

ownCloud

File storage in conventional directory structures

Cryptography

Synchronization of data, desktop, web client or mobile app.

Calendar.

Task scheduler.

Address book.

Music streaming.

User and group administration.

Sharing of content across groups or public URLs.

Online text editor with syntax highlighting.

Bookmarking.

ownCloud

CentOS 7

Install CentOS 7
Test this media & install CentOS 7

Troubleshooting >

Press Tab for full configuration options on menu items.

ownCloud

```
Starting installer, one moment...
```

```
-
```

```
[anaconda] 1:main* 2:shell 3:log 4:storage-log 5:program-log
```

ownCloud




CENTOS 7 INSTALLATION

us

WELCOME TO CENTOS 7.

What language would you like to use during the installation process?


English	English	>	English (United States)
Afrikaans	Afrikaans		English (United Kingdom)
አማርኛ	Amharic		English (India)
العربية	Arabic		English (Australia)
অসমীয়া	Assamese		English (Canada)
Asturianu	Asturian		English (Denmark)
Беларуская	Belarusian		English (Ireland)
Български	Bulgarian		English (New Zealand)
বাংলা	Bengali		English (Nigeria)
Bosanski	Bosnian		English (Hong Kong SAR China)
Català	Catalan		English (Philippines)
Čeština	Czech		English (Singapore)
Cymraeg	Welsh		English (South Africa)
Dansk	Danish		English (Zambia)
			English (Zimbabwe)
			English (Botswana)

Type here to search. 

Quit

Continue

ownCloud



CentOS

INSTALLATION SUMMARY


CENTOS 7 INSTALLATION

us


LOCALIZATION



DATE & TIME
Americas/New York timezone




KEYBOARD
English (US)




LANGUAGE SUPPORT
English (United States)

SOFTWARE




INSTALLATION SOURCE
Local media




SOFTWARE SELECTION
Minimal install

SYSTEM



INSTALLATION DESTINATION
No disks selected




NETWORK & HOSTNAME
Not connected

Minimal Install

Quit

Begin Installation

We won't touch your disks until you click 'Begin Installation'.

 Please complete items marked with this icon before continuing to the next step.

ownCloud

SOFTWARE SELECTION

Done

CENTOS 7 INSTALLATION

us

Base Environment

- ☐ **Minimal Install**
Basic functionality.
- ☐ **Infrastructure Server**
Server for operating network infrastructure services.
- ☐ **File and Print Server**
File, print, and storage server for enterprises.
- ☒ **Basic Web Server**
Server for serving static and dynamic internet content.
- ☐ **Virtualization Host**
Minimal virtualization host.
- ☐ **Server with GUI**
Server for operating network infrastructure services, with a GUI.
- ☐ **GNOME Desktop**
GNOME is a highly intuitive and user friendly desktop environment.
- ☐ **KDE Plasma Workspaces**
The KDE Plasma Workspaces, a highly-configurable graphical user interface which includes a panel, desktop, system icons and desktop widgets, and many powerful KDE applications.
- ☐ **Development and Creative Workstation**
Workstation for software, hardware, graphics, or content development.

Add-Ons for Selected Environment

- ☒ **MariaDB Database Client**
The MariaDB SQL database client, and associated packages.
- ☐ **Network File System Client**
Enables the system to attach to network storage.
- ☒ **PHP Support**
PHP web application framework.
- ☒ **Performance Tools**
Tools for diagnosing system and application-level performance problems.
- ☒ **Perl for Web**
Basic Perl web application support.
- ☐ **PostgreSQL Database Client**
The PostgreSQL SQL database client, and associated packages.
- ☐ **Python**
Basic Python web application support.
- ☐ **Remote Management for Linux**
Remote management interface for CentOS Linux, including OpenLMI and SNMP.
- ☐ **Web Servlet Engine**
Allows the system to host Java servlets.
- ☐ **Compatibility Libraries**
Compatibility libraries for applications built on previous versions of

ownCloud

NETWORK & HOSTNAME

Done

CENTOS 7 INSTALLATION

us



Ethernet (enp0s3)

Intel Corporation PRO/1000 MT Desktop Adapter



Ethernet (enp0s3)

Connected

ON



Hardware Address 08:00:27:D6:34:64

Speed 1000 Mb/s

IP Address 10.0.2.15

Subnet Mask 255.255.255.0

Default Route 10.0.2.2

DNS 10.50.101.68 10.50.101.69



Configure...

Hostname: oc.clug.org

ownCloud

INSTALLATION DESTINATION

CENTOS 7 INSTALLATION



Done

us

Device Selection

Select the device(s) you'd like to install to. They will be left untouched until you click on the main menu's "Begin Installation" button.

