Case Study 1 The Yellowbox Enterprise Mail System Winter 2017

**Establishing an Exchange Server 2013 Organization**

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“Yellowbox Studios” is a rapidly growing audio recording and production company based in Singapore. You are a new member of the network administration team for a new office of Yellowbox in Doha, Qatar. Your boss has put you in charge of installing and configuring a Messaging System so that the many audio engineers and producers can communicate with their customers and share audio samples for their projects.

**The facts:**

* The Yellowbox head office is located in Singapore. It has 100 employees and it has three separate sound studios in different parts of the city. The new Yellowbox studio in Doha will only have 80 employees, and they expect to grow 10% annually. It is a relatively small enterprise.
* Yellowbox is currently running four servers for the yellowbox.com.sg domain. They are located at the head office.
  + A dedicated domain controller using Windows Server 2003 that includes the DNS server role for the organization in the AD forest.
  + A Microsoft 2012 R2 Server in the AD forest that also acts as a web server.
  + A Microsoft Exchange 2013 Server in the AD forest with MB and the Client Access Server role installed, using Microsoft 2012 R2 Server.
  + An MS Exchange 2010 Edge Transport Server using Windows Server 2008 R2.
* The Yellowbox domain controller currently has over 400 users and the company has customers from Singapore, China, India, U.A.E, Qatar and the UK.
* Your manager wants a locally administered system for Doha users and clients (new Exchange server, local Administrators) but Qatar will receive and route messages for users in the yellowbox.com.sg.
* Your Domain Controller will use the **CA2017-\*\*-xx.local** and other servers will be part of that domain. Where **\*\*** is your section number and **xx** is your computer number.
* Your network will have a firewall separating your Active Directory forest from a DMZ.

Projects must be submitted in Word and submitted by course D2L Dropbox , Backup of Case VDI (**case1-w17-disk1**) must be on QA-Storage-01 in your backup directory by the due date.

The administrator password for the Windows Server is **12p@ssword34!!**

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| Question | Task | Requirement | Grade | Mark |
| Q1 | Create a virtual machine to use the  **Case1-w17-disk1**  **This virtual machine will be used to install the Exchange 2013 R2 software** | Screen Shot |  | /5 |
| Q2 | Change the name to EX2017-\*\*-## where \*\* is the section number **01 or 02** and ## is the number of your computer. | Screen Shot |  | /5 |
| Q3 | **Install Active Directory**  -Your new domain will be called   **CA2017-\*\*-xx.local**  Where **\*\*** is your section number and **xx** is your computer number. | Screen Shot |  | /10 |
| Q4 | **Install Exchange 2013 R2**  Ie. FQDN EX2017-01-16.CA2017-01-16.LOCAL | Screen Shot |  | /10 |
| Q5 | Add the following mailbox , archive enabled Users   1. Al Obaidli,Mohammed 2. Al-Khuzaei, Abbas 3. Al-Mohannadi,Khalifa 4. Fares,Amr 5. Iqbal, Sarah 6. Al Baker, Maryam | Screen Shot |  | /5 |
| Q6 | Add to Finance Group (Obaidli,Mohammed,  Al-Khuzaei, Abbas, Al-Mohannadi,Khalifa)  Add to Wan Admin Group (Fares,Amr, Iqbal, Sarah,  Al Baker, Maryam) | Screen Shot |  | /5 |
| Q7 | Send Hello and Welcome email to all users from the Administrator. Ensure they are delivered. | Screen Shot |  | /10 |
| Q8 | Create public Folder for Wan Admin, Finance Group. Give users appropriate permissions. First member of Group (all right except owner). All other member can read. Add text file to each public folder. | Screen Shot |  | /10 |
| Q9. | Show Baseline info for server (5 measures) | Screen Shot |  | /10 |
| Q10 | Show running of EMS cmdlets that show health of exchange (5 cmdlets) | Screen Shot |  | /15 |
| Q11. | Backup your Exchange Server VDI to QA-Storage-01 in your Backup Directory | Screen Shot |  | /15 |
| Notes |  |  |  | /100 |