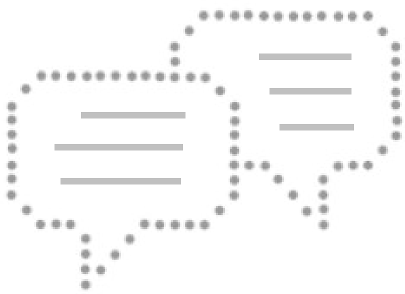
BBVA GlobalNet

Server Statistics (systemD)

User Manual



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1 .Configure to Work

NOTE: If you install web2py in /opt, the application name is serverStatistics and you generate the private key from root user. This application must work properly.

NOTE: Be careful with privileges. Maybe the daemon can't read or write in the database folder. You can check it in *`/var/log/systemd.log`*

Some variables must be changed in *controllers/systemas.py* and *daemon/conf.py*:

#Absolute path to the server web2py

path_systemd_server="/opt/web2py"

#Relative path from the server to the application software

client_software='applications/serverStatistics/software/client'

server_software='applications/serverStatistics/software/server'

#Admin user configuration access

ssh_user_admin='root'

rsa_private_key_admin=**r"/root/.ssh/id_rsa"** # r is needed

#Another user without privileges (not dev yet)

ssh_user='none'

rsa_private_key=r"none"

#Relative path to the database orca (where the graphs are stored)

orca_path='applications/serverStatistics/orca'

#Where we want to install orca in the client

path_client_systemd='/opt/systemd'

#Relative path to the database

database_sqlite3='applications/serverStatistics/databases/serverStatistics.db'

With all the previous changes SystemD must work properly. if you want systemD to have **full access to other servers and also to servers statistics** The installation of some packages are required as well the need to generate a private key to allow access.

Packages:

python-paramiko-1.7.6 (to use ssh access)

librrds-perl (to generate the graphs from rrds files)

To generate Private Key:

#ssh-keygen (when password is asked, don't introduce anything)

We will have:

Private Key: id_rsa (keep it in secret)

Public Key: id_rsa.pub

To allow access to systemD to the servers:

#mkdir -p /root/.ssh

#vi /root/.ssh/authorized_keys (we paste the public key)

We test if it work:

#ssh root@ip_cliente (we answer *yes* to accept the fingerprint)

To make the daemon work, we must create the following files:

#cd /var/log/

#touch systemd.log

#touch systemd.err

#chmod 666 systemd.log

#chmod 666 systemd.err

#cd var/run/

#touch systemd.pid

#chmod 666 systemd.pid

To make Orca work

#vi /opt/web2py/applications/serverStatistics/applications/serverStatistics/software/server/orca/bin/orca

my $prefix= "/opt/web2py/applications/serverStatistics/software/server/orca";

To make Orca work, we must change the previous variable, and introduce the absolute path to the Orca folder

To make Orca client work

After store a server you must start Orca client manual.

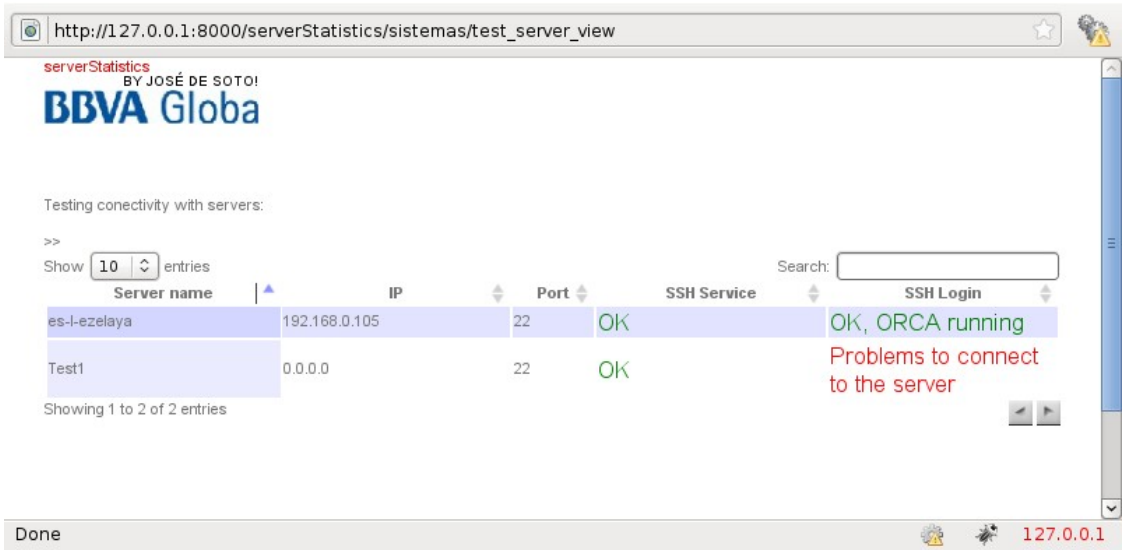
RedHat, Centos, Fedora:

