Please follow instructions in this document to deploy redis sentinels, master and slaves on four windows servers

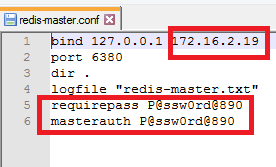
Setup architechture will be as shown in below diagram

A black and white square with red text

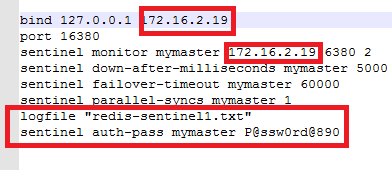
Description automatically generated

**Server 1 Deployment**

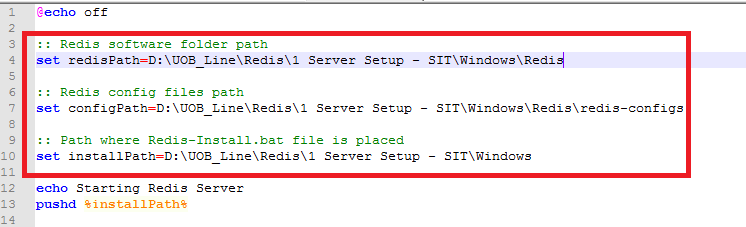
1. Copy the Redis folder, Redis-Install-Server1.bat and Redis-Uninstall-Server1.bat files to windows server 1
2. Update the following in redis-master.conf file present in Redis\redis-configs folder
3. Update IP in the bind config to the windows server 1 IP, requirepass is the password required to connect to redis master instance and masterauth is the password required for slaves to connect to master.



1. Logfile location can also be changed if required. Else, as per given config, it will generate in redis folder with the filename as mentioned in above screenshot
2. Update the following in redis-sentinel1.conf file present in Redis\redis-configs folder
3. Update IP in the bind and sentinel monitor mymaster configs to the windows server 1 IP, auth-pass should have same password as requirepass value mentioned in master and slave configs



