Stick note 1:

1) Django app running (8080)

Check running or not?

python3 -m django --version (for checking version)

2) Testing packages for Django -unittest

How to install and test with examples

<https://realpython.com/testing-in-django-part-1-best-practices-and-examples/#types-of-tests>

3)Installation and how to execute the testing commands

<https://gist.github.com/hezhao/d48ddc37579c25f46408>

Point to remember: Don't run containers

Openstack environment access /Can I test the application in local system - Openstack access is under decision pending, we are planning to use Amazon instead

What are the DB we are using to run this app

DB requirement we didnt get it, but incase if we need it in the future we are planning to use Django which has some ways to connect.

Links used:

1 <http://michal.karzynski.pl/blog/2013/06/09/django-nginx-gunicorn-virtualenv-supervisor/> (Django: Setting up Django with Nginx, Gunicorn, virtualenv, supervisor and PostgreSQL)

<https://docs.python.org/2/library/unittest.html>

Django execution, URL, refister page creation, data saving and transfer and

Unit test cases writing...

04/08/2019:

Git integration / export JSON format:

<https://gist.github.com/robwierzbowski/5430952> <https://github.com/benhoyt/pygit/blob/master/pygit.py> <https://stackoverflow.com/questions/50071841/how-to-push-local-files-to-github-using-python-or-post-a-commit-via-python> <https://stackoverflow.com/questions/38594717/how-do-i-push-new-files-to-github>

<https://gitpython.readthedocs.io/en/stable/tutorial.html>

<https://streamsets.com/blog/getting-started-streamsets-control-hub-videos/> -- Important   
[https://streamsets.com/documentation/datacollector/latest/help/datacollector/UserGuide/Pipeline\_Configuration/RuntimeValues.html#concept\_rjh\_ntz\_qr](https://streamsets.com/documentation/datacollector/latest/help/datacollector/UserGuide/Pipeline_Configuration/RuntimeValues.html) \*\*\*

Stick note 2:

1 Environment / Infrastucture Information (OS- Redhat, DB - SQL, Development tools)

2 Respository Information

3 Development Stack - web app, Testing Stack Information -streamsets for pipelines

4 Deployment, Release Information (P in Confluence)

5 DevOps Tools Information (Streamsets,Git, Jenkins,Docker, AWS (ECS, S3) )

6 Automation for Infra / Integration / Delivery (Jenkins - integration build will take from GIT /Docker - containers want to use for )

7 Automation for Scaling / Testing No op test (Jenkins), depending on data scientists

8 Development Patterns Information - Groovy, we are trying to bring devOps as a part of it

9 Devleopment Methods: ( Agile ) & Sprint Lifecycle Information

10 Bug Tracking / Project Management Information- we defined thing what we gonna do , back tasks

11 Architecture / Documentation

12 Infrastructure Templates (Existing / New) - containers, spinning up VM's

13 Server, Operating System, Application Stack version / Configurations

14 Monitoring Tools Information - we need for streamsets, nothing still now

15 Security / Logging tools Information - Prometheus

16 Databases used, Data Integration tools

**ANALYTIC PLATFORM TOOLS**

Infrastructure : Openshift, AWS

Data Ingestions:

Source Capture: Stream - Kafka, CDC - Attunity, Batch - Streamsets

Data Exchange: AWS (S3), Docker, ASG

Orchestration/Automation: Ansible, Jenkins

Engineer Tools: MobaXTerm

Analyst Toolset: Alteryx, R, Python, HUE, DataIku

Git: C:\Users\u107344\AppData\Local\Programs\Git

Task 1: How to create git repo using python

Task 2: web app

<https://streamsets.com/documentation/controlhub/3.9.0/onpremhelp/controlhub/UserGuide/WhatsNew/WhatsNew_title.html>

<https://stackoverflow.com/questions/49458329/create-clone-and-push-to-github-repo-using-pygithub-and-pygit2>

Stick note 3:

Skype:

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Audio conferencing PIN: 30522

ID: u107344

Confluence:

DnA SDM Platform Engineering

Teradata:

LANID

Changeme@123

Dev Control hub: <http://10.149.13.125:18631>

u#@admin

PW: LAN PW

Can also use: admin@admin/DataBigApe19

PreProd:

<http://10.197.2.50:18631>

[u#@bcbsnc.com](mailto:u)

PW: LAN PW

Can also use: admin@admin/admin@admin

Bookmarks:

<http://intraweb.bcbsnc.com/ssd_tag/index.html> - IT service Desk

<https://wiki.bcbsnc.com/#all-updates> – Confluence Page

<https://wiki.bcbsnc.com/display/DSPE/DnA+SDM+Platform+Enginering> – Confluence page2 \*

<http://10.197.2.50:18631/security/login?ss-requestedUrl=http:%2F%2F10.197.2.50:18631%2Fsch%2FdashboardApp> – Streamsets

User : admin@admin, P: admin@admin

<https://jira.bcbsnc.com/secure/RapidBoard.jspa?rapidView=412&view=planning.nodetail&selectedIssue=DPE-7&versions=visible> – Jira

[https://us-east-2.console.aws.amazon.com/console/home?region=us-east-2#](https://us-east-2.console.aws.amazon.com/console/home?region=us-east-2) - AWS management console

<https://identity.idp.tableau.com/login?state=g6Fo2SBtNUc4WjgwaUdrbXpzQzU3cWVWSUpCdkpOaWtEX2laQ6N0aWTZMmdhRm8yU0JqYldsdU0wTTBURzUxZUd0bE5IVlFVMUpaU1U5b1QzYzVZVTh5TVcxV2FBo2NpZNkgU3AzRFBQR3Rmc0VVTzRmSUFsQjFadVJDeWJ1S3pqSVY&client=Sp3DPPGtfsEUO4fIAlB1ZuRCybuKzjIV&protocol=samlp> – Tableau