ITSA1001: Server Administration Fundamentals

WEEK 5 PRACTICAL: WINDOWS FILE AND STORAGE SERVICES

Dr. Vinh Bui



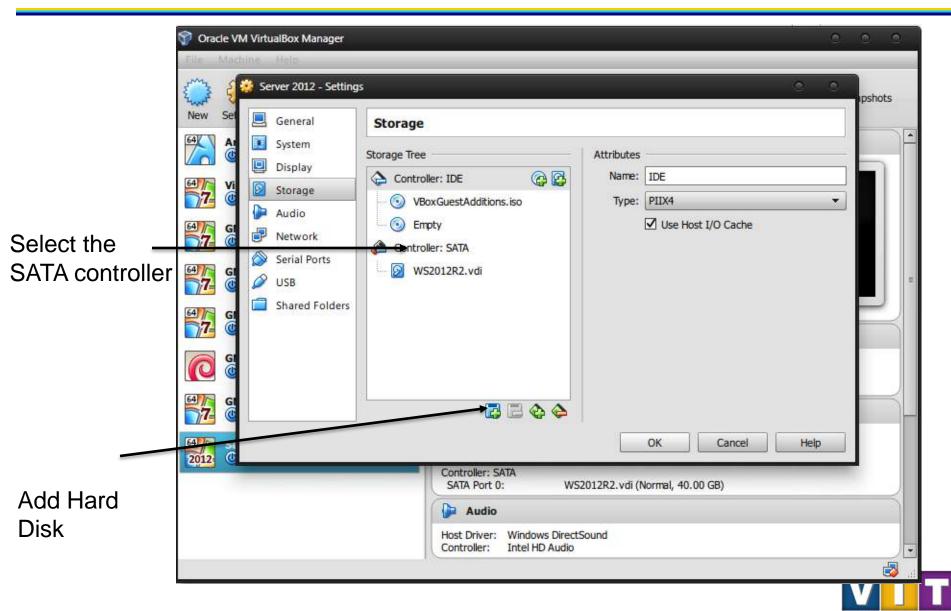
What will be covered

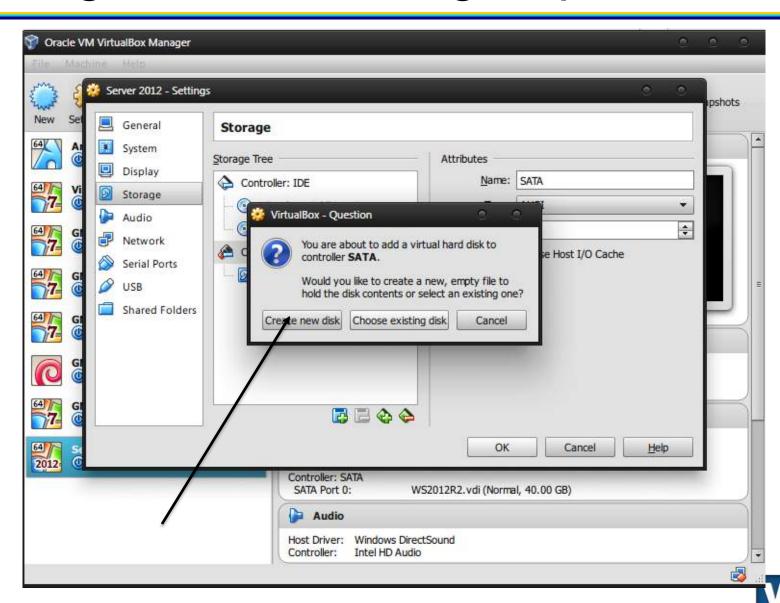
- Installation and configuration of
 - Storage pool and storage space
 - Data de-duplication
 - File sharing
 - Distributed File System



- Step overview:
 - Create 4 virtual HDD, 5gb each
 - Combine them to create the storage pool
 - Create the storage space