Local Standard Disks

81.92 GB	81.92 GB
	
ATA VBOX HARDDISK	ATA VBOX HARDDISK
sda / 81.92 GB free	sdb / 81.92 GB free

Disks left unselected here will not be touched.

Specialized & Network Disks

Add a disk...

Disks left unselected here will not be touched.

Other Storage Options

Partitioning

☐ Automatically configure partitioning. ☒ I will configure partitioning.

☐ I would like to make additional space available.

Encryption

☐ Encrypt my data. *You'll set a passphrase later.*

[Full disk summary and bootloader...](#)

2 disks selected; 163.84 GB capacity; 163.84 GB free

ownCloud

MANUAL PARTITIONING

CENTOS 7 INSTALLATION

Done

us

New CentOS 7 Installation

You haven't created any mount points for your CentOS 7 installation yet. You can:

- [Click here to create them automatically.](#)
- Create new mount points by clicking the '+' button.

New mount points will use the following partitioning scheme:

Standard Partition

ADD A NEW MOUNT POINT

More customization options are available after creating the mount point below.

Mount Point:

/

Desired Capacity:

75 GB

Cancel

Add mount point

+

-

✖

↺

⚙

AVAILABLE SPACE
163.83 GB

TOTAL SPACE
163.84 GB

[2 storage devices selected](#)

Reset All

ownCloud

MANUAL PARTITIONING

CENTOS 7 INSTALLATION

Done

us

New CentOS 7 Installation

DATA

SYSTEM

/

root

75 GB >

root

Name: root

Mount Point: /

Label: Root

Desired Capacity: 75 GB

CONFIGURE MOUNT POINT

Select one or more disks this device may reside on.

Disk	Capacity	Free	ID
ATA VBOX HARDDISK	81.92 GB	6.85 GB	VB579b4b12-348
ATA VBOX HARDDISK	81.92 GB	6.85 GB	VB56bf6134-e1f0

Cancel

Select

Update Settings



AVAILABLE SPACE
13.71 GB

TOTAL SPACE
163.84 GB

[2 storage devices selected](#)

Reset All

ownCloud

MANUAL PARTITIONING

CENTOS 7 INSTALLATION

Done

us

New CentOS 7 Installation

DATA

SYSTEM

/

root

75 GB

swap

swap

6 GB >

+

-

✖

↺

🗑

AVAILABLE SPACE

1.70 GB

TOTAL SPACE

163.84 GB

[2 storage devices selected](#)

swap

Name:

swap

Mount Point:

Label:

Swap

Desired Capacity:

6 GB

Device Type:

RAID

☐ Encrypt

File System:

swap

☒ Reformat

RAID Level:

RAID1 (Redundancy)

Update Settings

Note: The settings you make on this screen will not be applied until you click on the main menu's 'Begin Installation' button.

Reset All

ownCloud

MANUAL PARTITIONING

CENTOS 7 INSTALLATION

Done

us

New CentOS 7 Installation

DATA

SYSTEM

/

root

swap

swap

swap

Name:

swap

SUMMARY OF CHANGES

Your customizations will result in the following changes taking effect on the disks you've selected:

Order	Action	Type	Device Name	Mountpoint
5	Create Device	partition	sdb2	
6	Create Format	software RAID	sdb2	
7	Create Format	software RAID	sdb1	
8	Create Format	partition table (MSDOS)	sda	
9	Create Device	partition	sda1	
10	Create Device	partition	sda2	
11	Create Format	software RAID	sda2	
12	Create Device	mdarray	swap	
13	Create Format	swap	swap	
14	Create Format	software RAID	sda1	
15	Create Device	mdarray	root	
16	Create Format	ext4	root	/

Cancel & Return to Custom Partitioning

Accept Changes

Update Settings

this screen will not be applied
nu's 'Begin Installation' button.

