features, you can refer and use the full version here.

Login to iRedAdmin: *postmaster@example.com* :



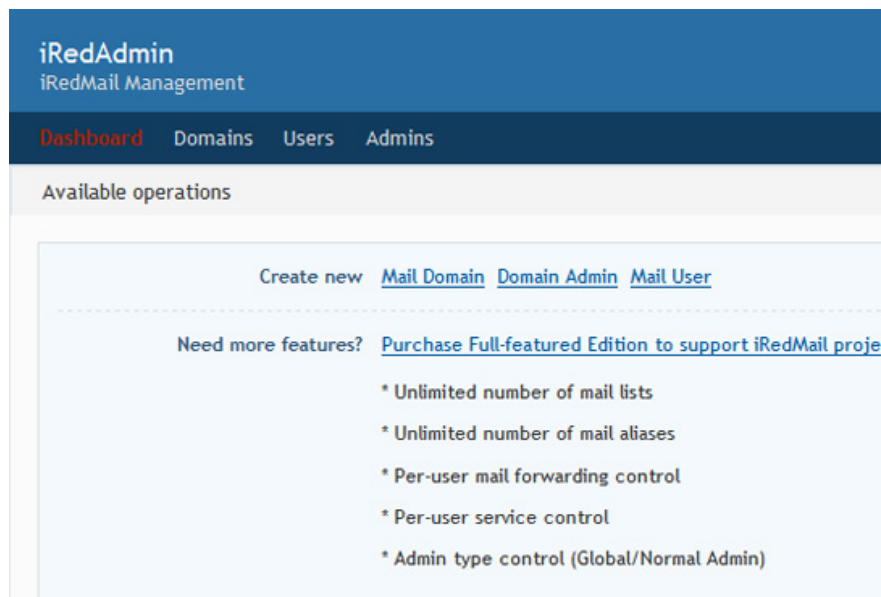
Login To Manage Your Mail Domains & Users

Username   
(Required) Must be a valid domain admin email address.

Password   
(Required)

Remember me  Log me in automatically each time I visit.

Main panel interface:



iRedAdmin  
iRedMail Management

[Dashboard](#) [Domains](#) [Users](#) [Admins](#)

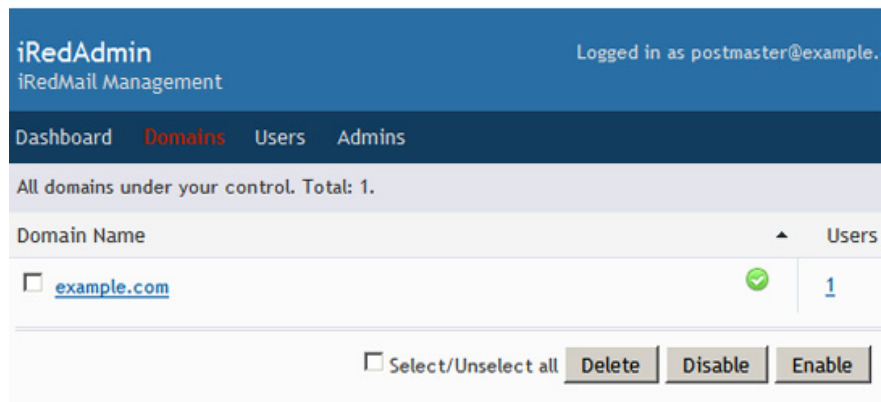
Available operations

Create new [Mail Domain](#) [Domain Admin](#) [Mail User](#)

Need more features? [Purchase Full-featured Edition to support iRedMail proje](#)

- \* Unlimited number of mail lists
- \* Unlimited number of mail aliases
- \* Per-user mail forwarding control
- \* Per-user service control
- \* Admin type control (Global/Normal Admin)

Mail domain control panel:



iRedAdmin Logged in as postmaster@example.  
iRedMail Management

[Dashboard](#) [Domains](#) [Users](#) [Admins](#)

All domains under your control. Total: 1.

Domain Name	Users
<input type="checkbox"/> <a href="#">example.com</a>	<input checked="" type="checkbox"/> 1

Select/Unselect all

Mail user control panel:

iRedAdmin laster@example.com. [Preferences](#) [Logout](#)  
 iRedMail Management

Dashboard Domains **Users** Admins

View users under domain:  Total: [new mail user](#) [View/Update domain p...](#)

Display Name	Mail Address	Quota	Created Date
<input type="checkbox"/> <a href="#">www</a> <span style="color: green;">✔</span>	www@example.com	100 MB	2009-11-09 17:12:39

Mail admin dashboard:

iRedAdmin Logged in as postmaster@example.com  
 iRedMail Management

Dashboard Domains Users **Admins**

All mail administrators. Total: 1.

