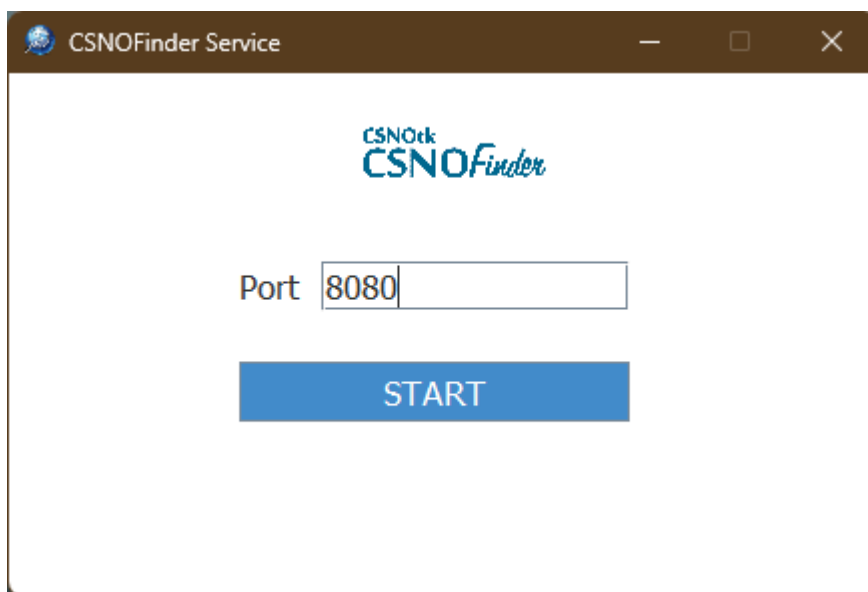


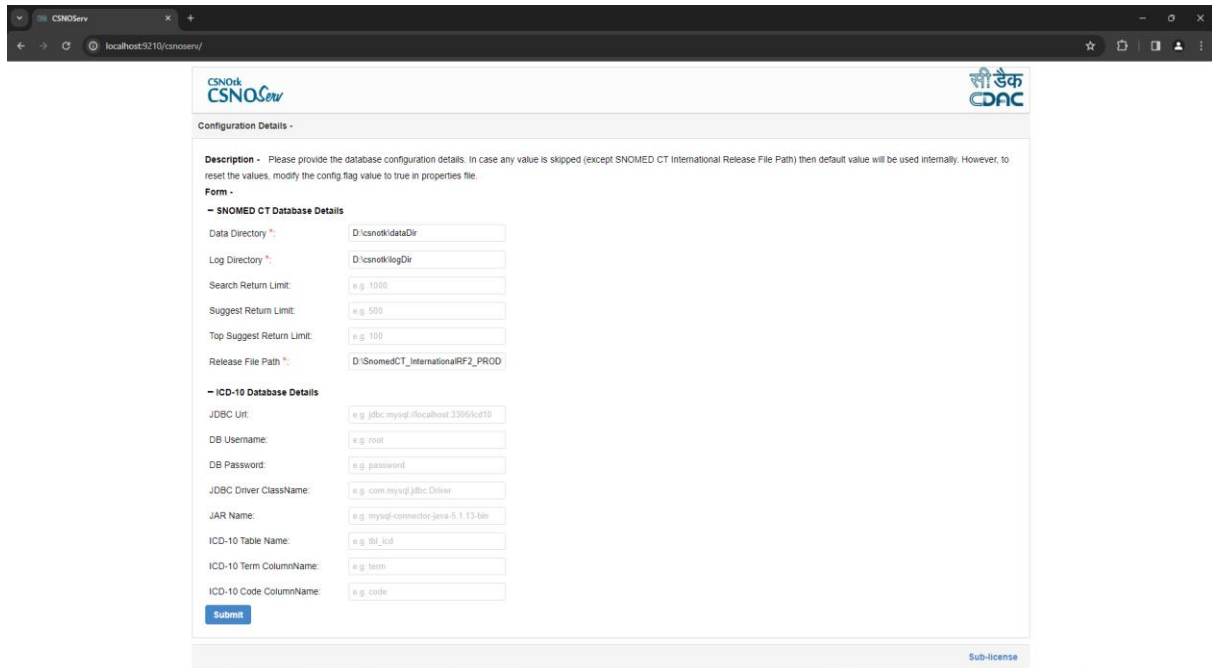
CSNOFinder Installation Guide

Steps for Installing CSNOFinder

- **Step 1:** To install CSNOFinder version X.X on your computer, double click the installer to install OR open the folder (containing the installer) in terminal and type the following command.
 - Debian based OS
`sudo apt install csnofinder*.deb`
 - RHEL based OS
`sudo rpm -i csnofinder*.rpm`
- **Step 2:** Make sure the installed files have the correct ownership. If the user and group ownership are not correct (or root), use the following command for correction.
 - `sudo chown -R username:groupname /opt/csnofinder/`
- **Step 3:** Open the application, enter port no and click on 'START' to start using CSNOFinder.



- **Step 4:** In the very beginning, CSNOServ will be opened in a browser on the port you've chosen.