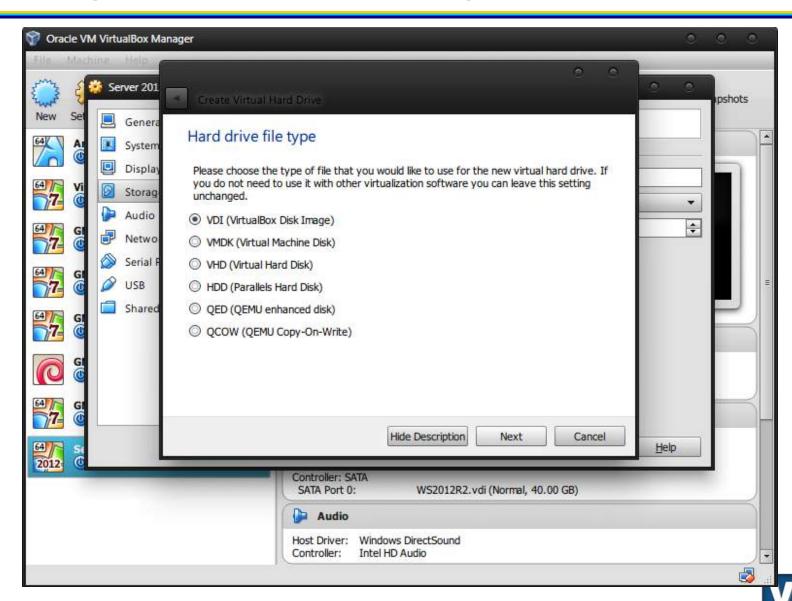


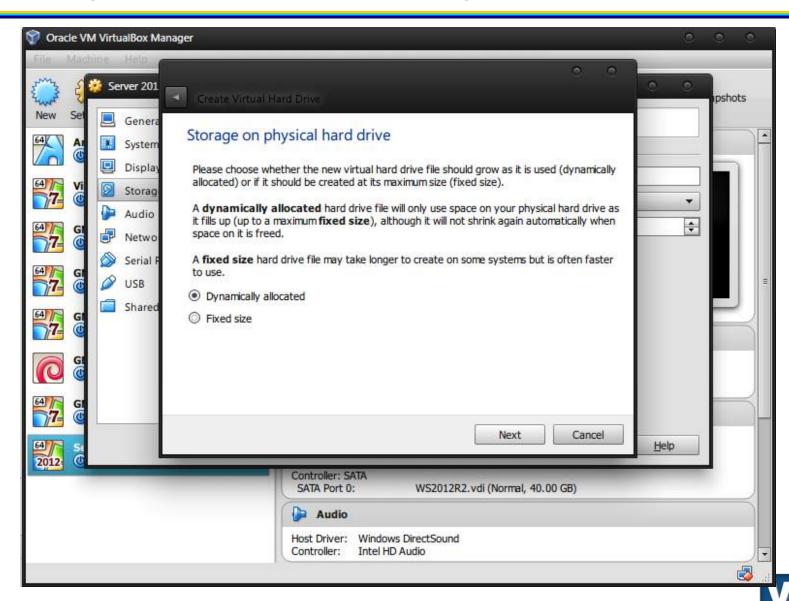


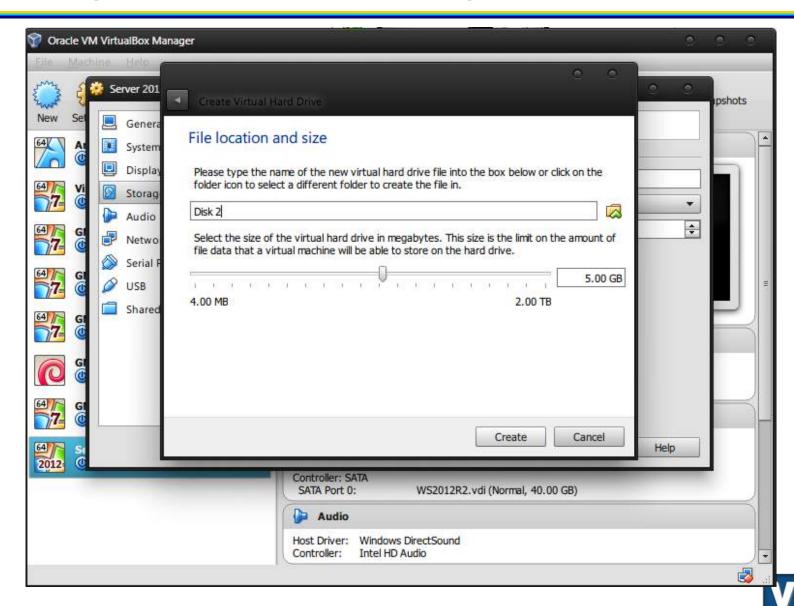


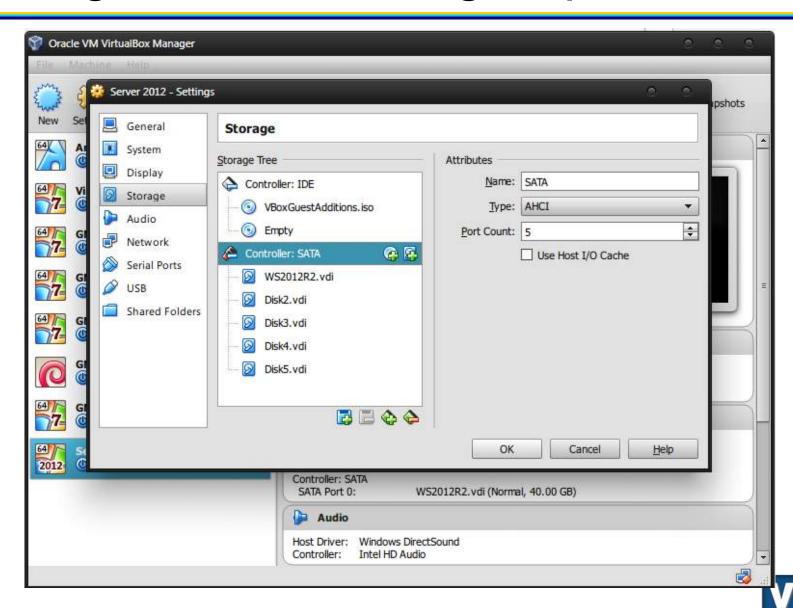
- Hard Drive File Type: VDI
- Storage Type: Dynamically allocated
- Size: 5GB
- Repeat this step until you have 4 5GB HDD