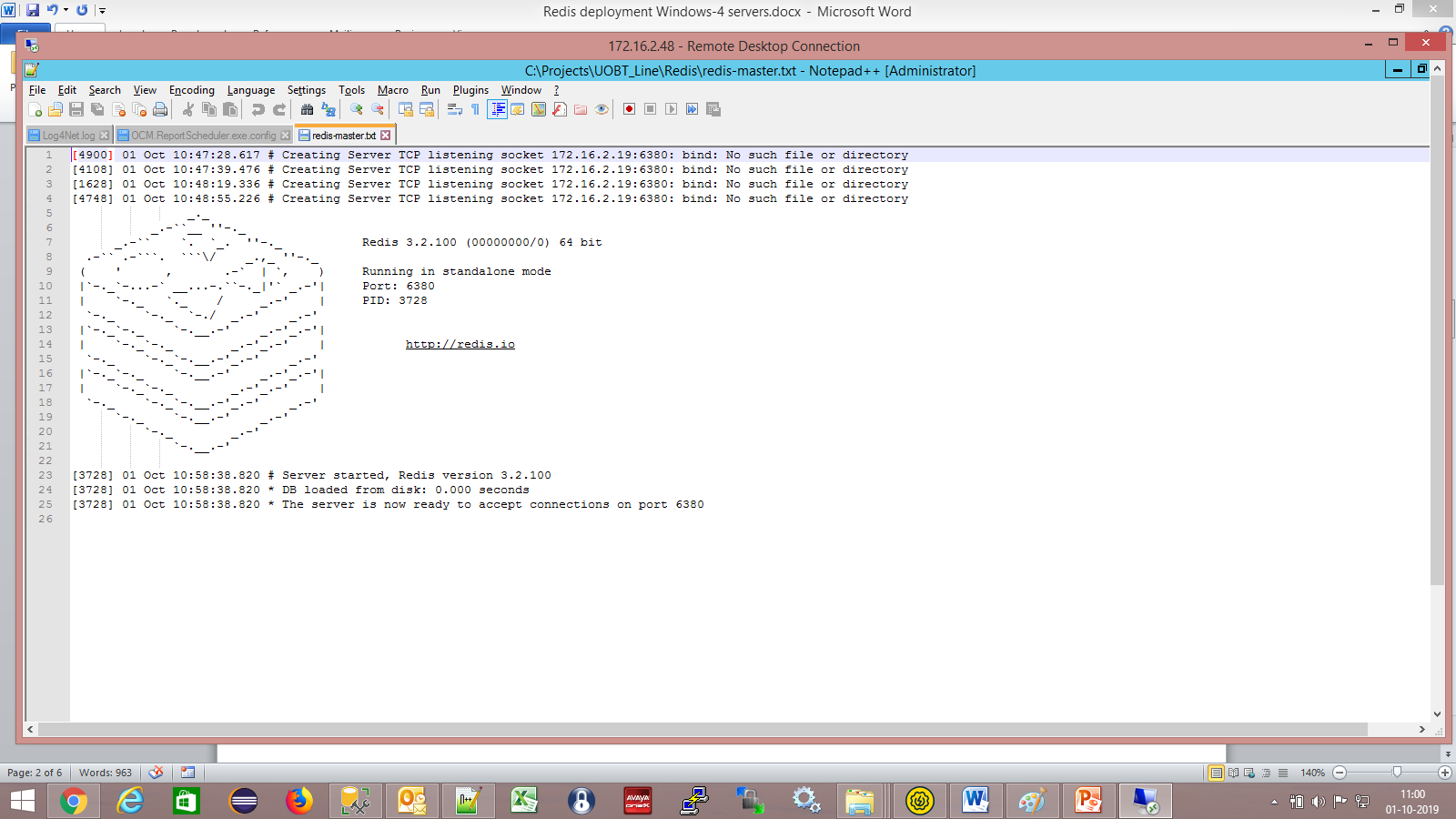
1. Logfile location can also be changed if required. Else, as per given config, it will generate in redis folder with the filename as mentioned in above screenshot
2. Redis Master is setup to use port 6380 and sentinel 1 to use port 16380. If you intend to change master port, make sure to change master port mentioned in sentinel configs. Ensure that these ports are opened in firewall as instances from server 2, 3 and 4 will need to connect to them.
3. Once all config files are updated as mentioned above, open the file Redis-Install-Server1.bat in a notepad and update paths for redisPath, configPath and installPath. redisPath should point to Redis folder, configPath should point to folder where all master, slaves and sentinel configs are stored. installPath should point to folder where Redis\_Install.bat is present