Enter the paths where you want to store data and logs. Provide the absolute path of the Snapshot folder (of SNOMED's latest release) in the input box.



The screenshot shows the CSNOServ Configuration Details form in a web browser. The form is titled "Configuration Details" and includes a description: "Please provide the database configuration details. In case any value is skipped (except SNOMED CT International Release File Path) then default value will be used internally. However, to reset the values, modify the config flag value to true in properties file." Below the description is a "Form" section with two main parts: "SNOMED CT Database Details" and "ICD-10 Database Details".

SNOMED CT Database Details:

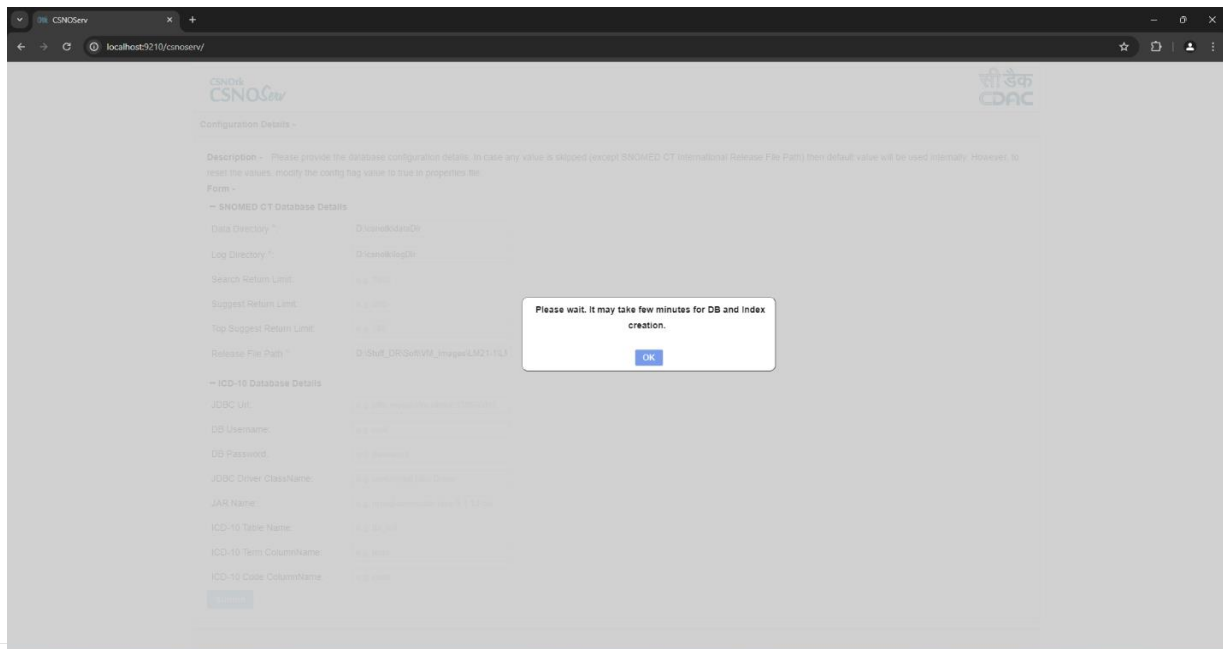
- Data Directory: D:\csnok\dataDir
- Log Directory: D:\csnok\logDir
- Search Return Limit: e.g. 1000
- Suggest Return Limit: e.g. 500
- Top Suggest Return Limit: e.g. 100
- Release File Path: D:\SnomedCT_InternationalRF2_PROD

