Step1: Mongo should be installed (Use 10.0.90.17 machine for this work).

Step2: To start mongodb go to the mongodb folder. go to bin folder.

Command To start mongodb

mongod --fork --dbpath /var/lib/mongo/ --logpath /var/log/mongodb.log --logappend

Step3: To fetch the data (state by state filtering with defined Taxonomies) from the NPI file

Perform the following command To fetch particular state data from NPI data:

mongoexport -d application-Core -c providers --query '{$and : [{ "pracAddress.state" : "STATE-CODE" },{taxonomy : { $in :["208D00000X","207V00000X","207RC0000X","208000000X","207N00000X","122300000X","207Y00000X","207W00000X","2084P0800X","207X00000X","171100000X","207K00000X","231H00000X","208G00000X","111N00000X","208C00000X","133N00000X","207RE0101X","207RG0100X","237600000X","207RH0000X","207RI0200X","207VE0102X","176B00000X","207RN0300X","2084N0008X","207T00000X","207RX0202X","207W00000X","152W00000X","1223S0112X","1223X0400X","208VP0000X","1223P0221X","208100000X","225100000X","208200000X","213E00000X","1223P0700X","103T00000X","207RP1001X","2085H0002X","207RR0500X","207RS0012X","207PS0010X","208600000X","101Y00000X","261QU0200X"] }},{"EntityTypeCode":"1"}]}' --out /home/datas/NPIandMEDICAREPARSEDDATA/STATE-NAME.json

Example for California doctors list:

mongoexport -d application-Core -c providers --query '{$and : [{ "pracAddress.state" : "CA" },{taxonomy : { $in :["208D00000X","207V00000X","207RC0000X","208000000X","207N00000X","122300000X","207Y00000X","207W00000X","2084P0800X","207X00000X","171100000X","207K00000X","231H00000X","208G00000X","111N00000X","208C00000X","133N00000X","207RE0101X","207RG0100X","237600000X","207RH0000X","207RI0200X","207VE0102X","176B00000X","207RN0300X","2084N0008X","207T00000X","207RX0202X","207W00000X","152W00000X","1223S0112X","1223X0400X","208VP0000X","1223P0221X","208100000X","225100000X","208200000X","213E00000X","1223P0700X","103T00000X","207RP1001X","2085H0002X","207RR0500X","207RS0012X","207PS0010X","208600000X","101Y00000X","261QU0200X"] }},{"EntityTypeCode":"1"}]}' --out /home/datas/NPIandMEDICAREPARSEDDATA/california.json

Example for california hospitals list:

mongoexport -d application-Core -c providers --query '{$and : [{ "pracAddress.state" : "CA" },{taxonomy : { $in :["208D00000X","207V00000X","207RC0000X","208000000X","207N00000X","122300000X","207Y00000X","207W00000X","2084P0800X","207X00000X","171100000X","207K00000X","231H00000X","208G00000X","111N00000X","208C00000X","133N00000X","207RE0101X","207RG0100X","237600000X","207RH0000X","207RI0200X","207VE0102X","176B00000X","207RN0300X","2084N0008X","207T00000X","207RX0202X","207W00000X","152W00000X","1223S0112X","1223X0400X","208VP0000X","1223P0221X","208100000X","225100000X","208200000X","213E00000X","1223P0700X","103T00000X","207RP1001X","2085H0002X","207RR0500X","207RS0012X","207PS0010X","208600000X","101Y00000X","261QU0200X"] }},{"EntityTypeCode":"2"}]}' --out /home/datas/NPIandMEDICAREPARSEDDATA/california.json

Step5: Then we have to import the exported data into mongodb insurances

command to import data mongoimport -d application-Core -c providers --file

(path to the application-Core.json file).

(Eg for Arizona state:- mongoimport -d insurances -c californiaProvider --file /home/datas/NPIandMEDICAREPARSEDDATA/california.json)

Step6: After importing the data, then we have to go to below path

(/home/datas/FactualFiles)

Step7: inside the directory, we have to run 5 json files which developer have already wrote the script for fetching the data.

(forever start factual-data-loader-STATE-NAME.js)

(Note: We have to edit the script in two places and rename the files with state name for running/fetching again

While we are editting the scripts we have to make sure the state name it would be the same state name as mongoDB name)

Perform following commands to check the records counts in mongoDB

Goto MongoDB (mongo)

Goto required DB (use insurances)

Goto collections (show collections)

Then perform the below command to check the counts

db.marylandProvider.count({"factualDataLastModified":{$exists:false}})

(Note: Change the StateProvideName to chck the other states counts)

If the count is 0, which means factual data has been fetched for this particular state.

If not: you have to run again until is come to 0.

Once its 0, then export the data from StateNameFactualData put it on /home/datas/FactualStateData/

Node statenameFactual.json or forever start command

Perform the following command:

mongoexport -d insurances -c missouriFactualData --out /home/datas/FactualStatesData/statenameFactual.json

Exchample Arizona state:

mongoexport -d insurances -c arizonafactualData --out /home/datas/FactualStatesData/arizonaFactual.json

Then, run merging

Goto - (cd /home/datas/mergeNPIandFactulaFronForOtherStates)

And, run the merger script file with defined state name

Command

node mergeNPiandFactulaDataForOtherStates.js -f "arizona"

After that merging, we have to perform the following command for merging fetching LatLong

Goto LatLong folder and run node latlong.js

After done the Latlong, we have to export the Provider

Mongoexport -d insurances -c statesnameProvider --out /home/datas/finalfiles/statesname.json

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db.wyomingProvider.count({"certificationsLastUpdated":{$exists:false}})