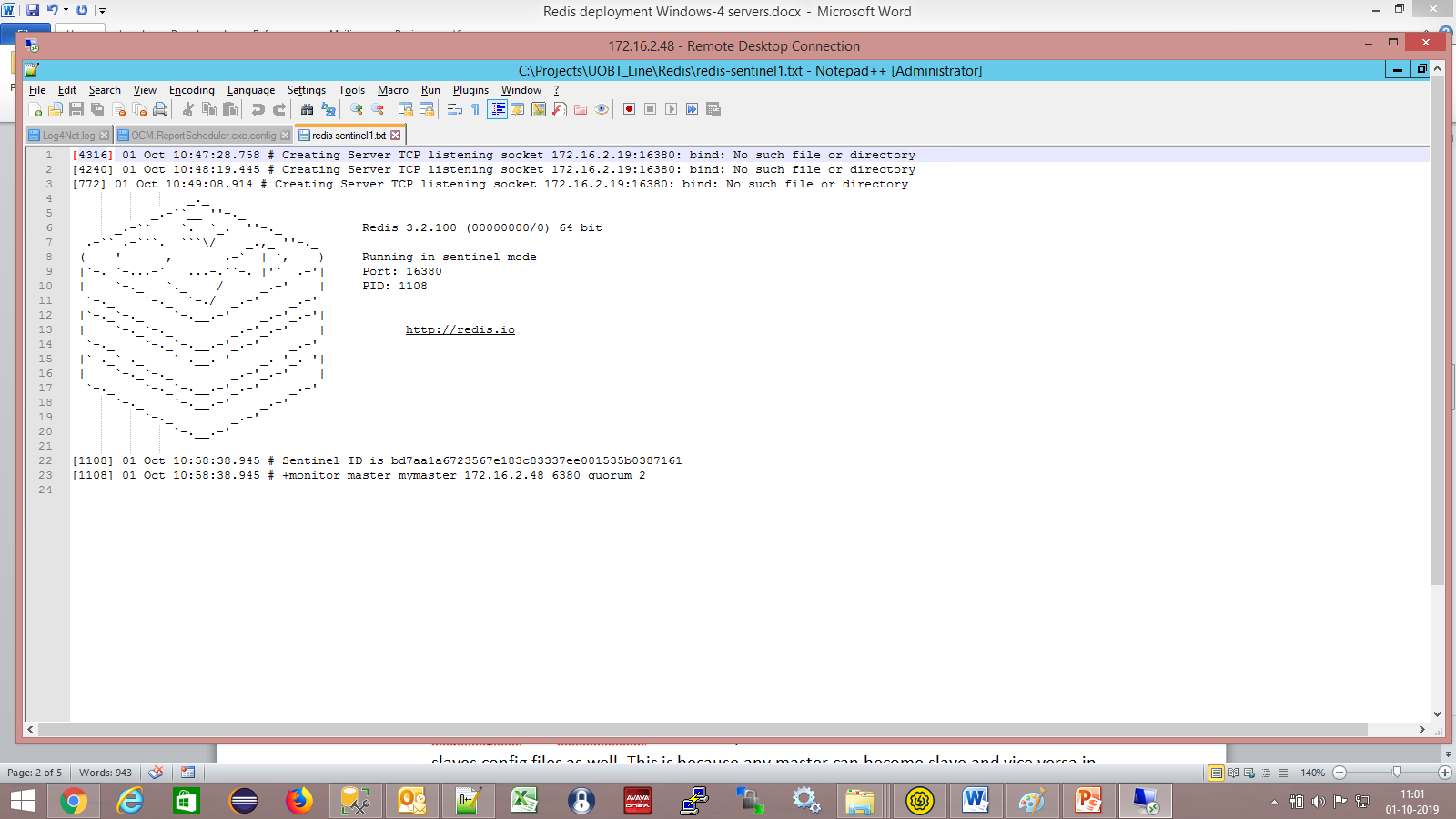
1. Save and Run the Redis-Install-Server1.bat. This will install redis master, slave 1 and sentinel 1 as windows services. Make sure to execute the file with administrator access or as a user who has access to create windows services. If the script has executed successfully, you will the list of services created in services window



1. Open Redis-Master log file, you should see that it has started successfully



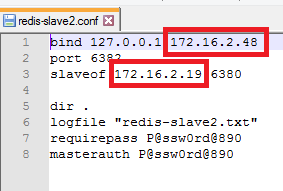
1. Open sentinel 1 log file and verify that sentinel has been able to find master



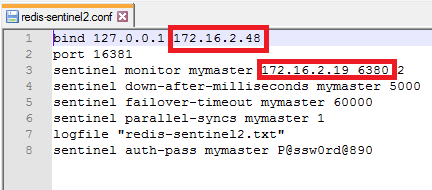
1. Redis-UnInstall-Server1.bat script can be used if the redis master and sentinel services need to be deleted from windows services.

**Server 2 Deployment**

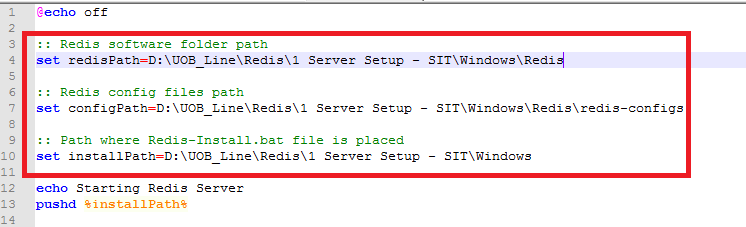
1. Copy the Redis folder, Redis-Install-Server2.bat and Redis-Uninstall-Server2.bat files to windows server 2
2. Update the following in redis-slave1.conf file present in Redis\redis-configs folder
3. Update IP in the bind to windows server IP 2 and IP in slaveof configs to the windows server 1 IP, requirepass is the password required to connect to redis master instance and masterauth is the password required for slaves to connect to master. Make sure requirepass and masterauth have same password and are same across master and slaves config files as well. This is because any master can become slave and vice versa in failover situations and so should be using same password to connect to each other.