ICD-10 Database Details:

- JDBC Url: e.g. jdbc:mysql://localhost:3306/icd10
- DB Username: e.g. root
- DB Password: e.g. password
- JDBC Driver ClassName: e.g. com.mysql.jdbc.Driver
- JAR Name: e.g. mysql-connector-java-5.1.13-bin
- ICD-10 Table Name: e.g. ICD_10
- ICD-10 Term ColumnName: e.g. term
- ICD-10 Code ColumnName: e.g. code

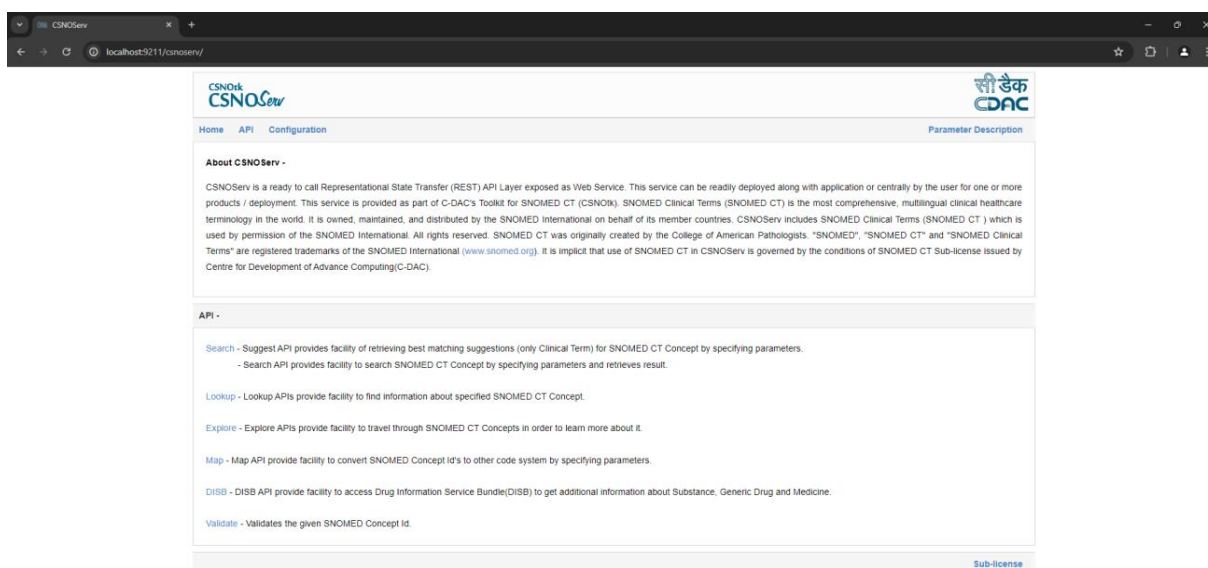
At the bottom of the form is a "Submit" button. A "Sub-license" link is visible at the bottom right of the form area.

- **Step 5:** Click on Submit to start index creation.