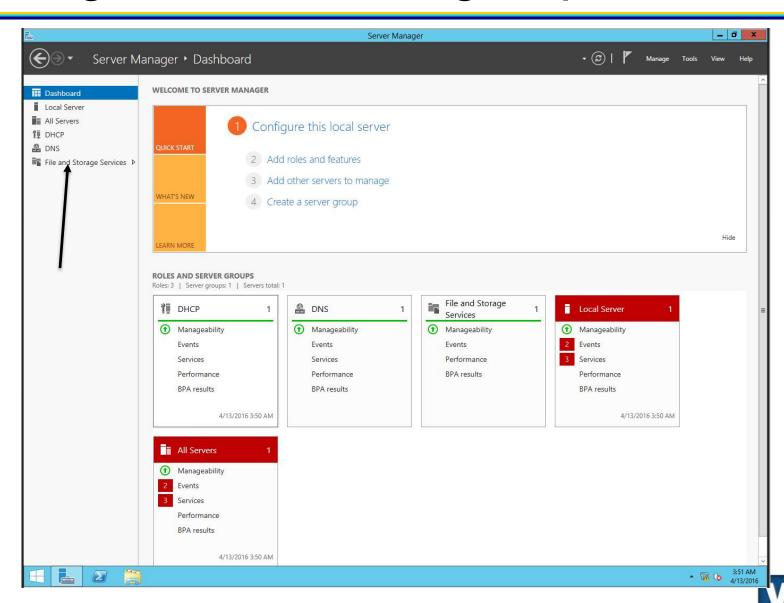


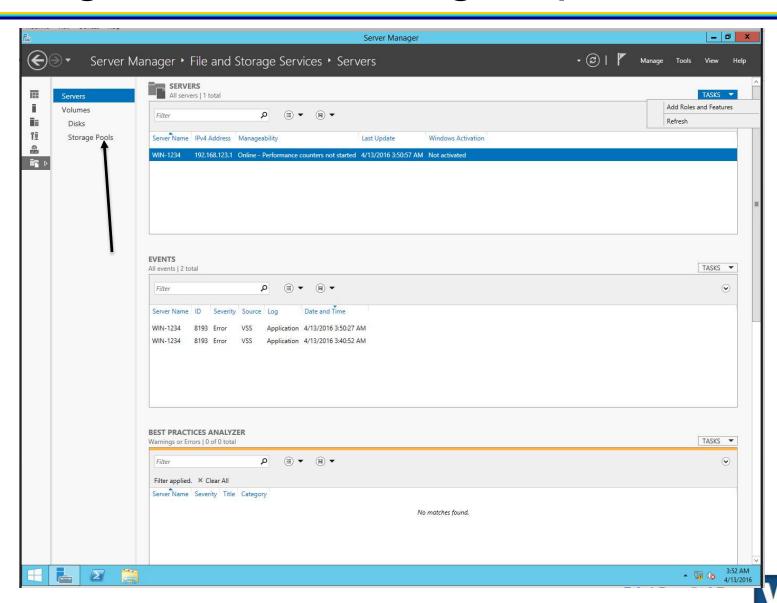


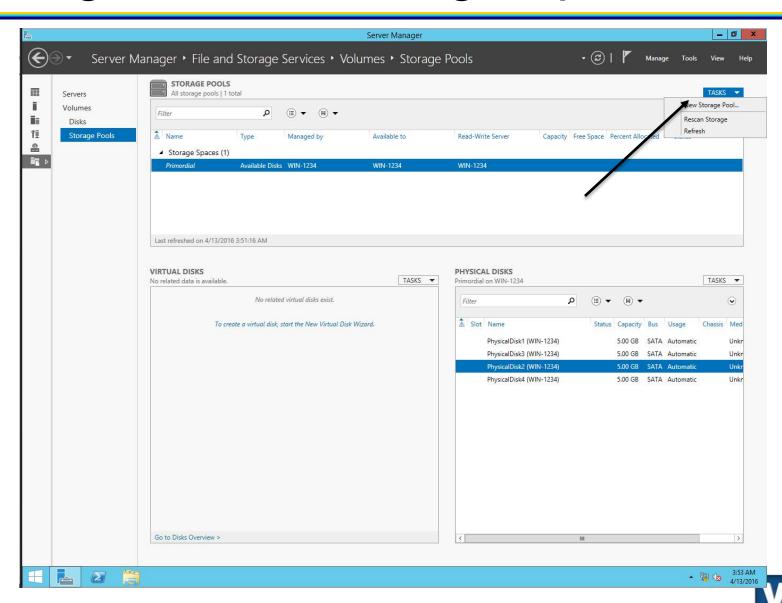






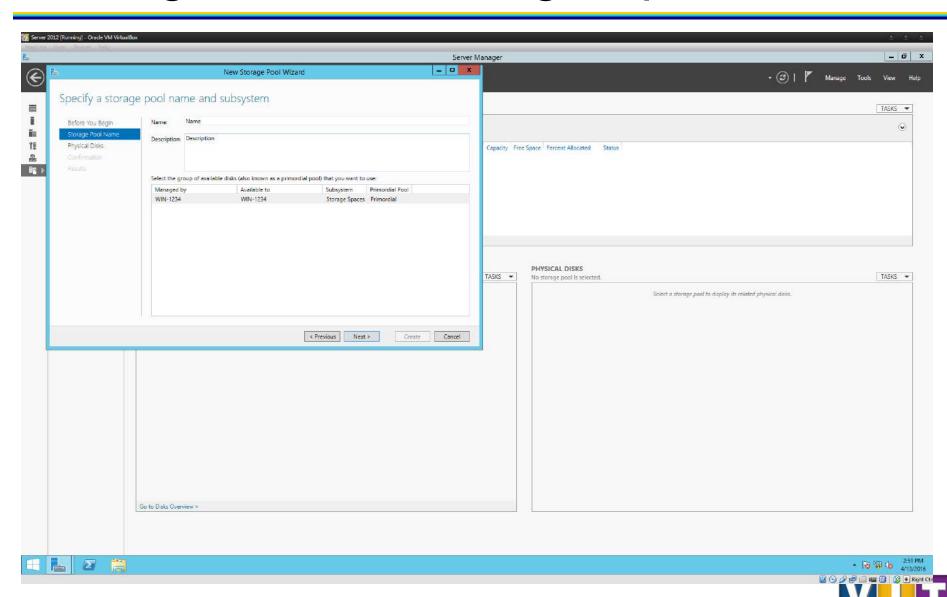


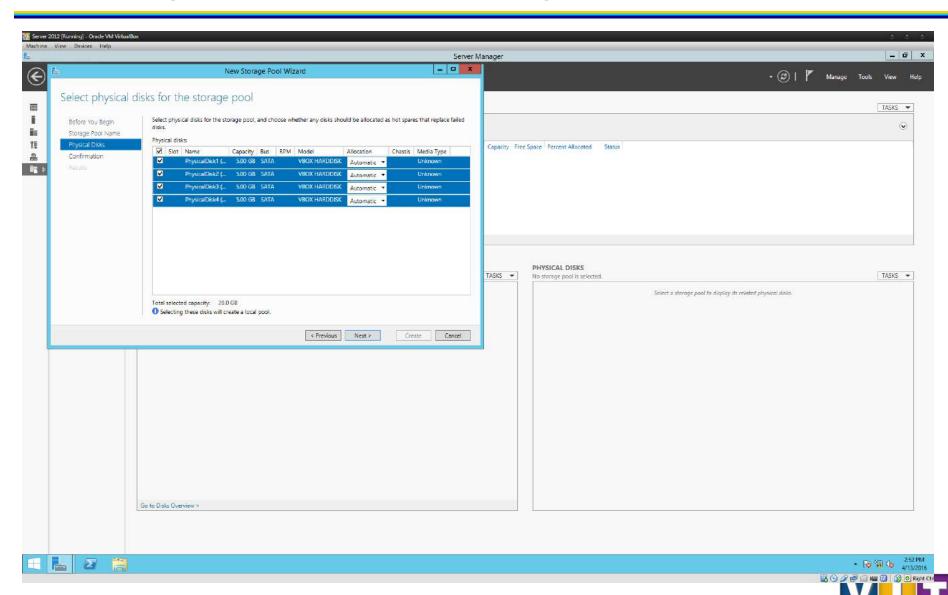