1. Logfile location can also be changed if required. Else, as per given config, it will generate in redis folder with the filename as mentioned in above screenshot
2. Update the following in redis-sentinel2.conf file present in Redis\redis-configs folder
3. Update IP in the bind to windows server IP 2 and IP in sentinel monitor mymaster configs to the windows server 1 IP, auth-pass should have same password as requirepass value mentioned in master and slave configs



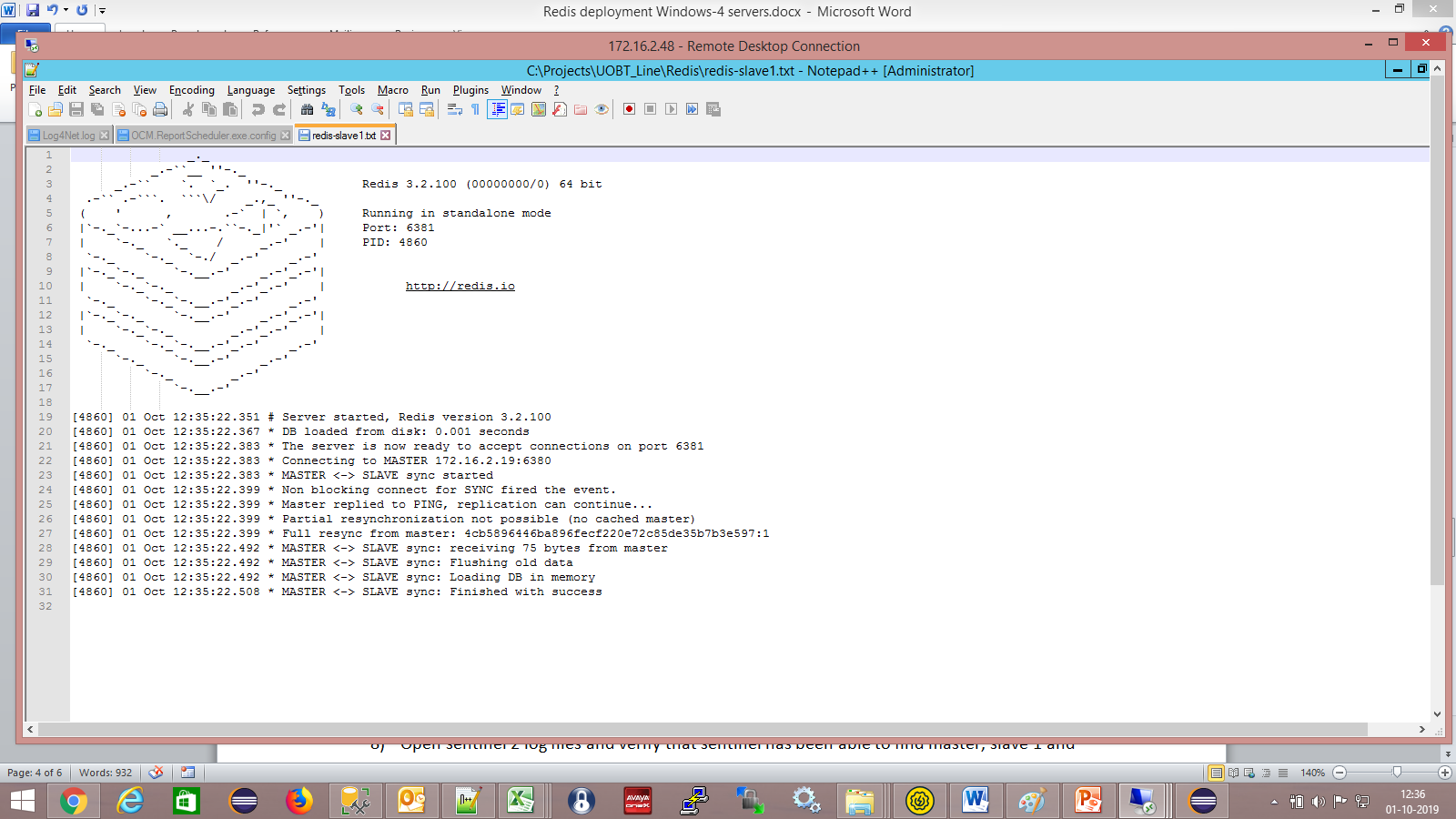
1. Logfile location can also be changed if required. Else, as per given config, it will generate in redis folder with the filename as mentioned in above screenshot
2. Redis slave 1 to use port 6381 and sentinel 2 to use port 16381. Ensure that these ports are opened in firewall as instances from server 1, 3 and 4 will need to connect to them.
3. Once all config files are updated as mentioned above, open the file Redis-Install-Server2.bat in a notepad and update paths for redisPath, configPath and installPath. redisPath should point to Redis folder, configPath should point to folder where all master, slaves and sentinel configs are stored. installPath should point to folder where Redis\_Install.bat is present



