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.timezome=Asia/Kolkata

# systemctl restart httpd

**Installing missing php-ldap module**

# yum install php-ldap -y

# systemctl restart httpd

**Changing Proces configuration**

# vi /usr/shware/icinga2/include/command-plugins.conf

change 500 – 600

**mail configuration**

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

Add email id

Completed…