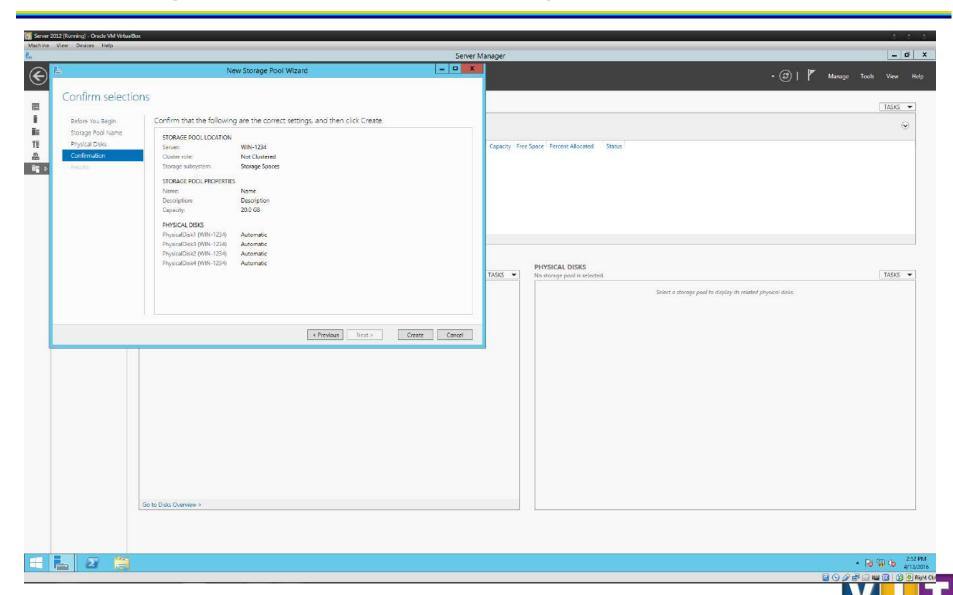


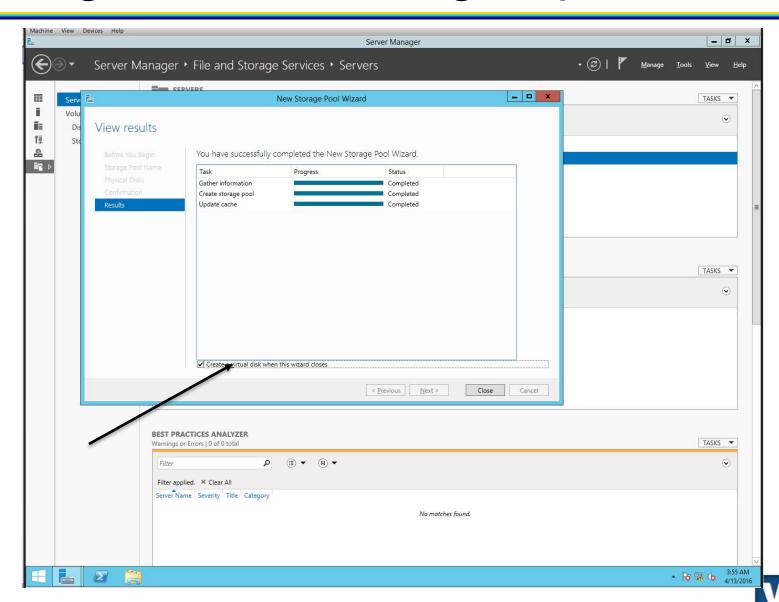
- Storage Pool
 - Name: (student-number)_Pool
 - Description: Your name
 - Select ALL disks







