Project11

1- Basics concepts

a- What is a DevOps? DevOps is simply a culture or (a way of doing things) adopted by companies such that “bureaucratic, bottle-neck, and time-consuming procedures” are eliminated, and the SW developers and SW operators now fall under one department. Developers now test-run their products as they proceed in production. This culture enhances speed, productivity, efficiency, and even maintain a better grip over customers.

DevOps actually stands for “developers/operations put together”. It is a culture or way is working, brought forth by SW manufacturers such that, SW developers code SWs, run the test of these SWs themselves, so as to enhance immediate corrections when necessary. This way, we then have the developers and the operations department, becoming one single department. For a good definition, httpinclude: - developers, business operations, automation, communication, rapidity, etc.

b- What is GIT? GIT is a SW hosted by the internet, that helps to enhance collaboration among team member who are geared on the same project. It stores and manages information about participants, as well as their participations. It is close to cloud computing because you need no hard drive or flash drive to carry your files with.

c- what is the difference between git ans svn?

d- what continious integration? Continuous intergration ( CI ) is when the work of developers is being updated to the shared main line of production on constant basis. Say daily or more frequent.

e- what is continuous delivery? This is an approach whereby a team of SW engineers made output in short cycles (quick release).

f- what is scrum? Scrum is a managerial approach that reiterate on teamwork, accountability, and geared towards well-defined goals.

g- What is agile methodology? This is simply the path through which a well-structured DevOps approach do follow from developer to output/finishing.

h- what release calender ? Group of dates that different objectives will be attained, including release date.

i- what is release date? Date that a product is released.

2- give 4 raisons why companies should consider the DevOps method. 1) Automation,

2) standardization, 3) good grip over customers, and 4) speedy output.

3- what are some automation tools used in the DevOps environment? Agile, Paas, Saas, Ancible, GtHub etc.

4- why is it important to build the software in the test regions before delevering it to production? This will reduce the rate of re-calls or rollbacks, which is bad for the future of clientele.

5- create a project in your github repository called project4 and in project 4 , create a file called project11 see www.github.com

6- copy your homework11 answers into the file project11 and commit it.

7- What is the url to access your github project11 file? https://github.com/danielsfeh/project4