

In-Core Team



Confirm you can reach the following URLs

- JIRA: Issue tracking
 - V2 <https://jira.ncsa.illinois.edu/secure/RapidBoard.jspa?rapidView=27&projectKey=INCORE>
 - V1: <https://opensource.ncsa.illinois.edu/jira/projects/ERGO>
- Confluence: Wiki Pages
 - V2: <https://wiki.ncsa.illinois.edu/display/INCORE/IN-CORE+Home>
 - V1: [Home](#)
- Bitbucket: Repositories
 - V2: <https://git.ncsa.illinois.edu/incore/incore>
 - V1: <https://opensource.ncsa.illinois.edu/bitbucket/projects/INCORE1>
- Get access to the Nebula IN-CORE space
- Get a LastPass account and a Yubikey
 - email help+security@ncsa.illinois.edu to request a Yubikey (mainly for version v1)
- Box - IN-CORE folder - make sure you are added to the folder
- <https://uofi.app.box.com/folder/4799476181>
- Make sure you have been added to In-Core slack team: <https://ncsa-at-illinois.slack.com/>



Running In-Core

- Use these instructions to install In-Core and follow some Beta-Testing instructions to get familiar with the system: [In-Core Beta Testing Instructions for Testers](#)
- **Do Not Use this section** - Jong Sung Lee - do we remove this section entirely?
- Note: After installing ERGO and following the instructions in the tutorial, clone the repository for IN-CORE1 (below). To run In-Core (instead of ergo)
 - ERGO: <https://opensource.ncsa.illinois.edu/bitbucket/projects/ERGO>
 - For installing ergo follow the instructions for the developer tutorial in [Old NIST-CORE Training Material](#).
 - IN-CORE: <https://opensource.ncsa.illinois.edu/bitbucket/projects/INCORE1>
 - To Run In-CORE:
 1. Clone the repository above
 2. Import the repository into the same workspace where you have installed/imported Ergo
 3. In project: edu.illinois.ncsa.incure.rcp open file incore.product, click on the Launch an Eclipse application link.
- After launching the ERGO application you will need to get access to a database. (Often referred to as 'dev repository')
 - In the catalog tab (left bottom view). If it is not visible go to Window Show View Catalog.
 - Click on the 'New Repository' button
 - Select WebDAV repository, click Next
 - Fill up the following values:
 - Repository Name: Dev-repository
 - WebDAV repository path: <https://earthquake.ncsa.illinois.edu/dev-repo>
 - Username: *request from IN-CORE team*
 - Password: *request from IN-CORE team*
 - Click next and a new repository should show up in the catalog view.

TUTORIAL

Technology: Recommended Tutorial Links

- IDE: IntelliJ, Webstorm and PyCharm
 - How to use
 - <https://www.pluralsight.com/courses/webstorm-fundamentals>
- [Gradle](#)
- [Jersey](#)
- [MongoDB](#)
 - You can choose to install a MongoDB GUI client, such as [ROBO 3T](#), [Studio 3T](#)
- Javascript tech
 - [React](#)
 - Comprehensive: <http://tylermcginnis.com/reactjs-tutorial-a-comprehensive-guide-to-building-apps-with-react/>
 - Follow Along: <http://buildwithreact.com/tutorial>
 - Basic Overview: <http://blog.andrewray.me/reactjs-for-stupid-people/>
 - <https://app.pluralsight.com/library/courses/react-js-getting-started/table-of-contents>
 - Book: <http://proquest.safaribooksonline.com.proxy2.library.illinois.edu/book/programming/9781491954614>
 - [Redux](#)
 - [Material-UI](#)
- [DataWolf](#)
- <https://opensource.ncsa.illinois.edu/confluence/display/INCORE1/Tutorial+Links>
- After you have completed the tutorials - meet with your team lead to schedule time to meet with a fellow team member when you have questions about using these tools for the first time
 - The first time you check out code, move code to review, commit code schedule time to do this in pair with a fellow team member - this will help to ensure you learn good patterns the first time!
- Python
 - Reading Materials for the Numpy library:
 - [How to use Numpy effectively with example](#)
 - [summary of the idea: How do I move away from the "for-loop" school of thought?](#)



How to setup your Dev Environment

- IDE: IntelliJ
- Vagrant
 - Install Vagrant <https://www.vagrantup.com/>
 - Install VirtualBox <https://www.virtualbox.org/wiki/Downloads>
 - This is used for instead of deploying all services in v2, vagrant connects to the deployed incore2-services.ncsa.illinois.edu machine instead of your local one.
 - To run vagrant you need to have in the same directory the clone of 3 projects from bitbucket.org (version 2 code): analyses, incore, pyincore
 - To run vagrant cd into the incore directory and run `vagrant up`
 - In case you want to run a service locally, you will need to comment out the respective service on the vagrantfile in the incore directory and then do a: `vagrant reload`
- Try Connecting to remote Endpoints: <https://wiki.ncsa.illinois.edu/display/INCORE/API+Review+and+Suggestion?src=contextnavpagetreemode>
- Get a copy of database for local development:
 - use GUI mongoDB client for example studio 3T to make connection to incore2-mongo1.ncsa.illinois.edu
 - also connect to localhost:27017
 - copy datadb, fragilitydb, hazarddb, maestrodbs to your localhost
- Development workflow
 - Branching strategy - <https://www.atlassian.com/git/tutorials/comparing-workflows/gitflow-workflow>
 - How to use Jira, Bitbucket, etc.- See Welcome to ISDA! - [Welcome to the Software Directorate!](#)