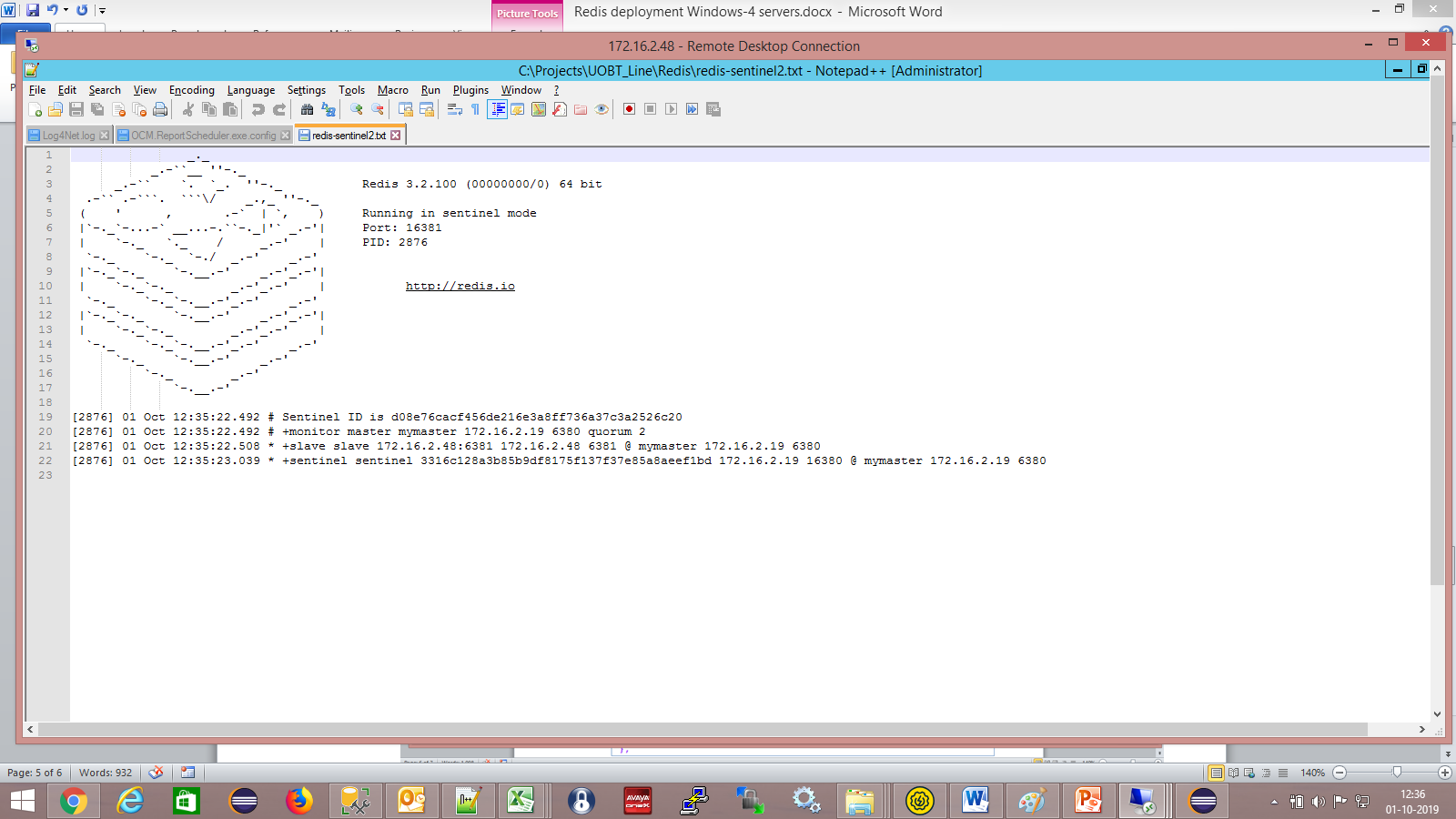
1. Save and Run the Redis-Install-Server2.bat. This will install redis slave 1 and sentinel 2 as windows services. Make sure to execute the file with administrator access or as a user who has access to create windows services. If the script has executed successfully, you will see the list of services created in services window