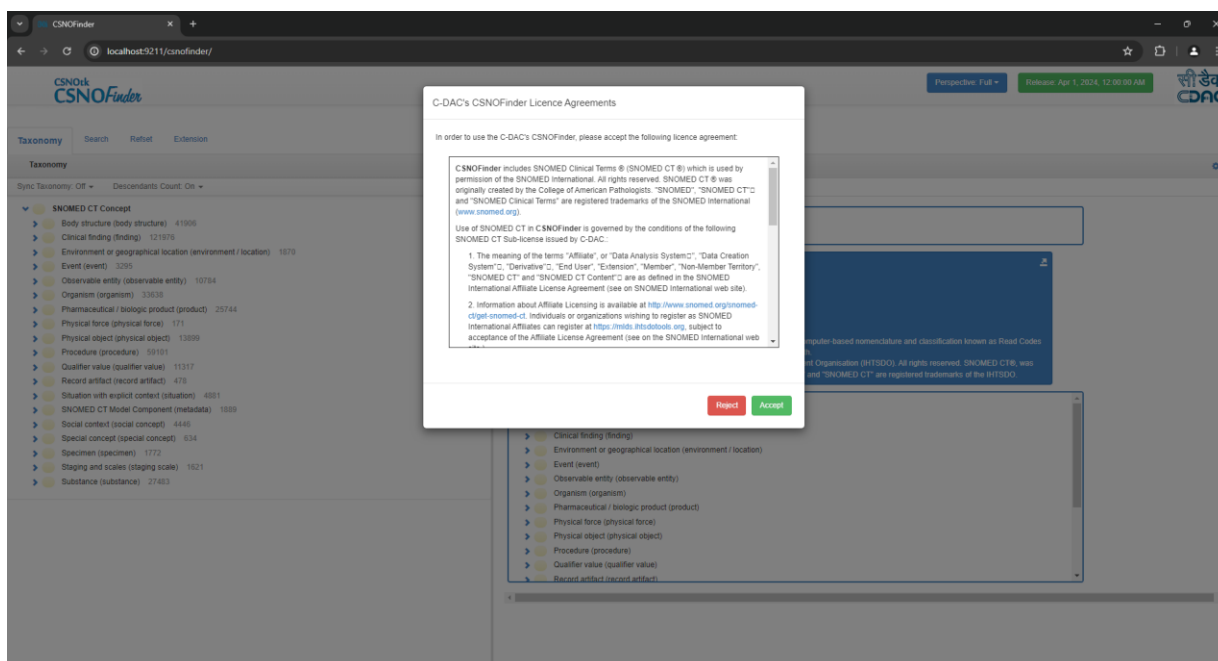


This screenshot shows the same CSNOServ Configuration Details form as the previous one, but with a modal dialog box displayed in the center. The dialog box contains the text: "Please wait. It may take few minutes for DB and index creation." and a "OK" button. The background form is dimmed, showing the same configuration fields as before.

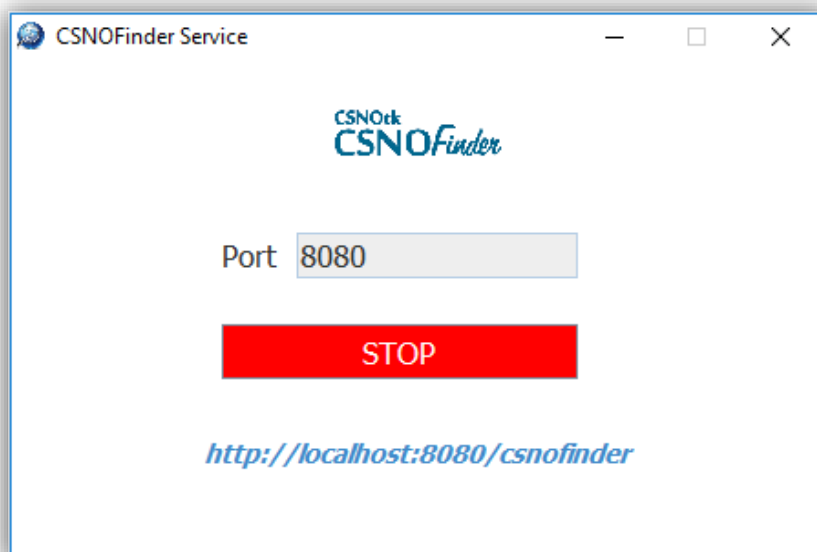
- **Step 6:** When the index creation is complete, you'll see the following home page of CSNOServ.