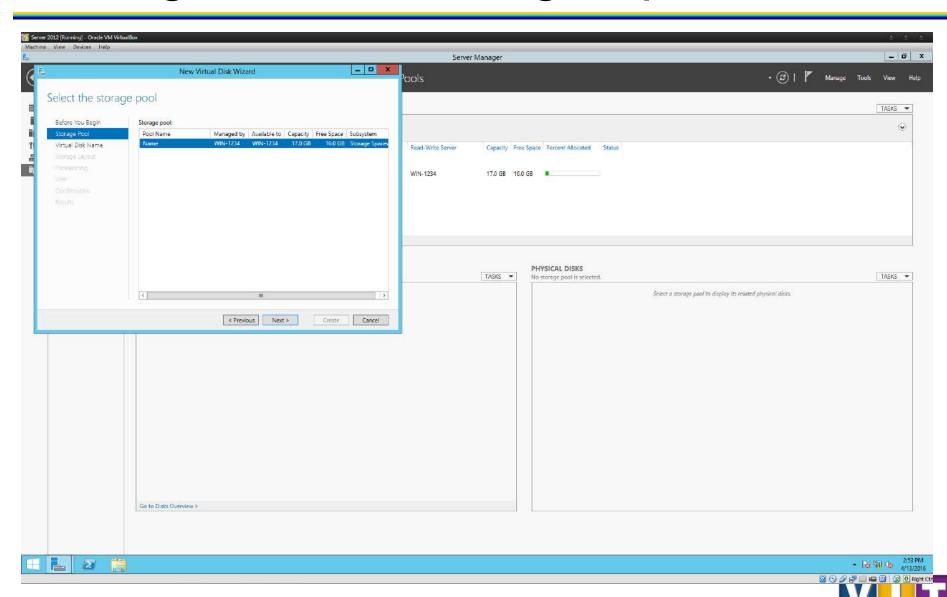


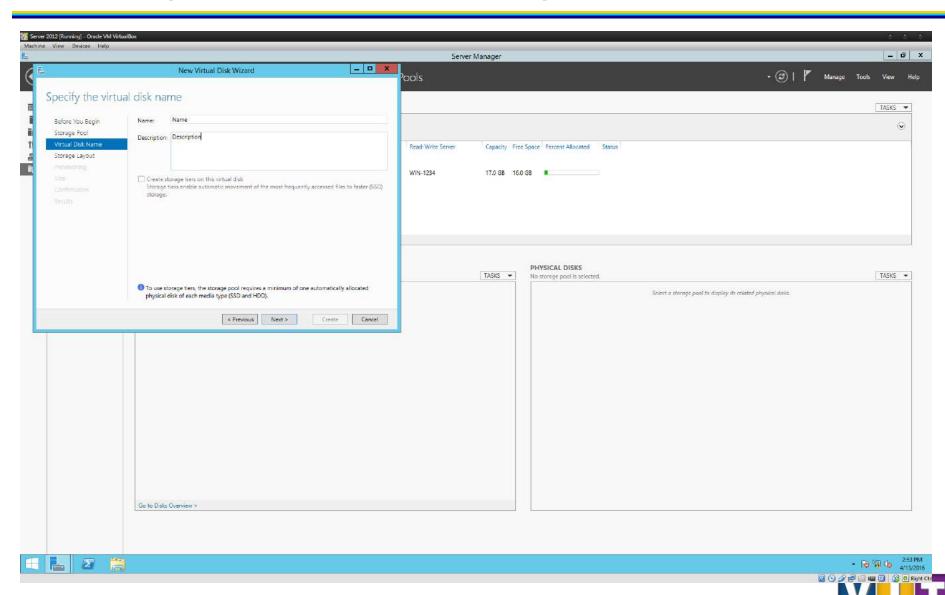


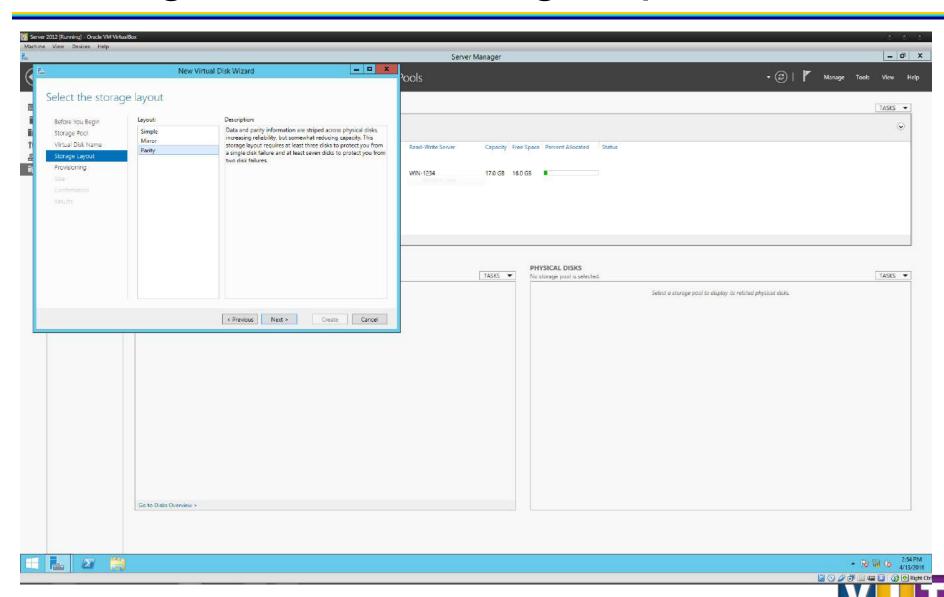
Virtual Disk

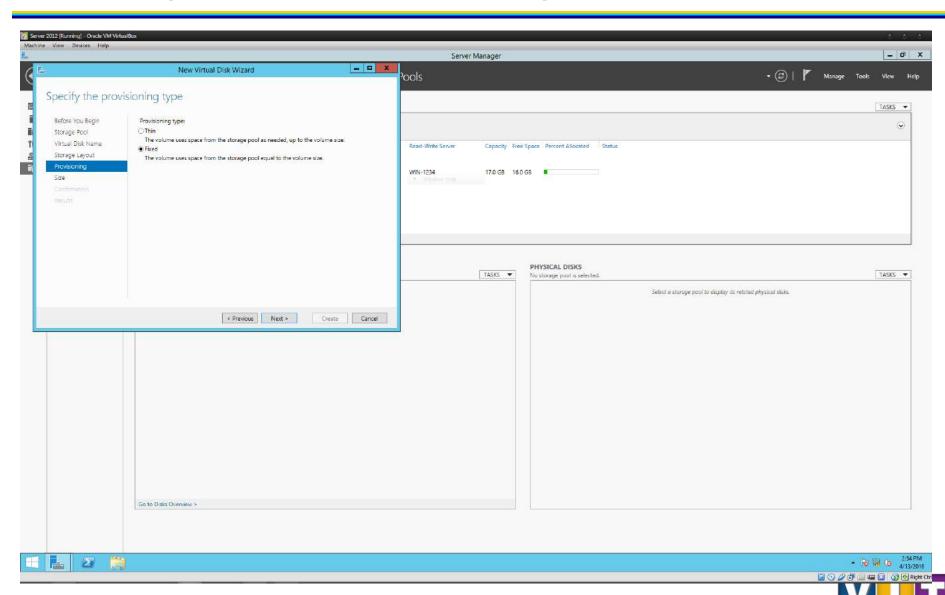
- Name: (student-number)_Vdisk
- Description: Your name
- Storage layout: Parity
- Provision type: Thin
- Size: Maximum Size

