

# 2015-07-20 Developer Meeting

## Attendees

- [Unknown User \(mfreemon\)](#)
- [Lengyue Chen](#)
- [Unknown User \(mfelarca\)](#)
- [Lisa Xu](#)
- [Matthew Turk](#)
- [Jeff Terstriep](#)

## Agenda/Notes

- [Unknown User \(mfreemon\)](#) quick review of recent service refresh
  - including: new getting started approach
  - 7/20: reviewed/discussed
    - focus is simplicity – what can we do to lower the barrier to entry for new developers and users
    - defer temporary the use of OpenStack Volumes in favor of docker volumes (simplifies a lot)
    - acceptance/approval of general direction and thinking
- Need decision regarding technical approach for the webapp/webservices
  - quick review of recent thread
  - pros/cons from Mario
  - 7/20: discussion
    - "create environment" works (see next item though)
    - current webservices makes system calls to external python script
      - currently crashes node.js server when script error occurs
    - current approach fragile – must move away from this
    - no active development occurring on web UI (nds-explorer) because UI being generated by tooling inside the nds-webservices repo
      - we want to move away from this – web UI should be separated from web services implementation
    - key questions are:
      - keep the current script AND the web services implementation?
        - Yes – web services becomes the primary support mechanism – the script is more as-time-permits intended for power users
      - build and parse the HTTP directly (programmatically) for the OpenStack REST calls
        - No – we prefer to use an language-specific API for building/making the OpenStack calls (e.g. python-novaclient)
      - Implementation of the backend web services (internal to the NDS Labs Environment)
        - This will be Python/Django (i.e. nds-django)
      - Implementation of the NDS web services (that interfaces to OpenStack)
        - Python/Django or MEAN stack?
        - [Unknown User \(mfelarca\)](#) will email to the list the node.js library OpenStack API that has been proposed to be used by the current js code
        - [Unknown User \(mfelarca\)](#) / [Lengyue Chen](#) will switch the current nds-webservices to use that library
        - Decision on Wed 7/22
- **NDS-25** - Implementation of the Web Service API ([blocked URL](#) Open)
  - 7/6: created
  - 7/7: updates in JIRA ticket
  - 7/8: general discussion, based on comments in ticket
    - post-meeting – resolved issue with network connectivity from Zeo's Ubuntu workstation.
  - 7/10: "create ndslabs" functionality is working
    - Not yet pushed to the repo – problem with the code repository on the ubuntu workstation
    - [Mario Felarca](#) and [Lengyue Chen](#) will resolve local repo issue and commit/push to bitbucket
  - 7/13: will push to repo today
- [blocked URL](#) NDS-2 - Website Frontend ([blocked URL](#) Open)
  - Goals for next week (week of 6/29-7/2) are
    - first two pieces of functionality working end-to-end – from browser to explorer to web service to backend systems (openstack)
      - list environments
      - create environment
  - 7/6: In progress
  - 7/7: In progress
  - 7/8: [Mario Felarca](#) updating the code to conform to the new REST APIs
  - 7/10: In progress
  - 7/13: will have end-to-end for the "create labs" functionality working by Wed 7/15

## Future Agenda Topics

- [Jeff Terstriep](#) suggests a discussion of role of VMs and docker as a future topic
- follow up with [Ian Taylor](#) regarding specific technical discussions regarding container management
  - the primary question is whether to continue to use the existing ywebapp/ythubworkers or switch to the django-based implementation.

- goals is for that discussion to happen by wed or fri next week (7/22 or 7/24)

## Coordinates

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