Natlang Code book

Based on a true story

by Ramtin M. Seraj
Spring 2015

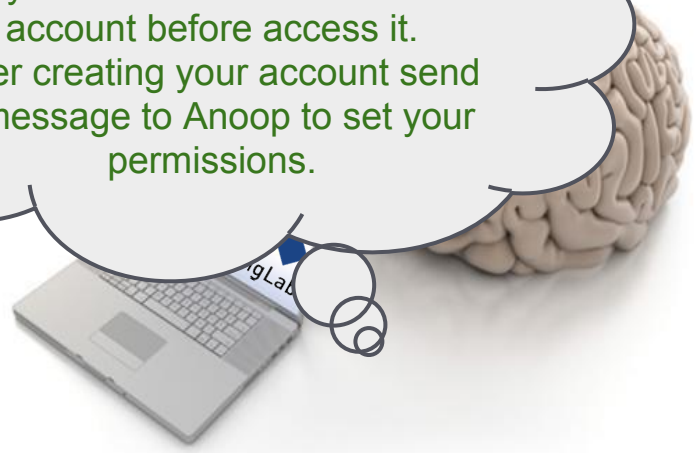
Natural Natural Language Processor

I have many questions in my mind? Who can answer It ?

Right now I am reading all texts available on the internet, I can answer all of your questions.

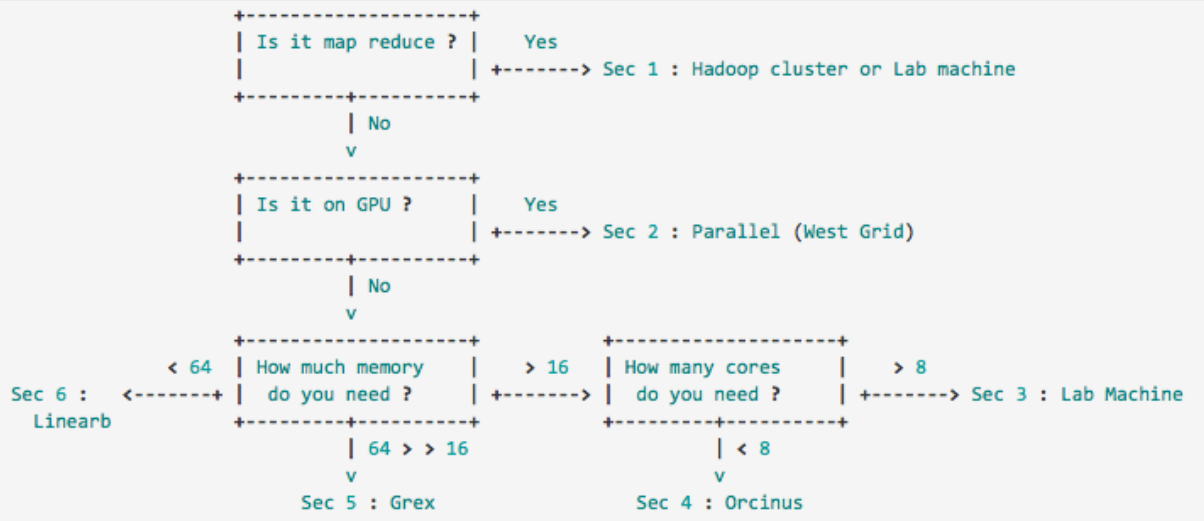
I am new here, Where should I start?

I found a todo list on the web for you.
But you need to have a bitbucket account before access it.
After creating your account send a message to Anoop to set your permissions.



Where should I run my codes ?

How many resources do you need ?

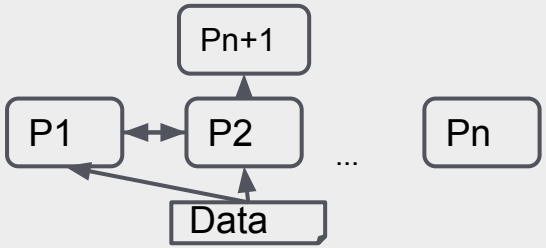


more info : https://bitbucket.org/sfu-natlang/natlang-wiki/wiki/running_jobs

Where should I run my codes ?

Scaling up :

If you want many process in your application to run parallel ->HPC clusters are for you.



Sample codes

HPC

Hadoop

Hadoop is useful when you want to run your similar operation on a huge amount of data independently.