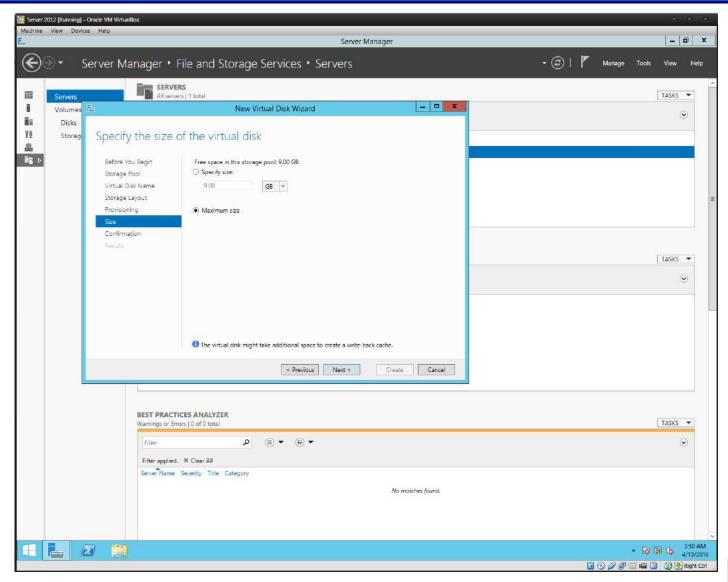




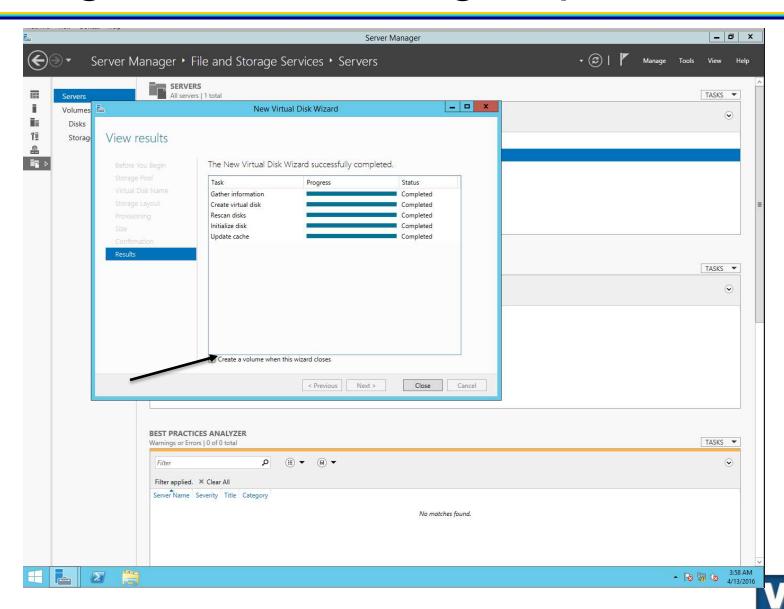






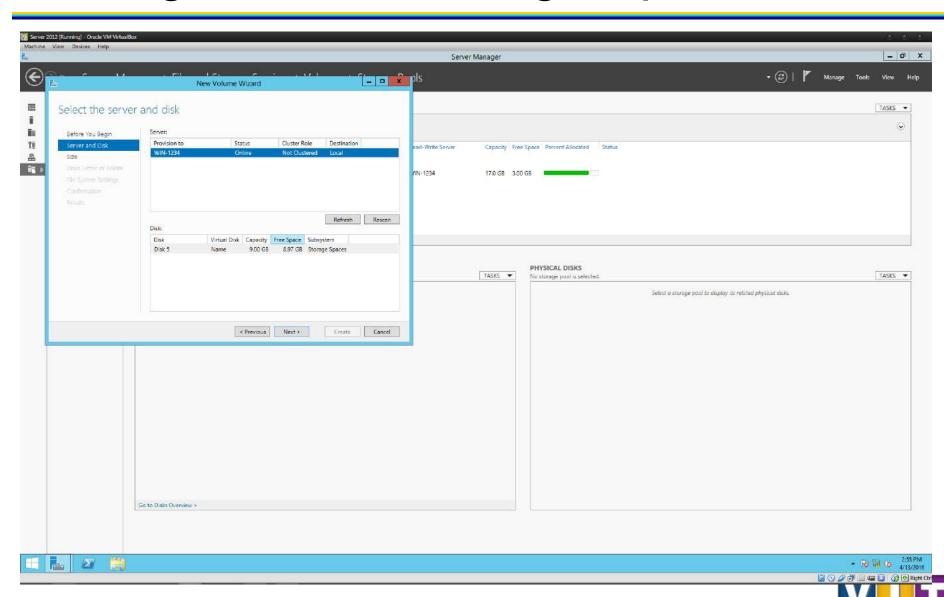


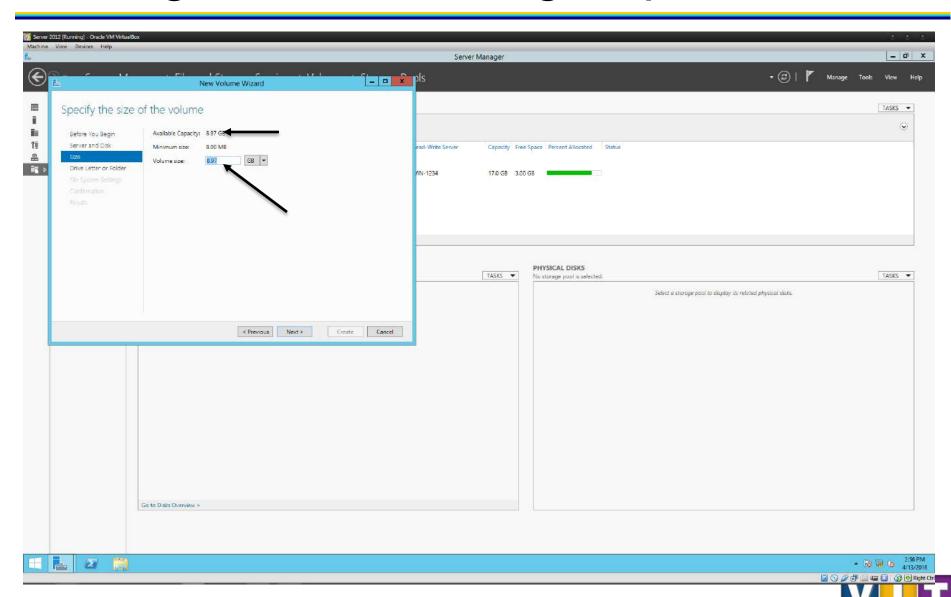


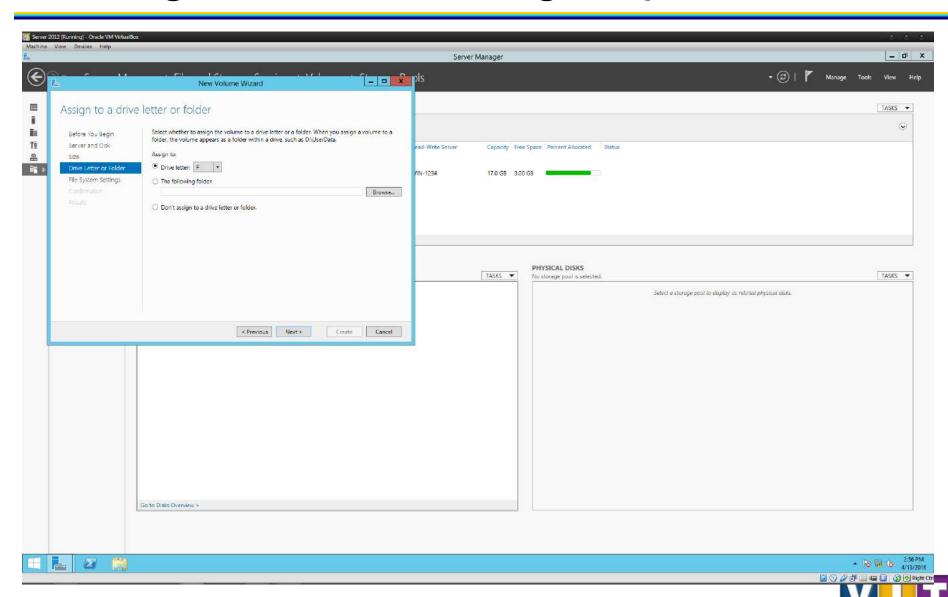


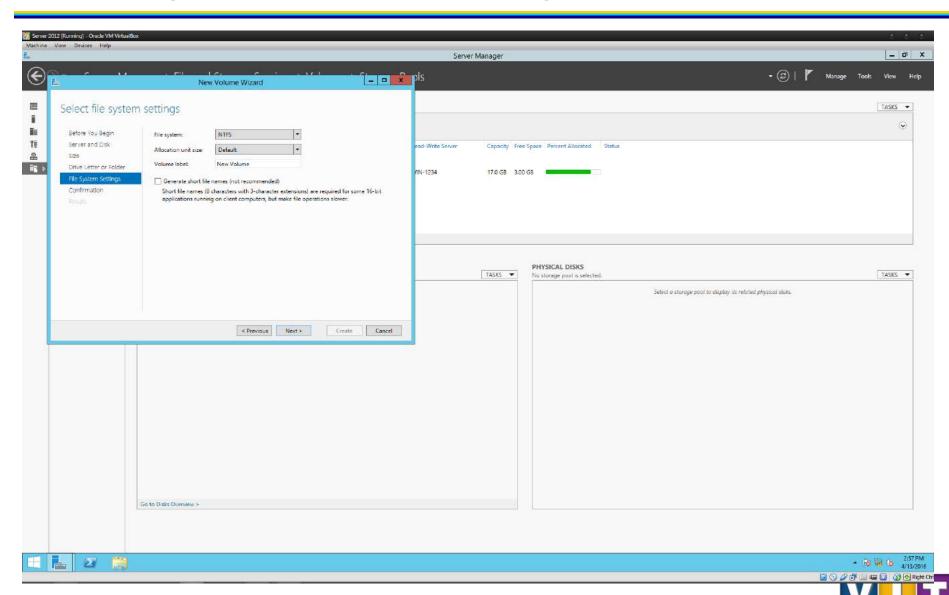
- Volume
 - Name: (student-number)_Volume
 - Description: Your name
 - Volume size: See available capacity
 - Leave other settings as default