- **Step 7:** The next time you start CSNOFinder application, you'll be redirected to the home page of CSNOFinder. Click on Accept to start using the browser.

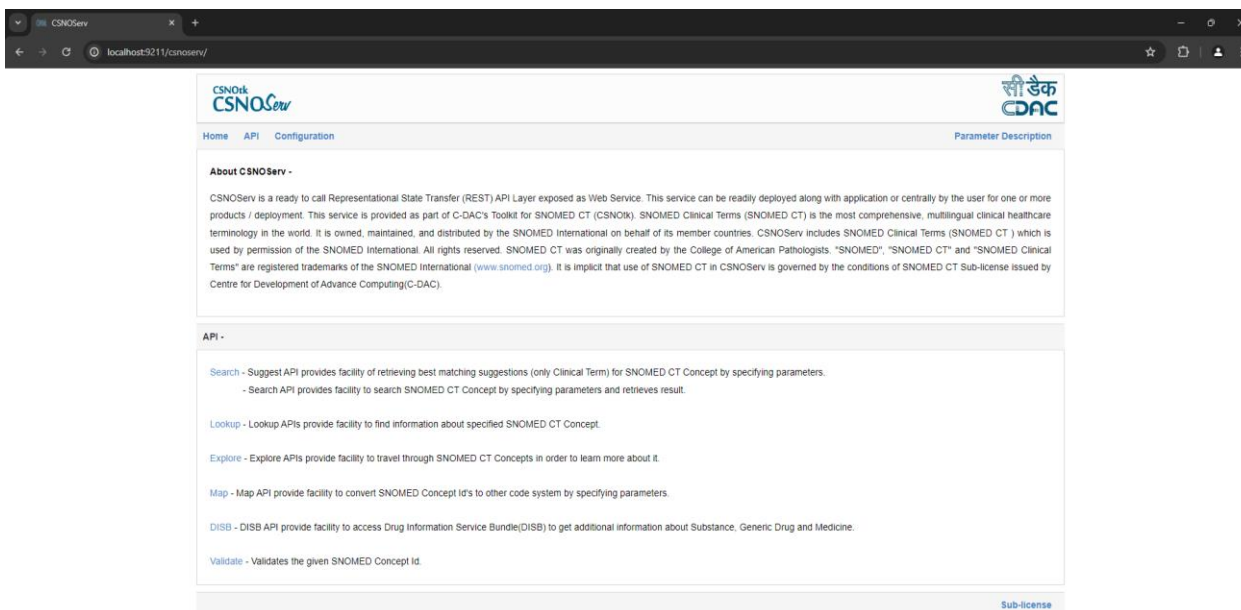


- **Step 8:** To stop using CSNOFinder, click on 'STOP'.