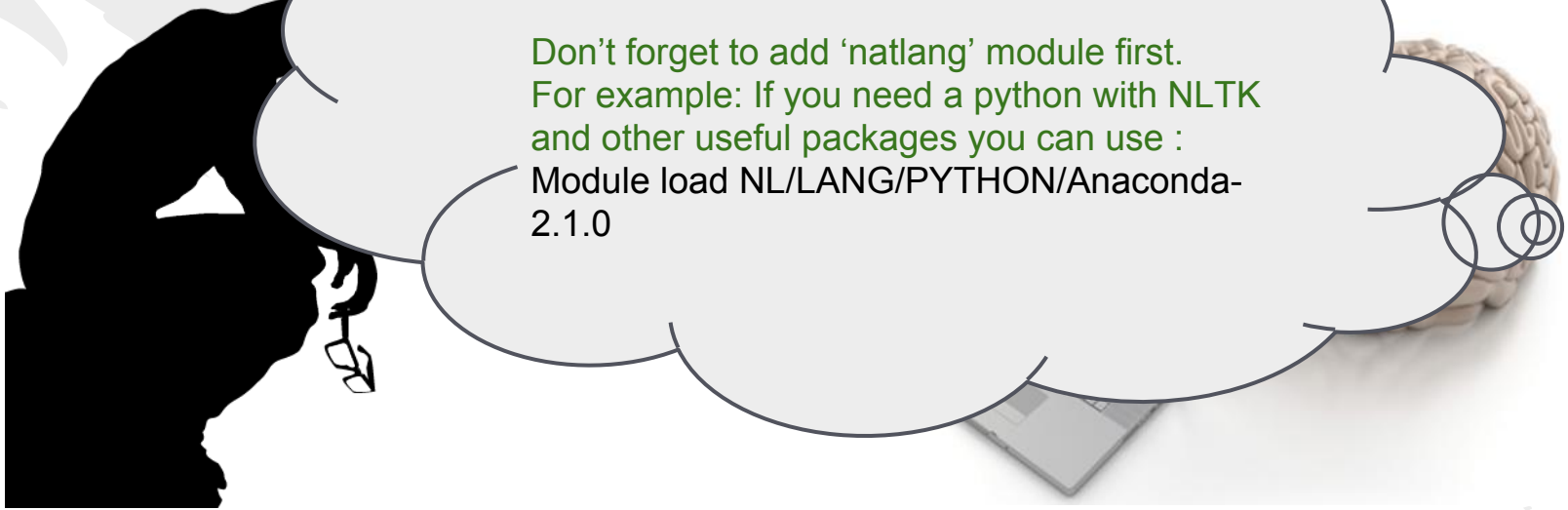
GPU is great for situations that you are doing a certain operation on different inputs. e.g. Operations on matrices.

I want to use a software on my lab machine but I can't install it !

Most of software you might need are available in modules, which means they compiled before for your system and you can add/remove them using 'module load'.
here is the complete tutorial : 'Modules'
If your module is not available, you have two options :

- Ask lab admin
- Install by yourself. → Help

I can’t find the module needed for NLP !



Don’t forget to add ‘natlang’ module first.
For example: If you need a python with NLTK and other useful packages you can use :
Module load NL/LANG/PYTHON/Anaconda-2.1.0

Where to store and find data ?

Data Catalog

Most of our data is in natlang-data,
Highly recommended to use symbolic links to read these data
For MT peoples we have NatlangMatrix

Now I am home, how should I connect to the servers ?

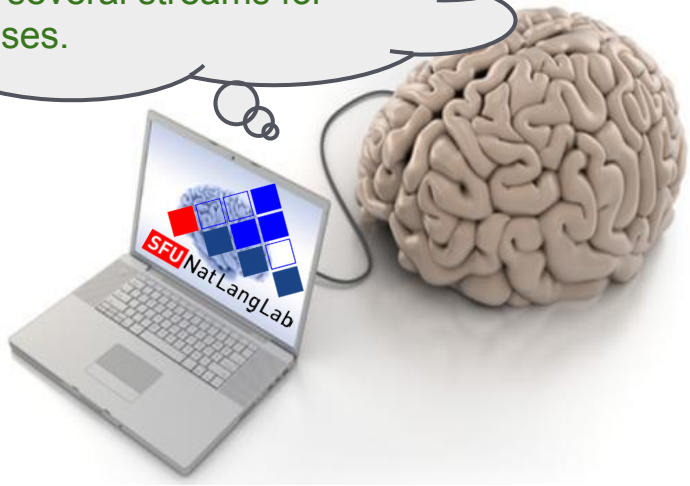
For accessing computers inside university you have to first connect to one of three linux console servers.
see here

Now I have some results, where should I write my papers?

We keep our papers on private repository like Bitbucket.
Our old publications are there which also contain some useful features, you can fork them.

