**Redis-6**

*Steps for Redis installation:*

* Update the system's package manager and ensures that the system is up to date

yum update

* Install the Redis server and its dependencies using the package manager

yum install redis

* List all running processes and filters for processes containing the word "redis". It helps us verify if the Redis server is running

ps -ef | grep redis

* Start the Redis server as a system service.

systemctl start redis

* Check the status of the Redis service

systemctl status redis

* Add a firewall rule to allow incoming connections on port 6379, which is the default port used by Redis.

firewall-cmd --zone=public --add-port=6379/tcp --permanent

* Reload the firewall rules to apply the changes made in the previous command.

firewall-cmd --reload

* Check if there are any firewall rules allowing incoming connections on port 6379, which is the default port for Redis.

iptables-save | grep 6379

* Opens the Redis configuration file in the vi text editor to modify various settings in this file if needed.

vi /etc/redis/redis.conf

* Change a line from bind.127.0.0.1-::1 to bind 0.0.0.0 -::1 and :wq save it and exit.

* Restarts the Redis service to apply any changes made to the configuration file.

systemctl restart redis

* Command checks the status of the Redis service again to ensure that it is running after the restart.

systemctl status redis

* Check if a connection can be established to the local Redis server on port 6379.

nc -zv -w2 127.0.0.1 6379

* Validate the Redis from local cmd

Test-NetConnection 10.0.3.164 -Port 6379

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Description automatically generated