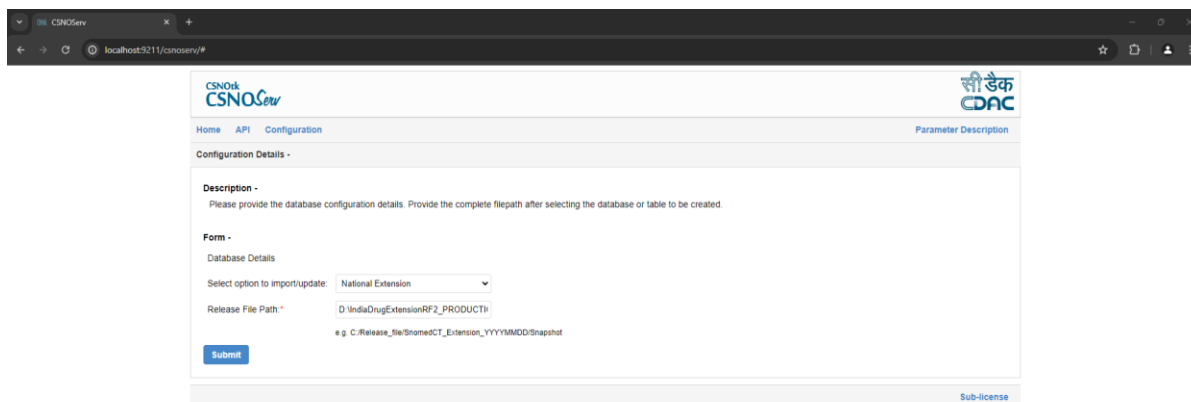


Steps for Importing Extensions/Refsets

- **Step 1:** Open CSNOFinder application, enter the desired port number (say 9211) and click on start. When the browser is opened, change the url to point to CSNOServ (say, <http://localhost:9211/csnoserv/>)

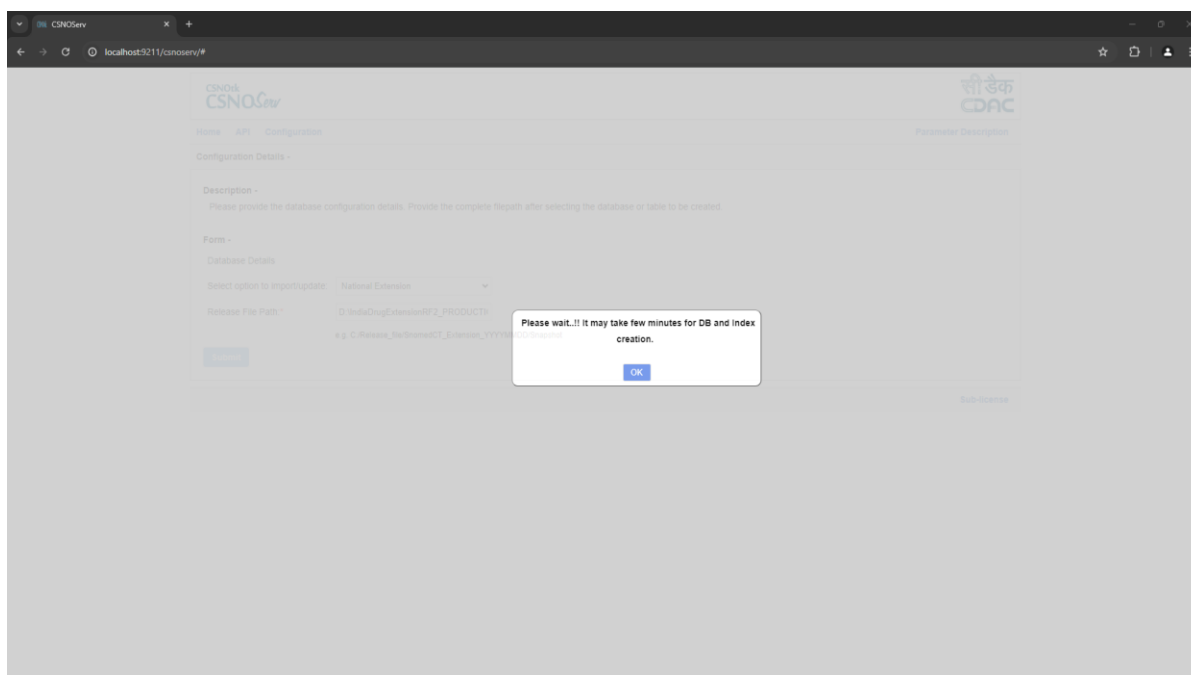


- **Step 2:** Click on Configuration tab. In the Form, choose National Extension from the drop down list and provide the absolute path of the Snapshot folder (of Extension/Refset) in the input box.



