CST8248 – Emerging Technologies

# Assignment 3 – Project Status Assessment 1

P**urpose**:

Keeping track of project objectives, outcomes, deliverable and quality should all be tracked regularly. If a project is not on track for any reason, early recognition and action is necessary to ensure that a quality deliverable is made.

**Objectives:**

Reflect upon your progress toward your end goal thus far. Describe in a short document the following items.

* Which project elements are on track ?

The project is going with the steady pace as our team is learning and testing all the required services related to objectives. In the beginning, we were struggling on where to start for the project. But after discussion with the professor, we have successfully deployed two virtual machine, one tasked for deploying DNS and one Linux server for the http web server. For the DNS server, we have configured a domain controller in another separate windows server. So basically, we are making sure for the complete network connectivity in the first phase of our project deployment.

* Which elements are ahead of schedule and by how much? To what have you reallocated this time?

As I have described in the first question all of the elements, we have configured are ahead of there schedule timeline. We have managed to complete these task by one week ahead of schedule . However, we are behind to configure two vSphare host on our platform. Also, we have to arrange some more time to configure iSCSI initiator and iSCSI target.

* Which elements are behind schedule and by how much?

After configuring iSCSI, the next service we are going to deploy is Veeam backup server and our file server.But, we haven’t configure iSCSI yet. So, our Veeam service is going to be delayed by one week.

* Identify the root cause of the delay. Is there a way to prevent these delays in the future.

For the configuration of a backup server with the cloud, we need to know how to use it first. We want to deploy our file server first and to manage it afterward we will deploy one backup sever running with Veeam. So, we can say, our lack of expertise on the service of backup is the root cause of the deploy. We will get enough information and procedures to configure it and manage it before deploying.

* For each item behind schedule detail a strategy to get back on track.

The items which we need take back on track are Veeam backup server, File server, Spicework(We have planned to deploy it at the end.). We are behind only one week for these services. For these services, we still need to understand how we will deploy it on our project. And to do that we have came to an arrangement that we will find information together about the services and how to deploy that from online sources and then after understanding how they work, we will assign these services to complete individually by the new deadline given in modified time plan.

* Update your project plan and include it with these reflections. Indicate where changes have been made.

In the project plan given here, highlighted services are showing that the new modification are made on their deadline in the table.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Services** | **Team Member** | **Start Date** | **End Date** | **Status** |
| Project Initialization | All | 02-Oct | 03-Oct | **Complete** |
| Active Directory | Nikhil | 10-Oct | 10-Oct | **Complete** |
| HTTP/HTTPS | Nikhil | 15-Oct | 18-Oct | Complete |
| **iSCSI** | Ridham | 18-Oct | 01-Nov | Not complete |
| **File Server** | NIkhil | 19-Oct | 05-Nov | Not complete |
| **Veeam** | Ridham | 25-Oct | 07-Nov | Not complete |
| **Spiceworks** | Ridham | 02-Nov | 07-Nov | Not complete |
| **WAC** | Nikhil | 03-Nov | 17-Nov | Not complete |

* Reflect upon your communications plan. Was it adequate thus far? Detail any changes you have made?

All our team members have been very punctual and dedicated to the project timeline till now. We have successfully arranged three zoom meeting for the project planning where we discussed about creating active directory with the domain controller, how to deploy DNS and creating and managing a file server for our domain. Furthermore, using the zoom tool for arranging meeting has shown us some good advantages for deploying our platform as we can easily share our work with each other and find any problem in it. Luckily we haven’t found or made any changes to our meeting schedule as everybody were attending the meeting on schedule time.

* Examine your hardware plan. Is the hardware allocated to each virtual machine appropriate? Take this opportunity to right-size your virtual machines.

The main problem we got after deploying a virtual machine was low allocated memory. We only gave 2 GB of RAM for one Linux machine which lead to slow the virtual machine. So we allocated two more GB of RAM in machine.

Although, other allocated hardware for our project are right for the project.

* Examine your network plan. Is your network plan adequate?

Yes, after assigning the IP address given in our network plan to the virtual machines configured till now, we successfully got the network connectivity. So, we can say our network plan is adequate for the project.

* Update your test plan for any completed services or features. Include your updated test plan in this document.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Source** | **Destination** | **Service** | **Test command** | **Comment** | **Test Date** |
| Win Client | Win File Server | SMB | Not testedd | Check Firewall, service status, permissions, server/share name, DNS | 10/16/2020 |
| iSCSI Initiator | iSCSI Target | iSCSI | Not tested |  | 10/25/2020 |
| Windows client | VM2- dns server | DNS | nslookup | Check for the name resolution for the dns server | 10/10/2020 |
| Linux Client | VM1-web server | HTTP | Telent GET | Ater connecting to the server with telnet, we can GET the webpage displayed for the server. | 10/28/2020 |
| Windows client | VM5-Backup server | veeam | Not tested |  | 10/28/2020 |
| VM4-Windows Server | VM2-Windows server | spicework | Not tested |  | 10/28/2020 |

* Are there any potential hurdles that your team can foresee at this point in the project?

There is only one potential problem we might find with our project and it might be configuring the public cloud services. This is because we have allotted our all time to work with the private cloud deployment and we have to learn form the beginning for the public clod after finishing the private cloud configuration.