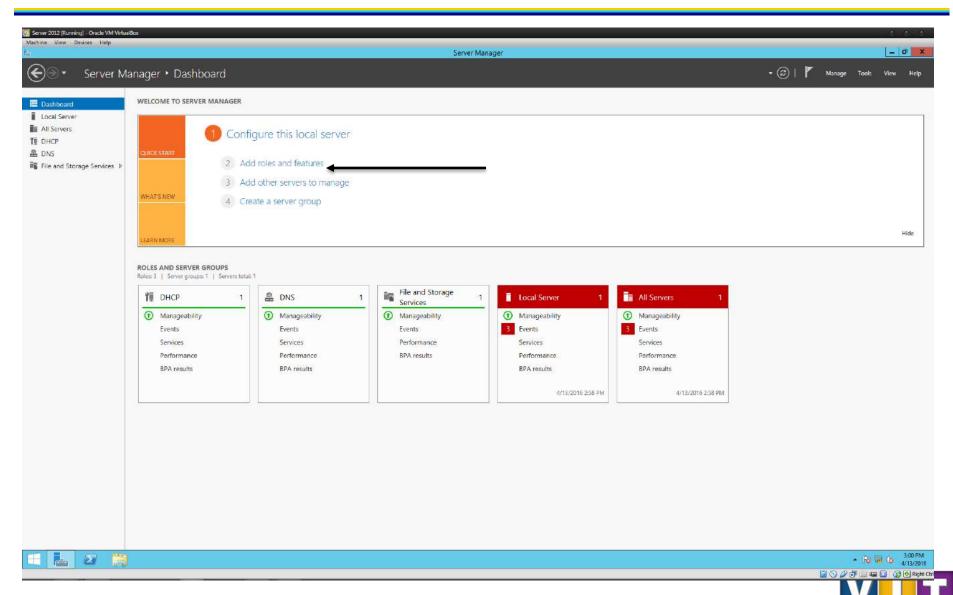


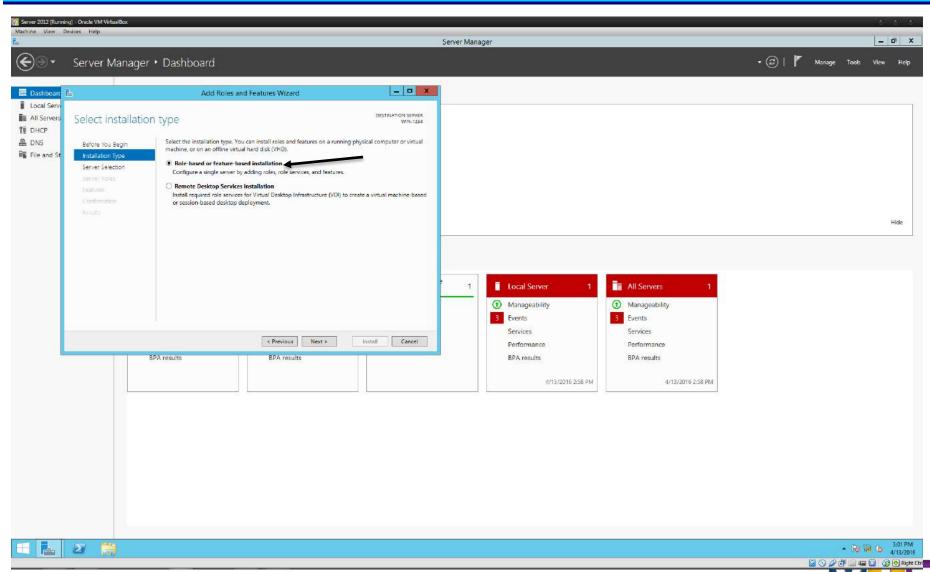


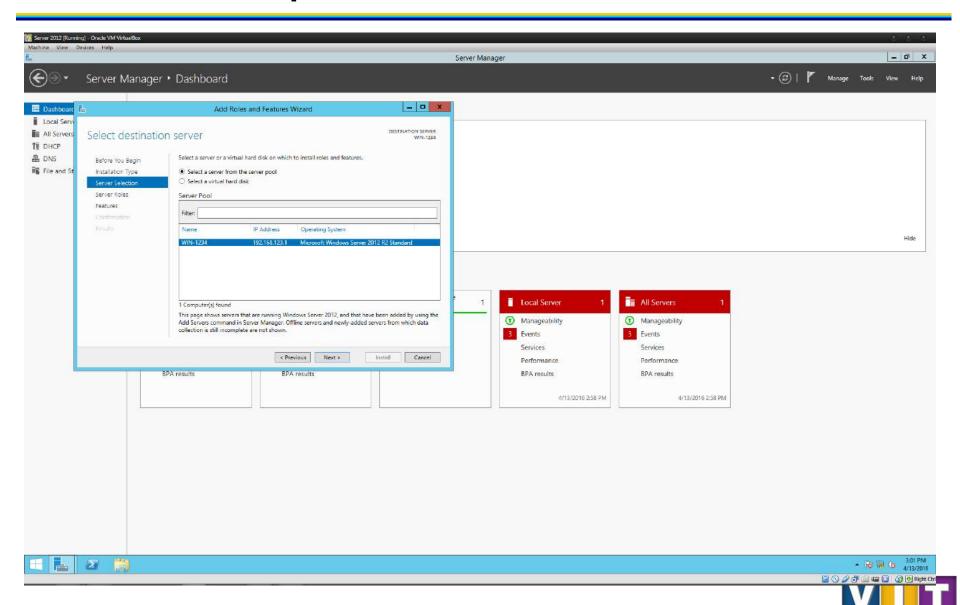


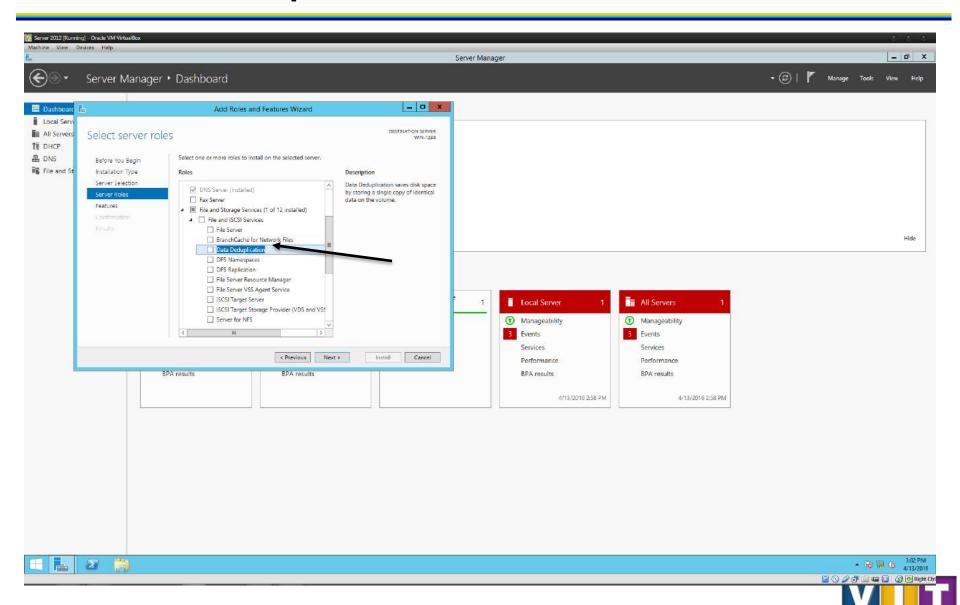