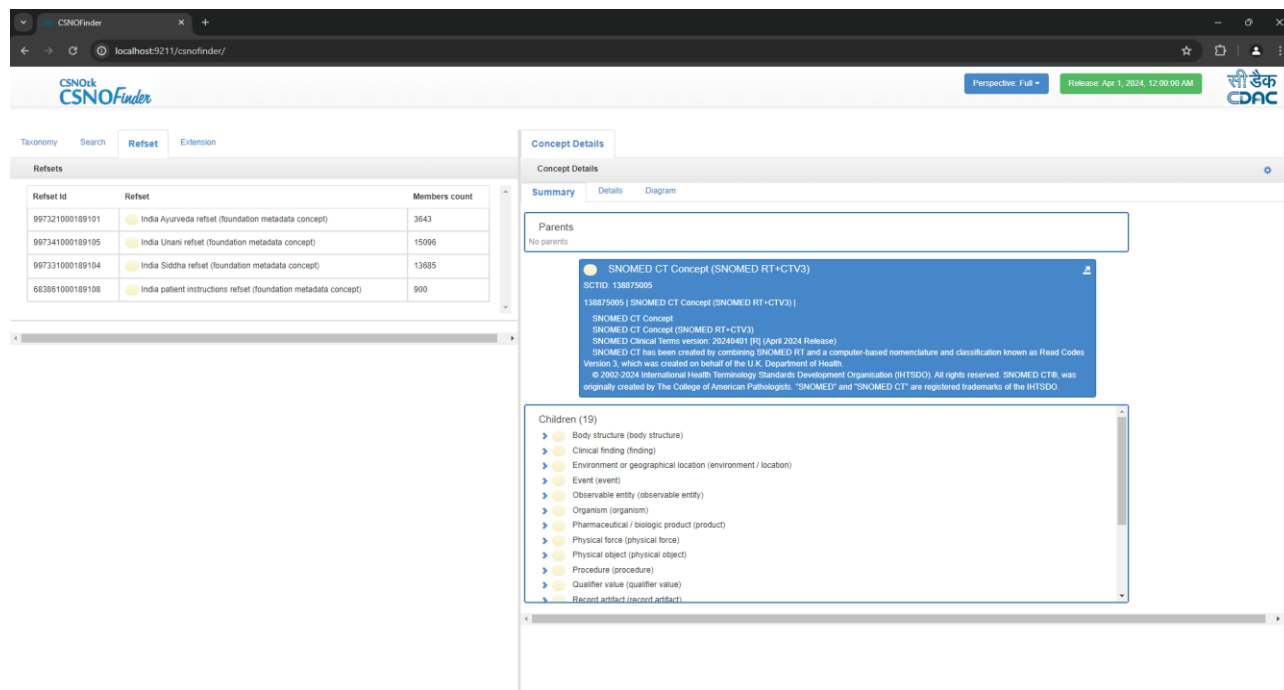
The screenshot shows the CSNOSetv web application interface. The browser address bar indicates the URL is localhost:9211/csnoSetv/#. The page has a header with the CSNOSetv logo and a navigation bar with links for Home, API, and Configuration. The Configuration tab is active. Below the navigation bar, there is a 'Configuration Details' section. It includes a 'Description' field with the text: 'Please provide the database configuration details. Provide the complete filepath after selecting the database or table to be created.' Below this is a 'Form' section. The 'Form' section has a 'Database Details' subsection. It contains a 'Select option to import/update:' dropdown menu with 'National Extension' selected. Below this is a 'Release File Path' input field with the value 'D:\IndiaDrugExtensionRF2_PRODUCTs'. A hint text below the input field reads: 'e.g. C:\Release_file\SnapshotCT_Extension_YYYYMMDD\Snapshot'. At the bottom of the form is a 'Submit' button. In the bottom right corner of the page, there is a 'Sub-license' link.

- **Step 3:** Click on Submit and wait for index creation to complete.

