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I.T. - As Built

I'm an IT Professional with over 10 years experience. I've worked as a contractor for SMBs, LAN Admin for large enterprise and a mix of everything in between. In my current role, I'm an IT Team Leader for a market research company. The main purpose of this site though is to try and give something back to the online community which has been by far the most valuable of all my tools over the years. I hope you find something helpful!

Wednesday, July 14, 2010

Installing Zabbix agent daemon on Linux 2.6.x based system

Just a simple HowTo of installing the Zabbix agent daemon.

Create the zabbix user and required directories:

```
# useradd zabbix
# mkdir /var/log/zabbix
# mkdir /etc/zabbix
# mkdir /usr/src/zabbix
```

Download and extract the Zabbix agent precompiled binaries for Linux 2.6.x kernel (in this case the x64 version)

```
# cd /usr/src/zabbix
# wget http://www.zabbix.com/downloads/1.8.2/zabbix_agents_1.8.2.linux2_6.x64.tar.gz
# tar xvf zabbix_agents_1.8.2.linux2_6.x64.tar.gz
# cp /usr/src/zabbix/sbin/zabbix_agentd /usr/local/bin
```

Create a basic zabbix_agentd.conf in /etc/zabbix. Here is an example:

```
# This is config file for zabbix_agentd
# To get more information about ZABBIX, go http://www.zabbix.com
#
##### GENERAL PARAMETERS #####

# List of comma delimited IP addresses (or hostnames) of ZABBIX servers.
# No spaces allowed. First entry is used for sending active checks.
# Note that hostnames must resolve hostname->IP address and
# IP address->hostname.

Server=111.222.333.444

# Server port for sending active checks

ServerPort=10051

# Unique hostname. Required for active checks.

Hostname=myhostname.mydomain.com

# Listen port. Default is 10050

ListenPort=10050

# IP address to bind agent
# If missing, bind to all available IPs

#ListenIP=127.0.0.1

# Number of pre-forked instances of zabbix_agentd.
# Default value is 5
# This parameter must be between 1 and 16
```

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```
StartAgents=3

# How often refresh list of active checks. 2 minutes by default.

RefreshActiveChecks=1800

# Disable active checks. The agent will work in passive mode listening server.

DisableActive=0

# Enable remote commands for ZABBIX agent. By default remote commands disabled.

EnableRemoteCommands=1

# Specifies debug level
# 0 – debug is not created
# 1 – critical information
# 2 – error information
# 3 – warnings
# 4 – information (default)
# 5 – for debugging (produces lots of information)

DebugLevel=4

# Name of PID file

PidFile=/etc/zabbix/zabbix_agentd.pid

# Name of log file.
# If not set, syslog will be used

LogFile=/var/log/zabbix/zabbix_agentd.log

# Maximum size of log file in MB. Set to 0 to disable automatic log rotation.
LogFileSize=5

# Spend no more than Timeout seconds on processing
# Must be between 1 and 30

Timeout=30

##### USER-DEFINED MONITORED PARAMETERS #####
# Format: UserParameter=,
# Note that shell command must not return empty string or EOL only

Set permissions for the files/directories

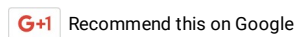
# chown -R zabbix:zabbix /var/log/zabbix
# chown -R zabbix:zabbix /etc/zabbix

Start the daemon

/usr/local/bin/zabbix_agentd

You may want to add this line to your /etc/rc.d/rc.local as well to ensure the daemon starts
after a reboot
```

Posted by dthomo at 5:11 PM



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