DeeNice Assignment 3

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Updates to planning

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Which project elements are on track?

The project elements that are on track include the following:

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| --- | --- | --- |
| Configure a Jump Server and ensure that it is loaded with appropriate management tools | 28/Sep | 2/Oct |
| Deploy 2 vSphere hosts | 28/Sep | 3/Oct |
| Ensure that the vSphere hosts can connect over the management network | 28/Sep | 4/Oct |
| Deploy the following services on the platform(s) of your choice following best practices: | 2/Oct | 2/Oct |
| HTTP | 2/Oct | 8/Oct |
| DNS | 2/Oct | 8/Oct |
| Active Directory (not LDAP) | 4/Oct | 8/Oct |
| File Server (SMB, NFS, or other) | 6/Oct | 8/Oct |

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

Although none of our elements are ahead of schedule, we have created VMs and installing the specific service but have not configured them yet. We are waiting for classes on these topics before we finalize our configurations. We want to ensure that our configurations align with security compliance and with client expectations.

Which elements are behind schedule and by how much?

A few of our items are behind schedule (you can see below). A few of them are partially started, but not completed (ie we have set up the server and installed the task, but have not configured it). The task delays vary from a few weeks to a few days behind.

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| --- | --- | --- |
| **Task** | **Start** | **End** |
| iSCSI Target | 2/Oct | 8/Oct |
| iSCSi initiator (this needs to be a separate platform from vSphere) | 2/Oct | 10/Oct |
| iSCSI - CHAP (Challenge Handshake Authentication Protocol) - Value add | 2/Oct | 12/Oct |
| Veeam Community Edition (Enterprise Backup) | 26/Oct | 11/Oct |
| Spiceworks or similar inventory management system | 4/Oct | 30/Oct |
| Windows Admin Center (WAC) (Requires Microsoft Server 2019) | 2/Oct | 8/Oct |
| Connect WAC to your Domain using domain admin credentials | 2/Oct | 8/Oct |
| Collect inventory information using WAC and Spiceworks | 2/Oct | 8/Oct |
| Connect your Veeam Server to vcsa.et.lab using your ET domain credentials | 9/Oct | 11/Oct |
| vSphere nodes should have separate/dedicated iSCSI LUNS. | 2/Oct | 12/Oct |
| Ensure network connectivity to all devices | 19/Oct | 24/Oct |
| Ensure that devices have service connectivity | 19/Oct | 24/Oct |
| Client Machines should have access to the file shares | 9/Oct | 11/Oct |
| Backup your Web server. | 9/Oct | 11/Oct |
| Create at least 1 Administrator account and 1 client account | 28/Sep | 2/Oct |

|  |  |  |
| --- | --- | --- |
| **Task** | **Start** | **End** |
| Connect to the Azure interface. (portal.azure.com) | 2-Oct-20 | 9-Oct-20 |
| Establish Governance in public cloud | 2-Oct-20 | 9-Oct-20 |
| Policies | 2-Oct-20 | 9-Oct-20 |
| RBAC | 2-Oct-20 | 9-Oct-20 |
| Deploy a VM in Azure running PostGre SQL | 2-Oct-20 | 9-Oct-20 |

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

Part of the delay was waiting for the class assignments and not starting soon enough. We were very ambitious with our dates and should have set more realistic expectations. To prevent these delays in the future, one strategy would be for us to re-do the timelines so that rather than having it organized by task, we could have it organized by individual. Just a note that although these are not completed, the VMs have been created and applications have been installed.