Display Name	Mail Address
<input type="checkbox"/> <a href="#">postmaster</a> <span style="color: green;">✔</span>	postmaster@example.com

New account creation process:

Create new mail user

• New password must contain at least 6 characters.

Mail Address  @  (Required)

Display Name

---

Mail quota (in MB)

---

New password  (Required)

Confirm new password  (Required) Re-enter your password exactly as before.

Select language:

Display Name: postmaster  
Mail Address: postmaster@example.com ✓  
Created Date: 2009-11-09 17:12:39

Enable this account

Display Name

Preferred language   
简体中文  
English (US)  
Français  
Vietnamese

### phpLDAPAdmin:

Login to phpLDAPAdmin: *cn = manager, dc = example, dc = com* :

Authenticate to server My LDAP Server

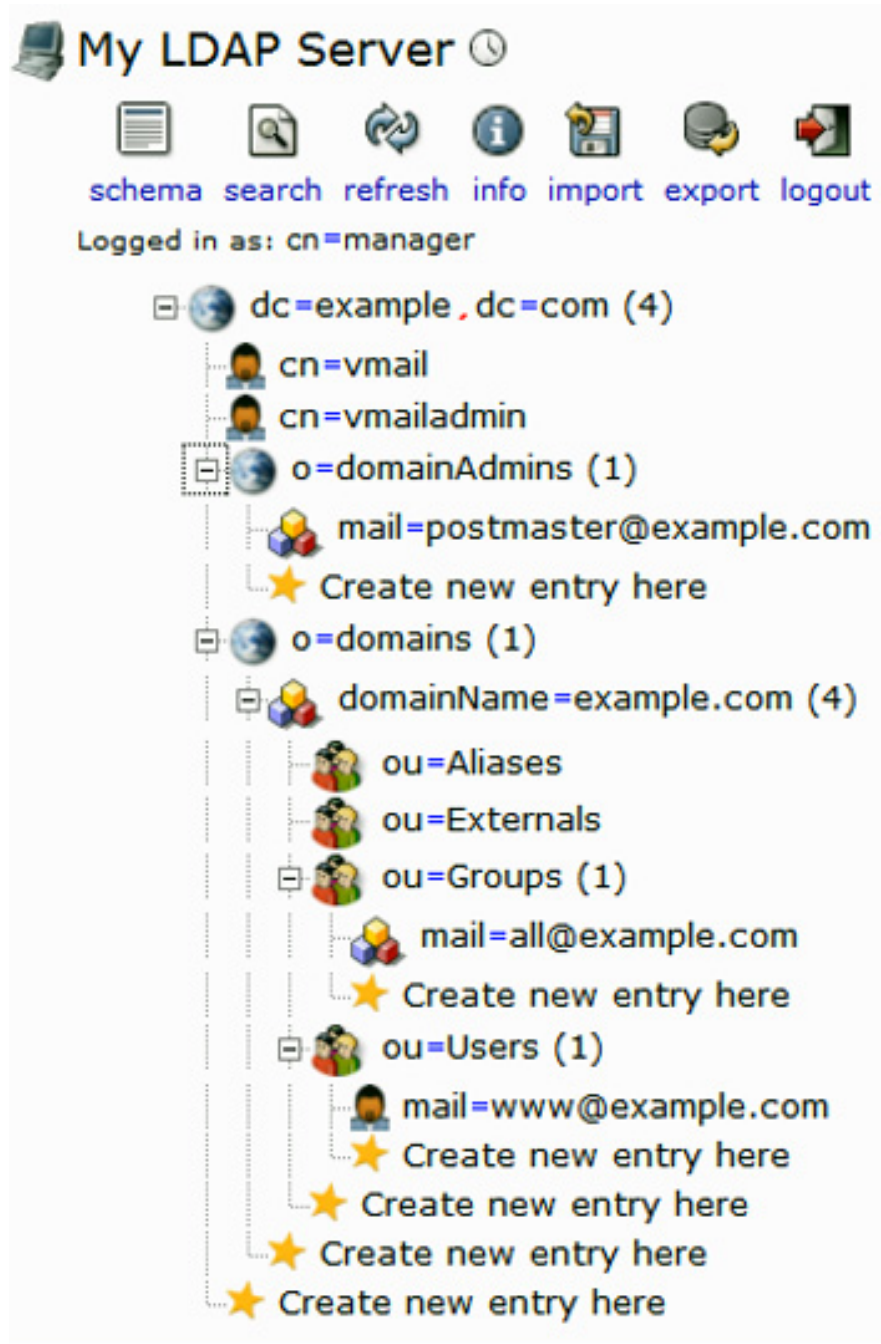
Login DN:

Password:

