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 by 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 URLNDS-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 brower 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 ytwebapp/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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