AVAILABLE SPACE

1.70 GB


TOTAL SPACE

163.84 GB

[2 storage devices selected](#)

Reset All

ownCloud



CentOS

INSTALLATION SUMMARY


CENTOS 7 INSTALLATION

us


LOCALIZATION



DATE & TIME
Americas/New York timezone




KEYBOARD
English (US)




LANGUAGE SUPPORT
English (United States)

SOFTWARE




INSTALLATION SOURCE
Local media




SOFTWARE SELECTION
Basic Web Server

SYSTEM



INSTALLATION DESTINATION
Custom partitioning selected




NETWORK & HOSTNAME
Wired (enp0s3) connected

Quit

Begin Installation

We won't touch your disks until you click 'Begin Installation'.

ownCloud



CentOS

CONFIGURATION

CENTOS 7 INSTALLATION


us

USER SETTINGS



ROOT PASSWORD
Root password is not set


Root password is not set




USER CREATION
No user will be created

Installing glibc (23/722)

CentOS Core SIG
Produces the CentOS Linux Distribution.
wiki.centos.org/SpecialInterestGroup



 Please complete items marked with this icon before continuing to the next step.

ownCloud



Root Password: ●●●●●●●●●●●●●●●●

• • • • •

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Confirm: ●●●●●●●●●●●●●●●●

• • • • •

ownCloud

CREATE USER

Done

CENTOS 7 INSTALLATION

us

Full name System Administrator

Username sysadmin

Password

Confirm password

Home directory: /home/sysadmin

ADVANCED USER CONFIGURATION

Home Directory

☒ Create a home directory for this user.

User and Group IDs

☐ Specify a user ID manually:

1000 - +

☐ Specify a group ID manually:

1000 - +

Group Membership

Add user to the following groups:

wheel

Example: wheel, my-team (1245), project-x (29935)

Tip: You may input a comma-separated list of group names and group IDs here.


Groups that do not already exist will be created; specify their GID in parentheses.

Cancel

Save Changes

Strong

ownCloud



CentOS


CONFIGURATION

CENTOS 7 INSTALLATION

us

USER SETTINGS


 ROOT PASSWORD
Root password is set

 USER CREATION
Administrator sysadmin will be created

Complete!

CentOS is now successfully installed on your system and ready for you to use! Go ahead and reboot to start using it!

Reboot

 Use of this product is subject to the license agreement found at </usr/share/centos-release/EULA>

ownCloud

```
CentOS Linux 7 (Core)  
Kernel 3.10.0-123.el7.x86_64 on an x86_64  
oc login: _
```

ownCloud

```
cat /proc/mdstat
```

```
wget http://dl.fedoraproject.org/pub/epel/7/x86_64/e/epel-release-7-2.noarch.rpm
```

```
rpm -Uvh epel-release-7-2.noarch.rpm
```

```
cd /etc/yum.repos.d
```

```
wget  
http://download.opensuse.org/repositories/isv:ownCloud:community/CentOS_7/i  
sv:ownCloud:community.repo
```

ownCloud

```
yum install httpd php php-mysql mariadb-server \  
    mariadb sqlite php-dom php-mbstring mc \  
    php-gd php-pdo owncloud nmap
```

```
setsebool -P httpd_unified 1
```

```
firewall-cmd --permanent --zone=public --add-service=http
```

```
firewall-cmd --permanent --zone=public --add-service=https
```

```
firewall-cmd --reload
```

```
systemctl enable mariadb.service
```

```
systemctl restart mariadb.service
```

ownCloud

```
mysql_secure_installation # Set a good password!
```

```
mysql -u root -p
```

```
create database owncloud;
```

```
grant all on owncloud.* to 'ocuser'@'localhost' identified by 'Once upon  
a midnight';
```

```
quit;
```

```
chown -R apache:apache /var/www/html/owncloud/
```

```
systemctl enable httpd.service
```

```
systemctl restart httpd.service
```

ownCloud

```
ip addr show
```

```
cd /var/www/html/
```

```
cat > /var/www/html/index.html <<EndOfText
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">
```

```
<html lang="en">
```

```
<head> <meta http-equiv="content-type" content="text/html; charset=utf-8">
```

```
    <title>ownCloud</title> </head>
```

```
<body>
```

```
    <meta HTTP-EQUIV="REFRESH" content="0; url=http://192.168.10.2/owncloud">
```

```
</body>
```

```
</html>
```

```
EndOfText
```

ownCloud

```
watch -n 1 cat /proc/mdstat
```

```
grep -e sd[ab] /var/log/messages
```

```
shutdown -h now
```

```
fdisk -l
```

```
sfdisk -d /dev/sda | sfdisk /dev/sdb
```

```
fdisk -l
```

```
mdadm --manage /dev/md127 --add /dev/sdb2
```

```
mdadm --manage /dev/md126 --add /dev/sdb1
```

```
tail -f /var/log/messages
```

ownCloud

<http://www.itzgeek.com/how-tos/linux/centos-how-tos/install-owncloud-7-on-centos-7-rhel-7.html>

<http://doc.owncloud.org/server/7.0/ownCloudUserManual.pdf>

<http://doc.owncloud.org/server/7.0/ownCloudAdminManual.pdf>