#/etc/rc3.d/S99procallator start

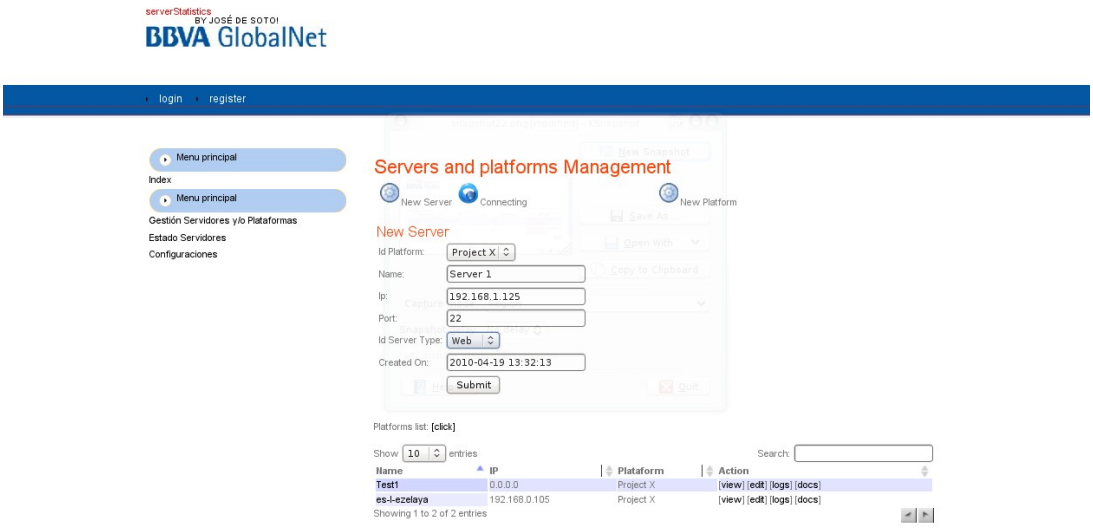
Others:

#/usr/bin/perl -w # -*- perl -*- /opt/systemd/bin/procallator

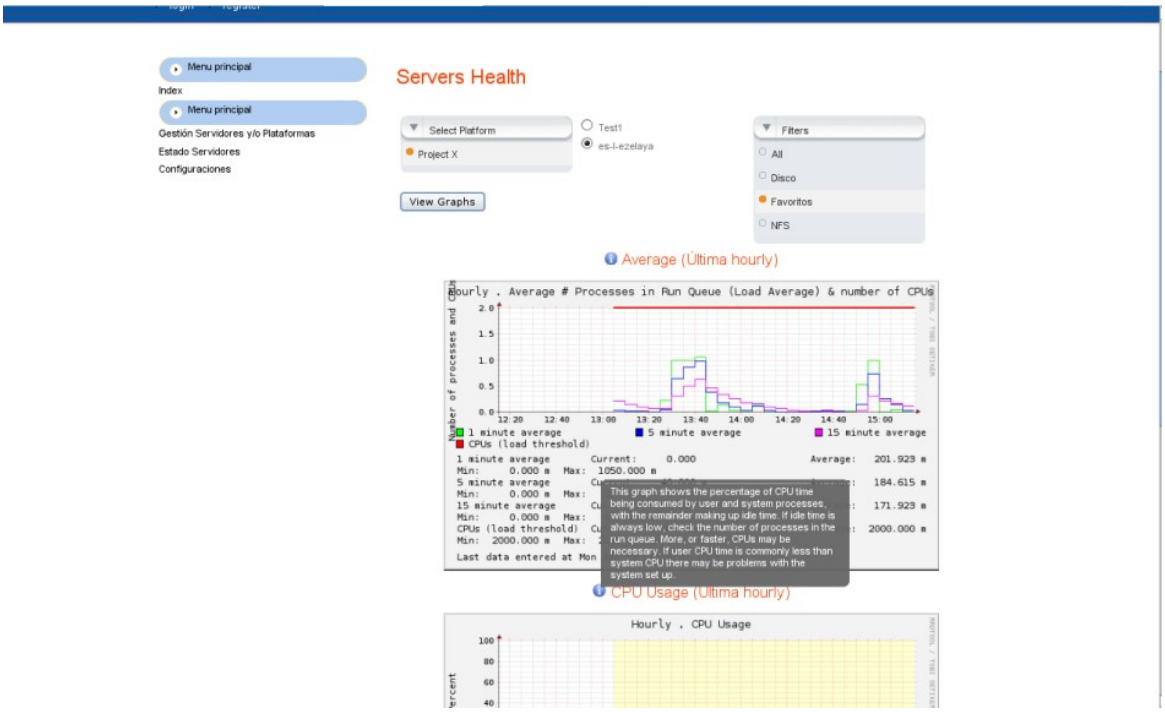
Testing connectivity



Introducing new server



Access to the Statistic



2 .References

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