HIE 3.HAProxy Installation Document

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# About this document

## Purpose of this document

The purpose of this document is to guide on how to install the HAProxy on centos 7.

## Audience

All the Devops and network administrator level users of MDAP are the audience of this document.

## Abbreviations

|  |  |
| --- | --- |
| **Abbreviation** | **Expansion** |
| WAL | Write Ahead Log |

# Overview

HAProxy, which stands for High Availability Proxy, is a popular open source software TCP/HTTP Load Balancer and proxying solution which can be run on Linux, Solaris, and FreeBSD. Its most common use is to improve the performance and reliability of a server environment by distributing the workload across multiple servers (e.g. web, application, database).

# Install HAPROXy on centos-7

The HAProxy is available on the CentOS repository, but it might not be carrying the latest release. In order to check which version is currently available to you, simply run the following.

yum info haproxy

## HAProxy on CentOS 7

compile the program for your system.:

wget http://www.haproxy.org/download/1.7/src/haproxy-1.7.5.tar.gz

tar xvzf haproxy-1.7.5.tar.gz

cd haproxy-1.7.5

make install

## Build and Install HAProxy

Next, add the following directories and the statistics file for HAProxy records.

sudo mkdir -p /etc/haproxy

sudo mkdir -p /var/lib/haproxy

sudo touch /var/lib/haproxy/stats

Create a symbolic link for the binary to allow you to run HAProxy commands as a normal user.

sudo ln -s /usr/local/sbin/haproxy /usr/sbin/haproxy

.

If you want to add the proxy as a service to the system, copy the haproxy.init file from the examples to your /etc/init.d directory. Change the file permissions to make the script executable and then reload the systemd daemon.

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sudo cp ~/haproxy-2.0.7/examples/haproxy.init /etc/init.d/haproxy

sudo chmod 755 /etc/init.d/haproxy

sudo systemctl daemon-reload

You will also need to enable the service to allow it to restart automatically at system boot-up.

sudo chkconfig haproxy on

For general usage, it is also recommended to add a new user for HAProxy to be run under.

sudo useradd -r haproxy

Afterwards, you can double-check the installed version number with the following command.

Haproxy -v