On Prem Installation Manual

1. Install wget and download the On Prem installation Script
   - If using pendrive then follow below steps to mount it.
     a. sudo df -h (select your device using the size eg : /dev/sdb1)
     b. cd /mnt
     c. sudo mkdir pendrive
     d. sudo chmod 777 pendrive
     e. sudo mount /dev/sdb1 /mnt/pendrive
     f. cd /mnt/pendrive
     g. cp -r ./* /mnt/
     h. cd /mnt
     i. sudo umount /mnt/pendrive (Now you can remove your pendrive)
     j. sudo rm -rf /mnt/pendrive
     k. ls -l
     l. sudo rm -rf "System Volume Information"
   - Contents copied from pendrive to /mnt is as below
     a. wars.tar.gz
     b. db_bkp.tar.gz
     c. appedo.tar.gz
     d. jdk-7u67-linux-x64.tar.gz
     e. apache-tomcat-7.0.55.tar.gz
     f. tomcat-users.xml
     g. postgresql-9.3.2-1-linux-x64.run
     h. env.sh
     i. catalina.sh
     j. appedo_onprem_restart.sh
     k. appedo_onprem_installation.sh
   - If using internet then follow below steps.
     a. wget -V *Verify if wget is installed*
     b. sudo yum -y install wget *Execute if wget is not installed*
     c. sudo wget -O appedo_onprem_installation.sh https://www.dropbox.com/s/huf5kyt17vso3ye/appedo_onprem_installation.sh
     d. cd /opt
   - sudo chmod 777 appedo_onprem_installation.sh
   - sudo sh appedo_onprem_installation.sh
   - ./env.sh
   - source ~/.bashrc

2. Run the "postgresql-9.3.2-1-linux-x64.run" binary file as,
   - cd /mnt/appedo/postgres/installation
   - If using internet
     sudo wget -O postgresql-9.3.2-1-linux-x64.run https://www.dropbox.com/s/inj4gmkl34n06n6/postgresql-9.3.2-1-linux-x64.run
   - If using pendrive then move postgresql-9.3.2-1-linux-x64.run from /mnt to /mnt/appedo/postgres/installation
     mv /mnt/postgresql-9.3.2-1-linux-x64.run /mnt/appedo/postgres/installation/
   - sudo chmod 744 postgresql-9.3.2-1-linux-x64.run
   - sudo ./postgresql-9.3.2-1-linux-x64.run

3. Login as postgres user,
   - sudo su - postgres

4. Create database op_appedo as,
    - **$**cd bin
    - **$**./psql
    - enter password
    - **=#**create database op_appedo;
    - **=#**\c op_appedo
    - **=#**\q
    - **$**exit

5. Change the maximum number of connections to 1000 in "../data/postgresql.conf" as,
    - port = 5432 # (change requires restart)
    - max_connections = 2000 # (change requires restart)
    - [./pg_ctl-D ../data/reload]

6. Do the Database Tuning in "../data/postgresql.conf" as,

```
max_connections = 2000
# -Memory-
shared_buffers = 1024MB # min 128kB
# (change requires restart)
temp_buffers = 8MB # min 800kB
max_prepared_transactions = 0 # zero disables the feature
# (change requires restart)
# Note: Increasing max_prepared_transactions costs ~600 bytes of shared memory
# per transaction slot, plus lock space (see max_locks_per_transaction).
# It is not advisable to set max_prepared_transactions nonzero unless you
# actively intend to use prepared transactions.
work_mem = 1MB # min 64kB
maintenance_work_mem = 16MB # min 1MB
#max_stack_depth = 2MB # min 100kB
# -Disk-
#temp_file_limit = -1
# limits per-session temp file space
# in kB, or -1 for no limit
```

7. Restart the Postgresql service.
    - sudo /sbin/service postgresql-9.3 restart

8. Restore the db backup in op_appedo database as below.
    - cd /opt/PostgreSQL/9.3/bin
    - ./pg_restore -i -h localhost -p 5432 -U postgres -d op_appedo -v /mnt/appedo/db_files/op_appedo.sql
    - sudo /sbin/service postgresql-9.3 restart
    - If using internet

        sudo sh /opt/appedo_onprem_restart.sh
    - If using pendrive

        sudo sh /mnt/appedo_onprem_restart.sh

9. Verifying Appedo Login
    1) 1. Open your browser and type the url http://localhost/appedo/#
        a. You will be seeing Appedo Login Page
    2) 2. Login using the following credentials
        a. Username: sysadmin@appedo.com
        b. Password: appedo
        c. Logout