1. Open slave 1 log file and verify that it has synchronized to the master successfully



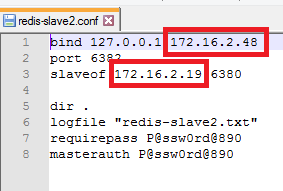
1. Open sentinel 2 log file and verify that sentinel has been able to find master, slave 1 and sentinel 1 instances



1. Redis-UnInstall-Server2.bat script can be used if the redis slaves and sentinel services need to be deleted from windows services.

**Server 3 Deployment**

1. Copy the Redis folder, Redis-Install-Server3.bat and Redis-Uninstall-Server3.bat files to windows server 3
2. Update the following in redis-slave2.conf file present in Redis\redis-configs folder
3. Update IP in the bind to windows server IP 3 and IP in slaveof configs to the windows server 1 IP, requirepass is the password required to connect to redis master instance and masterauth is the password required for slaves to connect to master. Make sure requirepass and masterauth have same password and are same across master and slaves config files as well. This is because any master can become slave and vice versa in failover situations and so should be using same password to connect to each other.

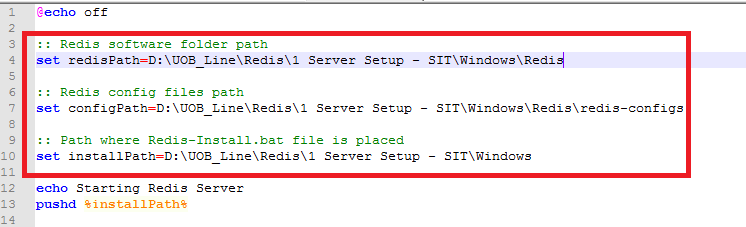


1. Logfile location can also be changed if required. Else, as per given config, it will generate in redis folder with the filename as mentioned in above screenshot
2. Redis slave 2 to use port 6382. Ensure that these ports are opened in firewall as instances from server 1 and 2 will need to connect to them.
3. Update the following in redis-sentinel3.conf file present in Redis\redis-configs folder
4. Update IP in the bind to windows server IP 3 and IP in sentinel monitor mymaster configs to the windows server 1 IP, auth-pass should have same password as requirepass value mentioned in master and slave configs