Anonymous

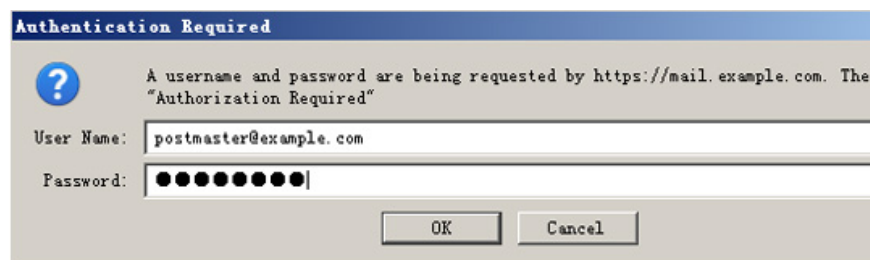
Authenticate

Managing mail accounts:



**With Awstats:**

Log in to Awstats: *postmaster@example.com* :



Check the statistics:

Summary			
Reported period	Month Nov 2009		
First	NA		
Last	NA		
		Mails	Size
Mails successfully sent		0	0 (0 KB/Mails)
Mails failed/refused		0	0

---

## Things to know after installation

Read the file `/root/iRedMail/iRedMail.tips` first, in this file contains data related to: default password and important information, the location of the mail related to the configuration file and Other technical parameters.

Set up DNS records for SPF, create DNS for DKIM and instruct iRedMail Admin.

## Frequently asked questions

- **Why do users often receive emails with a certain delay?** That's because iRedMail provides greylisting features that come with Policyd (v1.8.x). Greylisting proved particularly effective with many spamming tools by spammers not setting up and handling emails that are in temporary error condition. In addition, this feature can reduce email traffic by up to 50%, but also makes the first email delayed. You can use the following way to enable or disable greylisting. With RHEL / CentOS, the configuration file `/etc/postfix-policyd.conf`:

```
# 1 = on 0 = off
GREYLISTING = 1
```

Restart Policyd and download Postfix.

- **How to update iRedMail to the latest version?** Users can use YUM to update support packages, refer here.

- **How to enable disclaimers for outgoing mail?** *Navigate* to the following line in `/etc/amavisd.conf`:

```
# ----- Disclaimer Setting -----
# Uncomment this line to enable signing disclaimer in outgoing mails.
# $ defang_maps_by_ccat {+ CC_CATCHALL} = ['disclaimer'];
```

Uncomment and restart the amavis / amavisd service, and don't forget to read the `@disclaimer_options_bysender_maps` file in `/etc/amavisd.conf` to learn more about these settings.

- **Create a series of user accounts like?** To do this, you must first edit the `create_mail_user_OpenLDAP.sh` code first, change the ldap suffix, bind dn and bind password:

```
# cd /path/to/iRedMail-xyz/tools/  
# sh create_mail_user_OpenLDAP.sh domain.ltd user01 user02 user03
```

- **With Anti-Virus and Anti-Spam applications** . How to turn off or turn on the program? iRedMail uses Amavisd-new as a bridge between MTA and MDA, it will 'call' SpamAssassin for anti-spam and ClamAV for anti-virus. You can set the on or off state in `/etc/amavisd.conf`:

```
# @bypass_virus_checks_maps = (1); # controls running of anti-virus code  
# @bypass_spam_checks_maps = (1); # controls running of anti-spam code  
# $bypass_decode_parts = 1; # controls running of decoders & dearchivers
```

In default mode, both are active, when the caption is removed to turn it off. Value 1 means off.

- **How to create SSL key yourself?** If you want to create SSL yourself, you need to download the system:

```
# wget http://iredmail.googlecode.com/hg/iRedMail/tools/generate_ssl_keys.sh
```

Edit the relevant information in that code:

```
# SSL key.  
export SSL_CERT_FILE = "${ROOTDIR}/certs/iRedMail_CA.pem"  
export SSL_KEY_FILE = "${ROOTDIR}/private/iRedMail.key"  
export TLS_COUNTRY = 'CN'  
export TLS_STATE = 'GuangDong'  
export TLS_CITY = 'ShenZhen'  
export TLS_COMPANY = "${HOSTNAME}"  
export TLS_DEPARTMENT = 'IT'  
export TLS_HOSTNAME = "${HOSTNAME}"  
export TLS_ADMIN = "root @ ${HOSTNAME}"
```

Then rerun that code:

```
# bash generate_ssl_keys.sh  
SSL keys ?ã t?o:  
- /root/certs/iRedMail_CA.pem  
- /root/private/iRedMail.key
```

Back up the old ssl\_key file and the new file to the following location:

```
/etc/pki/tls/certs/iRedMail_CA.pem  
/etc/pki/tls/private/iRedMail.key
```

Good luck!

You finished reading the article "**iRedOS-0.6.0: Open source Mail Server system**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar

articles on tips and guides. Thank you for reading and for following us regularly.

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