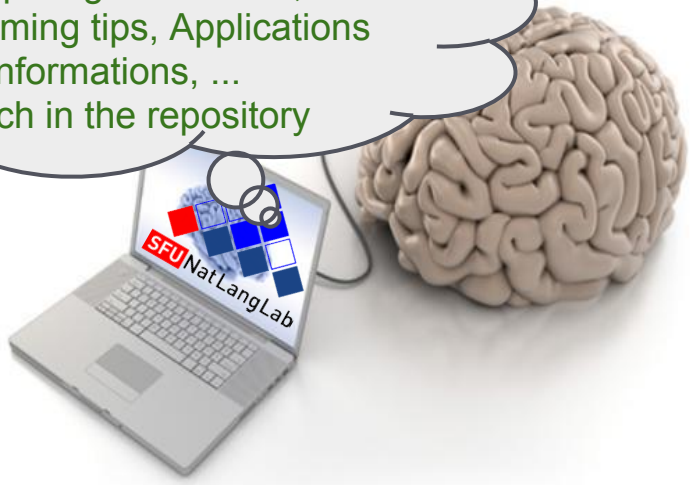
I am feeling alone, I want to talk to people about my research when I am not in the lab?

You can talk to lab members about different topics on Slack. There are several streams for different uses.



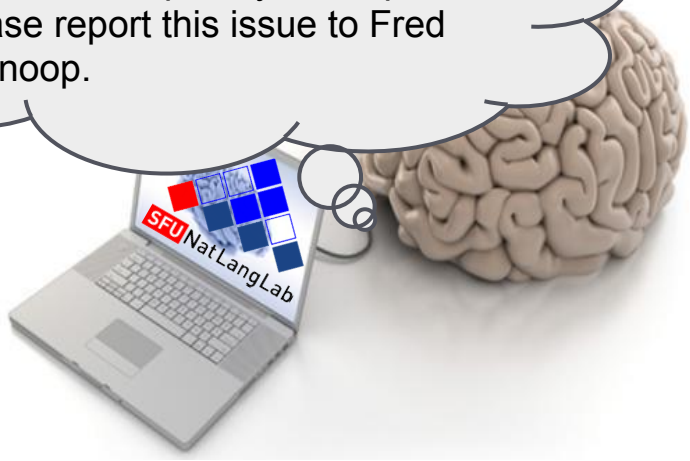
It seems that I am not the only person facing these problems, Is there a more efficient way to find these things ?

Natlang Wiki
includes informations about Computing Resources, Programming tips, Applications informations, ...
Search in the repository



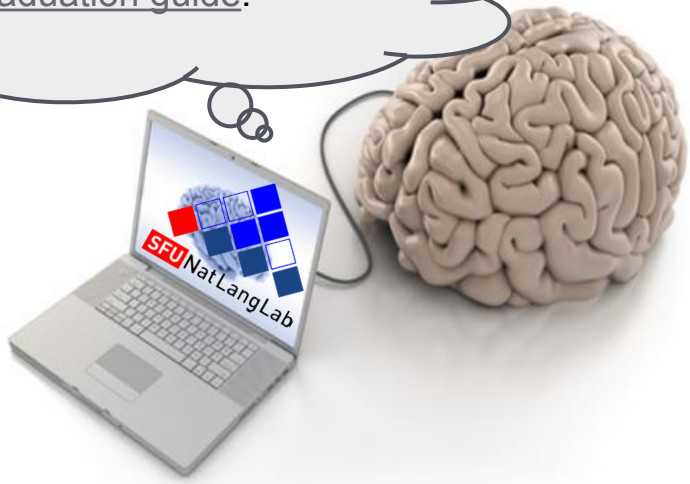
So if you can answer all of my questions, then why I should work any more ?

Server Error : The server encountered an internal error and unable to complete your request. Please report this issue to Fred or Anoop.



I am graduating ...

Wait a minute … are you sure?
graduation guide.



Before you leave , Do you know we have a photo shoot next week !

Any Question

This is one of reasons we are still working …
Most of them are wrong

؟أي سؤال- всеки въпрос?- alguna pregunta?- 任何问题吗？- 任何問題嗎？- nějaké otázky?- nogen spørgsmål?- een vraag?- any question?- küsimusi?- kysyttävää?- n'importe quelle question ?- noch Fragen?-

οποιαδήποτε ερώτηση;- tout kesyon?- יש שאלות?- किसी भी सवाल?- lus nug?- kérdése van?- pertanyaan?- qualsiasi domanda?- 質問ですか？- yu' vay'?-

어떤 질문?- jebkuru jautājumu?- bet klausimas?- apa-apa soalan?-

kull kwistjoni?- spørsmål?- هر گونه سوال?- każde pytanie?- alguma pergunta?- orice întrebare?- любой вопрос?- akékoľvek otázky?- vsa vprašanja?- ¿alguna duda?- någon fråga?- คำถามใด ๆ หรือไม่- herhangi bir soru?- будь-яке питання?- ؟کوئی سوال- bất kỳ câu hỏi?- unrhyw gwestiwn?