A screenshot of a computer

Description automatically generated

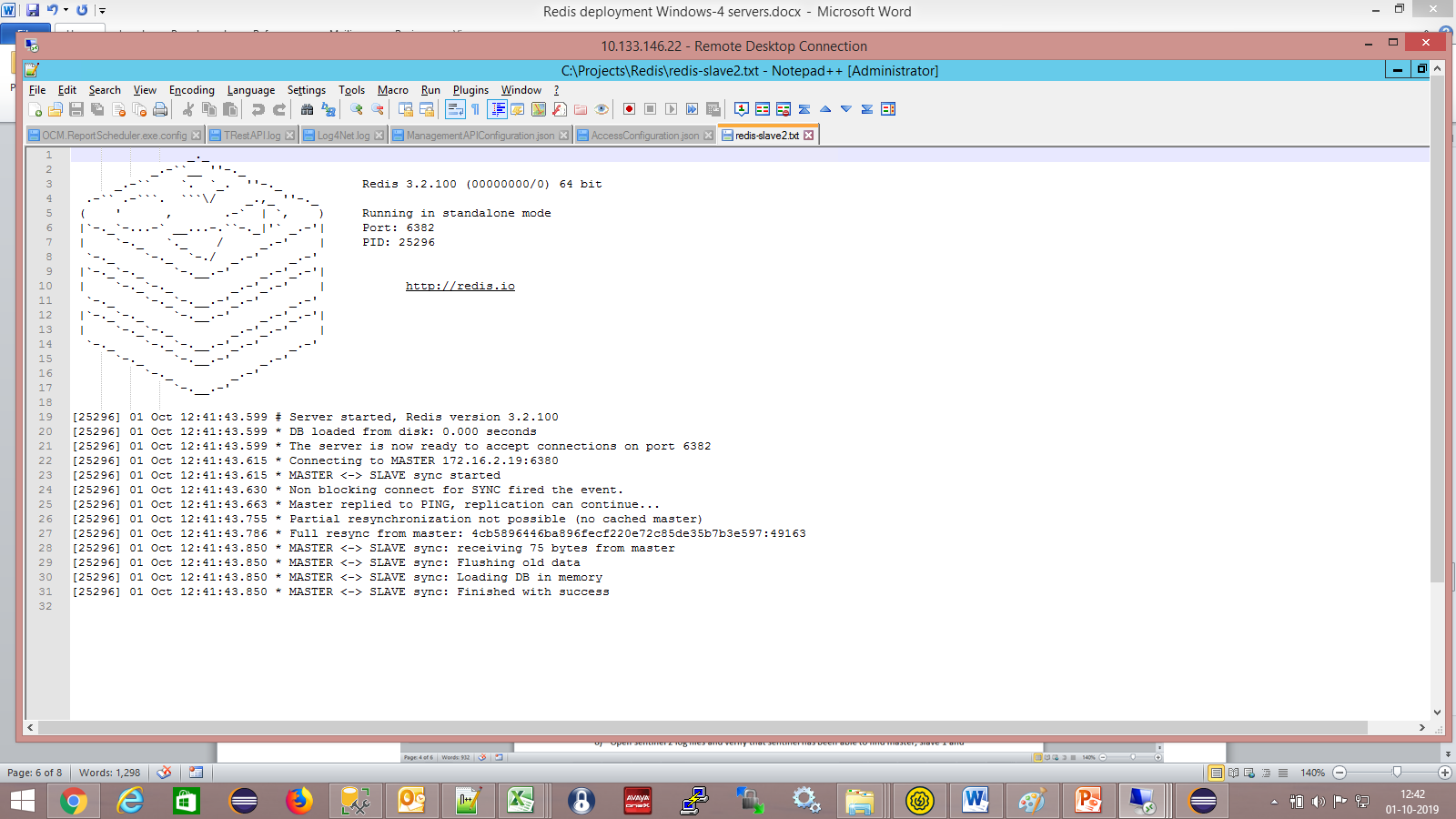
1. Logfile location can also be changed if required. Else, as per given config, it will generate in redis folder with the filename as mentioned in above screenshot
2. Redis sentinel 3 to use port 16382. Ensure that these ports are opened in firewall as instances from server 1, 2 and 3 will need to connect to them.
3. Once all config files are updated as mentioned above, open the file Redis-Install-Server3.bat in a notepad and update paths for redisPath, configPath and installPath. redisPath should point to Redis folder, configPath should point to folder where all master, slaves and sentinel configs are stored. installPath should point to folder where Redis\_Install.bat is present



1. Save and Run the Redis-Install-Server3.bat. This will install redis slave 2 and redis sentinel 3 as windows services. Make sure to execute the file with administrator access or as a user who has access to create windows services. If the script has executed successfully, you will see the list of services created in services window



1. Open slave 2 log file and verify that it has synchronized to the master successfully



1. Open sentinel 3 log file and verify that it has synchronized to the master, slaves and other sentinels successfully

A computer screen shot of a computer

Description automatically generated

1. Applications which need Redis can then point to the Sentinels through their configuration.
2. Redis-UnInstall-Server3.bat script can be used if the redis slave and sentinel services need to be deleted from windows services.