

Install Cacti on Proxmox Container Ubuntu 24.04

Here's a clean step-by-step guide for Cacti installation on Ubuntu 24.04 inside your Proxmox CT

Update the System

```
sudo apt update && sudo apt upgrade -y
```

Install Required Packages, Cacti needs a web server, PHP, SNMP, RRDtool, and MySQL/MariaDB.

```
sudo apt install -y apache2 mariadb-server mariadb-client \  
php php-mysql php-snmp php-xml php-ldap php-gd php-mbstring php-gmp \  
rrdtool snmp snmpd librrds-perl unzip git
```

Enable required Apache modules:

```
sudo a2enmod php* rewrite  
sudo systemctl restart apache2
```

Secure MariaDB:

```
sudo mysql_secure_installation
```

- Set root password
- Remove anonymous users
- Disallow remote root login
- Remove test DB
- Reload privilege tables

Create Cacti database and user:

```
mysql -u root -p  
CREATE DATABASE cacti CHARACTER SET utf8mb4 COLLATE utf8mb4_unicode_ci;  
CREATE USER 'cactiuser'@'localhost' IDENTIFIED BY 'yourpassword';  
GRANT ALL PRIVILEGES ON cacti.* TO 'cactiuser'@'localhost';  
GRANT SELECT ON mysql.time_zone_name TO 'cactiuser'@'localhost';  
FLUSH PRIVILEGES;
```

```
EXIT;
```

Load time zone data:

```
mysql_tzinfo_to_sql /usr/share/zoneinfo | sudo mysql -u root -p mysql
```

Download Cacti official GitHub: <https://github.com/Cacti/cacti>

```
cd /var/www/html
sudo git clone -b master https://github.com/Cacti/cacti.git
sudo chown -R www-data:www-data cacti
```

Import Default Database

```
mysql -u cactiuser -p cacti < /var/www/html/cacti/cacti.sql
```

Configure Cacti Settings, Edit config file:

```
sudo nano /var/www/html/cacti/include/config.php
```

Set DB info:

```
$database_type      = "mysql";
$database_default   = "cacti";
$database_hostname  = "localhost";
$database_username  = "cactiuser";
$database_password  = "yourpassword";
$database_port      = "3306";
```

Configure Apache, for cacti

```
sudo nano /etc/apache2/sites-available/cacti.conf
```

Paste

```
<VirtualHost *:80>
    DocumentRoot /var/www/html/cacti
    ServerName cacti.local

    <Directory /var/www/html/cacti>
        Options +FollowSymLinks
```

```
    AllowOverride All
    Require all granted
</Directory>
```

```
ErrorLog ${APACHE_LOG_DIR}/cacti_error.log
CustomLog ${APACHE_LOG_DIR}/cacti_access.log combined
</VirtualHost>
```

Enable site:

```
sudo a2ensite cacti.conf
sudo systemctl reload apache2
```

Configure Cron for Poller:

```
sudo nano /etc/cron.d/cacti
```

Add:

```
*/* * * * * www-data php /var/www/html/cacti/poller.php > /dev/null 2>&1
```

Configure SNMP, Edit SNMP daemon:

```
sudo nano /etc/snmp/snmpd.conf
```

Example (simple):

```
rocommunity public
sysLocation ServerRoom
sysContact admin@example.com
```

Restart SNMP:

```
sudo systemctl restart snmpd
```

Access Cacti Web Installer

```
http://<your-server-ip>/cacti
```

Now you have Cacti latest version running on Ubuntu 24.04

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