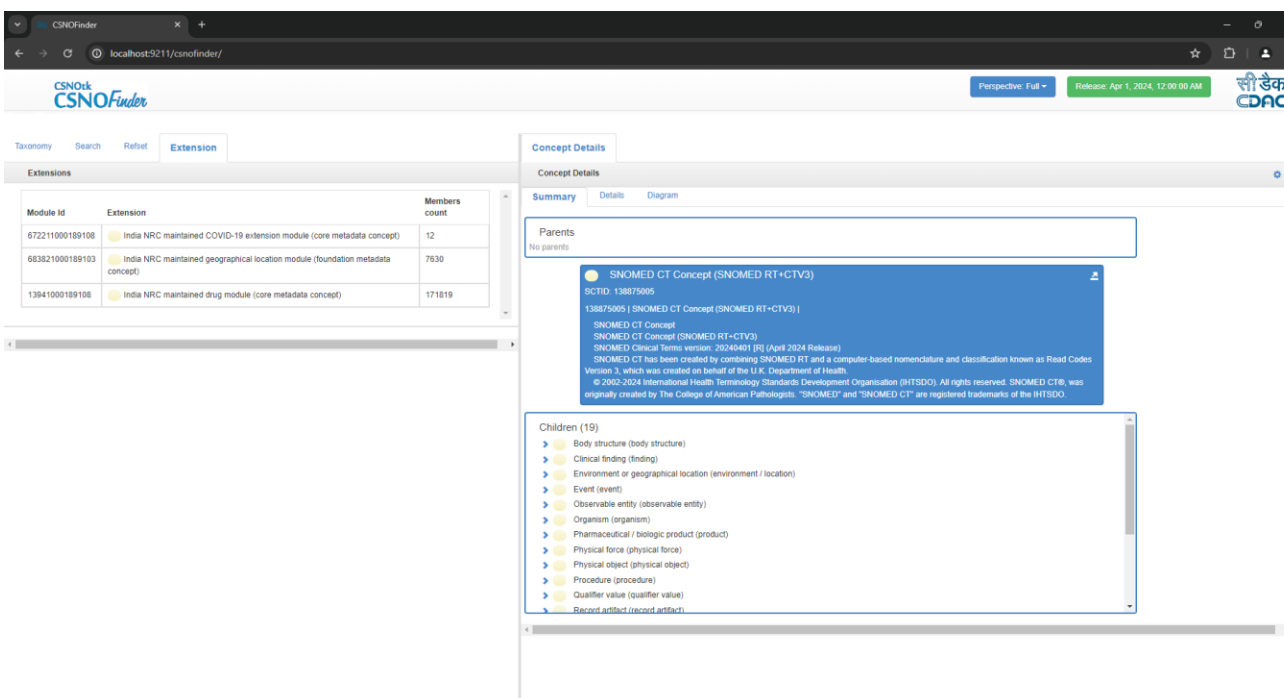


The screenshot shows the same CSNOSetv web application interface as the previous one, but with a modal dialog box displayed in the center. The dialog box contains the text: 'Please wait...!! It may take few minutes for DB and Index creation.' and an 'OK' button. The background of the page is dimmed, indicating that the dialog is the active focus.

- **Step 4:** The next time you start CSNOFinder application, you can see the imported Refset/ Extension in the appropriate section.



Refset Id	Refset	Members count
997321000189101	India Ayurveda refset (foundation metadata concept)	3643
997341000189105	India Unani refset (foundation metadata concept)	15096
997331000189104	India Siddha refset (foundation metadata concept)	13685
683861000189108	India patient instructions refset (foundation metadata concept)	900



Module Id	Extension	Members count
672211000189108	India NRC maintained COVID-19 extension module (core metadata concept)	12
683821000189103	India NRC maintained geographical location module (foundation metadata concept)	7630
13941000189108	India NRC maintained drug module (core metadata concept)	171819

Uninstall CSNOFinder version X.X

When you uninstall, all of the program files are removed from your computer.

- Debian based OS
sudo apt remove csnofinder
- RHEL based OS
sudo yum remove csnofinder
OR
sudo dnf remove csnofinder