For each item behind schedule detail a strategy to get back on track. Update your project plan and include it with these reflections. Indicate where changes have been made.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task** | **Start** | **End** | **New end date** | **Strategy** |
| Active Directory (not LDAP) | 4/Oct | 8/Oct | 16/Oct | Active Directory was delayed due to a problem with the vSphere web app. Once that issue was resolved, DCs were created and Active Directory was enabled |
| iSCSI Target | 2/Oct | 8/Oct | 12/Nov | This server has been created and initiated, however, it has not been configured, as I am waiting for the class that Denis will teach on iSCSI. |
| iSCSi initiator (this needs to be a separate platform from vSphere) | 2/Oct | 10/Oct | 12/Nov | This server has been created and initiated, however, it has not been configured, as I am waiting for the class that Denis will teach on iSCSI. |
| iSCSI - CHAP (Challenge Handshake Authentication Protocol) - Value add | 2/Oct | 12/Oct | 13/Nov | After creating the initial ISCSI, we will build on the other two servers and create the CHAP (value add). |
| Veeam Community Edition (Enterprise Backup) | 26/Oct | 11/Nov | 13/Nov | (Alex) I have not had time to fully research the requirements and installation process. |
| Spiceworks or similar inventory management system | 4/Oct | 30/Oct | 15/Nov | Will finish configuration once the iSCSI is fulfilled |
| Connect WAC to your Domain using domain admin credentials | 2/Oct | 8/Oct | 5/Nov | Waiting to configure WAC. |
| Collect inventory information using WAC and Spiceworks | 2/Oct | 8/Oct | 17/Nov | Pending configuration of WAC and Spiceworks |
| Connect your Veeam Server to vcsa.et.lab using your ET domain credentials | 9/Oct | 11/Oct | 8/Nov | Veeam needs to be completed. |
| Backup your Web server. | 9/Oct | 11/Oct | 17/Nov | This task will be completed when other applications are completed. |
| Client Machines should have access to the file shares | 9/Oct | 11/Oct | 18/Nov | (Alex) this task has just been transferred to me. Should be completed over the weekend. |
| vSphere nodes should have separate/dedicated iSCSI LUNS. | 2/Oct | 12/Oct | 3/Nov | Create this after the ISCSI servers have been set up. |
| Deploy 2 Client Machines. 1 Linux and 1 Windows | 28/Sep | 2/Oct | 4/Nov | Set a more realistic date to create the two client machines once the other servers are set up. |
| Create at least 1 Administrator account and 1 client account | 28/Sep | 2/Oct | 5/Nov | This can be done quickly. Should be able to be created within one day. It cannot be done until the 2 client machines are completed. |
| Ensure network connectivity to all devices | 19/Oct | 24/Oct | 20/Nov | This date was very ambitious as we needed to have all servers set up before we could test this. We will wait until all servers have been set up before we can check for the connectivity. |
| Ensure that devices have service connectivity | 19/Oct | 24/Oct | 20/Nov | This date was very ambitious as we needed to have all servers set up before we could test this. We will wait until all servers have been set up before we can check for the connectivity. |
| Use Power CLI to determine the status of machines within your vAppPublic Cloud: | 19/Oct | 24/Oct | 7/Nov | We have not configured any cloud yet. |

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

Our communications plan has been adequate so far. We have had weekly check in meetings, which take us between 10 minutes to an hour depending on how many items we need to discuss. At these meetings we have discussed the status of items and what needs to be completed. One change that we have made is changing the weekly meetings to as needed meetings, depending on what items need to be completed and when we need to have our items done by. Rather than having our meetings on Tuesdays, we sometimes meet when others are free.

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

We have been given a significant amount of storage space which should suffice for the machine we are making. We have noticed while creating the machines that we have been under resourcing some of the servers (for example, the DC1 only had 1 CPU core, so we plan on expanding it by giving it two cores).

Examine your network plan. Is your network plan adequate?

Yes. The network plan up to this point has worked to help guide us on with what IPs need to be assigned to which machine and have helped us envision what the environment will look like.

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

We have not yet completed any testing, mainly because we have not yet deployed user devices. Moving forwards, we will have to increase our focus on testing. As well as dedicate time to complete our testing backlog.

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

* Network connectivity may be a potential hurdle when we are working on the system. With 3 team members, sometimes things may be changed by accident.
* Troubleshooting may be a potential hurdle. If anything is configured incorrectly, we may have to do a lot of troubleshooting, which may take time away from our other tasks.
* Getting help when needed may be another hurdle. Islam or Denis may not have time to help troubleshoot or explain anything that may go wrong with the items.
* Timing and workload may be the biggest hurdle. With the project reaching the start of December, this is when other projects may also be due, as well as exams starting. It may become harder for our teammates to allocate time to the project.
* Waiting on classes to explain services may not be reasonable. If we are to complete all services on time, we will have to begin the research and process independently.