

Intrusion detection system using ensemble learning:

1. Fetch the dataset :

- The kDDCup99 dataset can be found [here](#). We have used the complete dataset i.e [kddcup.data.gz](#) - 743M
- The path needs to be set accordingly in the model files - **adaboost.py** and **stacking.py**
- The link [here](#) contains the list of attributes that define a network packet.
- Testing data is separate and can be found [here](#) - i.e [corrected.gz](#).

2. File structure:

- The folder contains 2 other folders - **/models** and **/pickles**
- **/models** contain the two ensemble models that we have used and **/pickles** contains the trained models which need to be just loaded when used.

3. Running the models:

- To run any model run the command \$ **python <filename>.py**