

# Icinga 2 on (CentOS7)

NETWORK MONITORING WITH ICINGA2

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## What is Icinga 2 ?

Icinga 2 is an open source monitoring system which checks the availability of your network resources, notifies users of outages, and generates performance data for reporting

Scalable and extensible, Icinga 2 can monitor large, complex environments across multiple locations

## Licensing

Icinga 2 and the Icinga 2 documentation are licensed under the terms of the GNU General Public License Version 2, you will find a copy of this license in the LICENSE file included in the source package.

## Installing icinga 2

```
# yum install https://packages.icinga.org/epel/7/release/noarch/icinga-rpm-release-7-1.el7.centos.noarch.rpm
# yum install epel-release -y
# yum install icinga2 -y
# systemctl enable icinga2
# systemctl start icinga2
# icinga2 feature list
```

## Installing Nagios-plugins

```
# yum install nagios-plugins-all -y
# systemctl status icinga2
# systemctl restart icinga2
```

## Installing MySQL (MariaDB)

```
# yum install mariadb-server mariadb -y
# systemctl enable mariadb
# systemctl start mariadb
# mysql_secure_installation
```

## Installing IDO modules for MySQL

```
# yum install icinga2-ido-mysql -y
```

## Setting up the MySQL database

```
# mysql -u root -p
mysql> CREATE DATABASE icinga;
mysql> GRANT SELECT, INSERT, UPDATE, DELETE, DROP, CREATE VIEW, INDEX, EXECUTE ON icinga.* TO 'icinga'@'localhost'
IDENTIFIED BY 'icinga';
quit
```

**After creating the database you can import the Icinga 2 IDO schema using the following command:**

```
# mysql -u root -p icinga < /usr/share/icinga2-ido-mysql/schema/mysql.sql
```

## Enabling the IDO MySQL module

```
# icinga2 feature enable ido-mysql
# systemctl restart icinga2
```

## Installing Webserver

```
# yum install httpd -y
# systemctl enable httpd
# systemctl start httpd
# touch /var/www/html/index.html
```

## Add firewall rule to accept http traffic

```
# firewall-cmd --add-service=http
# firewall-cmd --permanent --add-service=http
```

## Setting Up External Command Pipe

```
# icinga2 feature enable command
# systemctl restart icinga2
# usermod -a -G icingacmd apache
# id apache
```

## Installing Icinga Web 2

```
# yum install icingaweb2 icingacli -y
```

## Preparing Icinga Web 2 Setup

```
# groupadd -r icingaweb2
# usermod -a -G icingaweb2 apache
# systemctl restart httpd
```

## Create a Database for icingaweb2

```
# sudo mysql -p
mysql> CREATE DATABASE icingaweb2;
mysql> GRANT SELECT, INSERT, UPDATE, DELETE, DROP, CREATE VIEW, INDEX, EXECUTE ON icingaweb2.* TO
'icingaweb2'@'localhost' IDENTIFIED BY 'icingaweb2';
quit
```

## importing schema

```
# mysql -p icingaweb2 < /usr/share/icingaweb2/etc/schema/mysql.schema.sql
```

## Preparing Web Setup

```
# icingacli setup token create
# icingacli setup token show
```

## Disabled SELinux for sending commands via external command pipe provided by Icinga (2) Core

```
setenforce 0
```

## Adding php time zone

```
# vi /etc/php.ini
date.timezone=Asia/Kolkata
# systemctl restart httpd
```

## Installing missing php-ldap module

```
# yum install php-ldap -y
# systemctl restart httpd
```

### **Changing Proces configuration**

```
# vi /usr/share/icinga2/include/command-plugins.conf  
change 500 - 600
```

### **mail configuration**

```
# vi /etc/icinga2/conf.d/users.conf
```

Add email id

Completed...