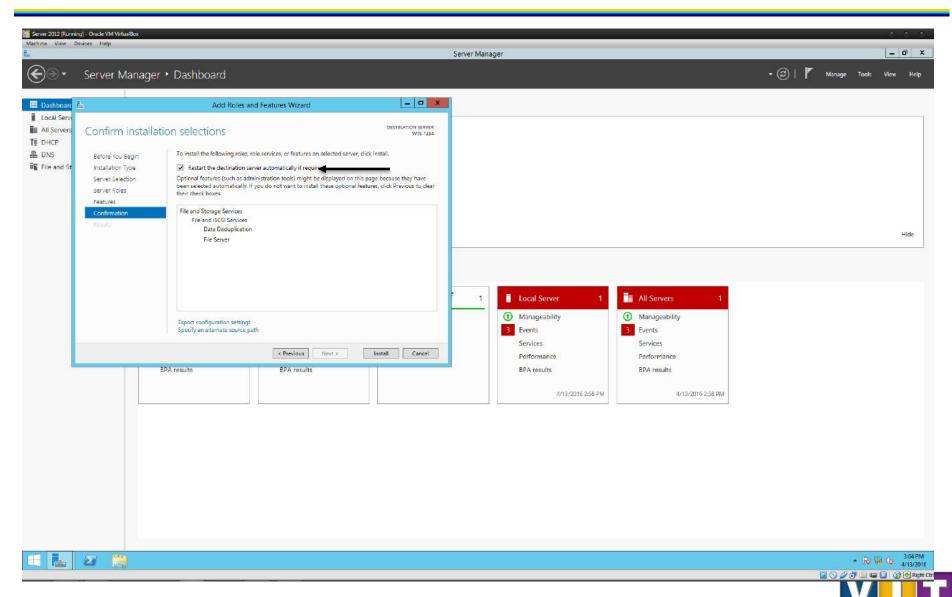


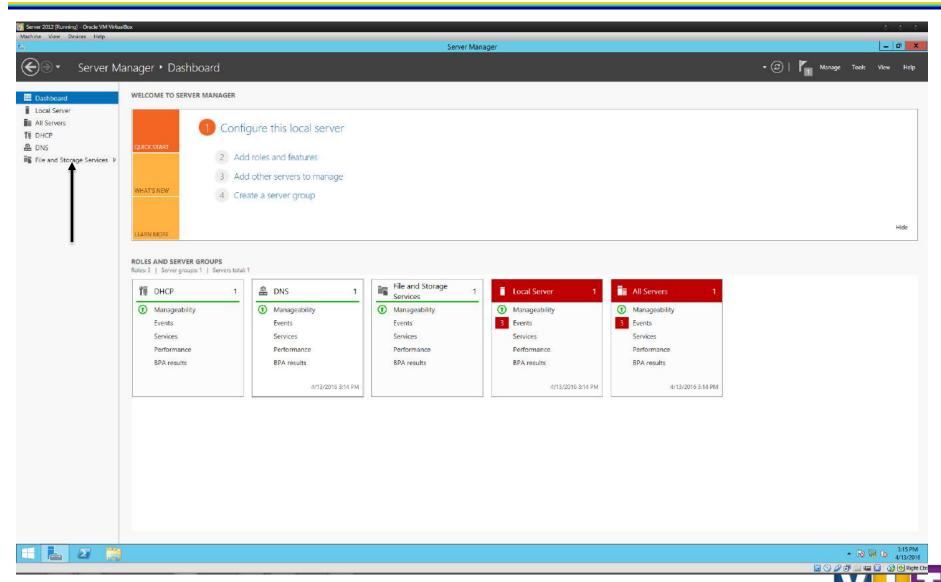




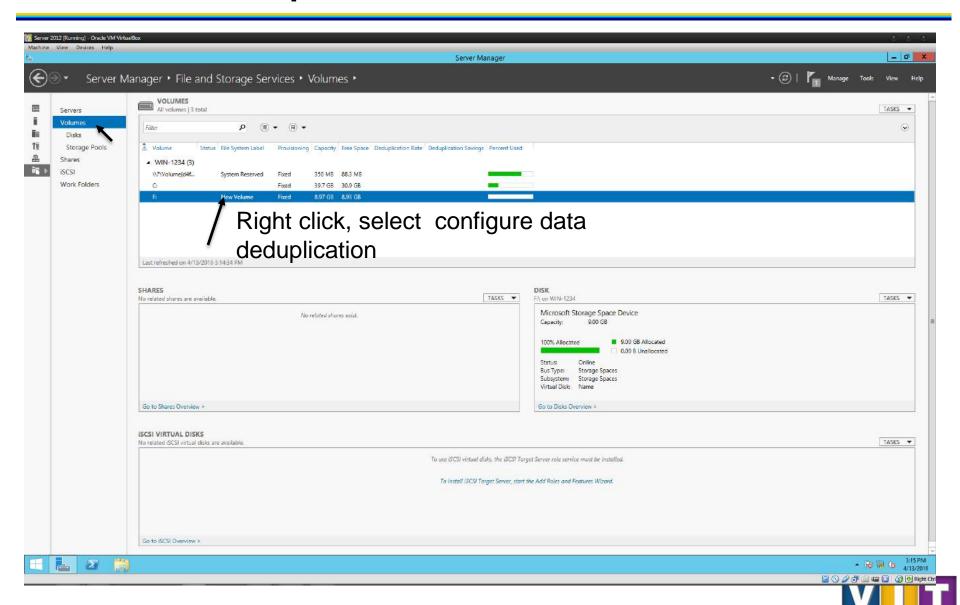




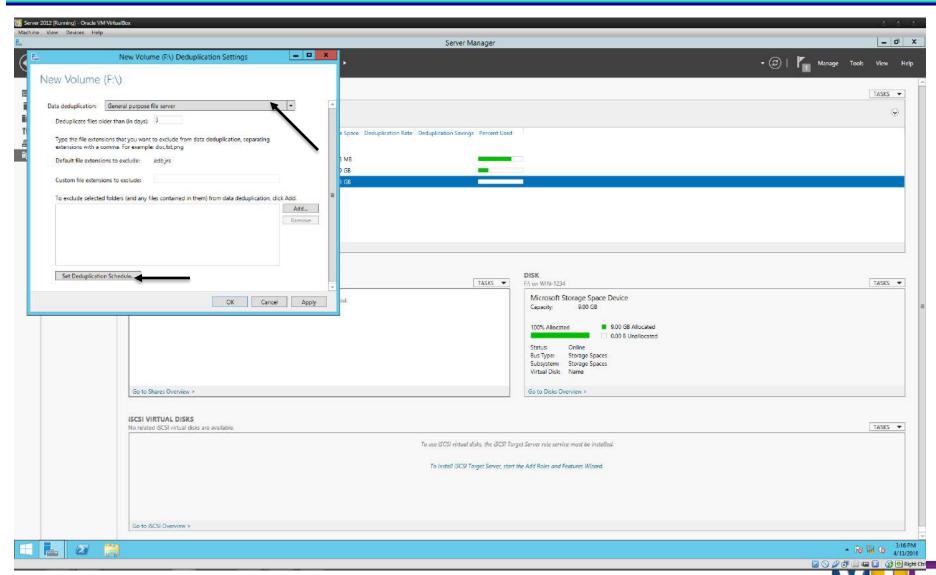




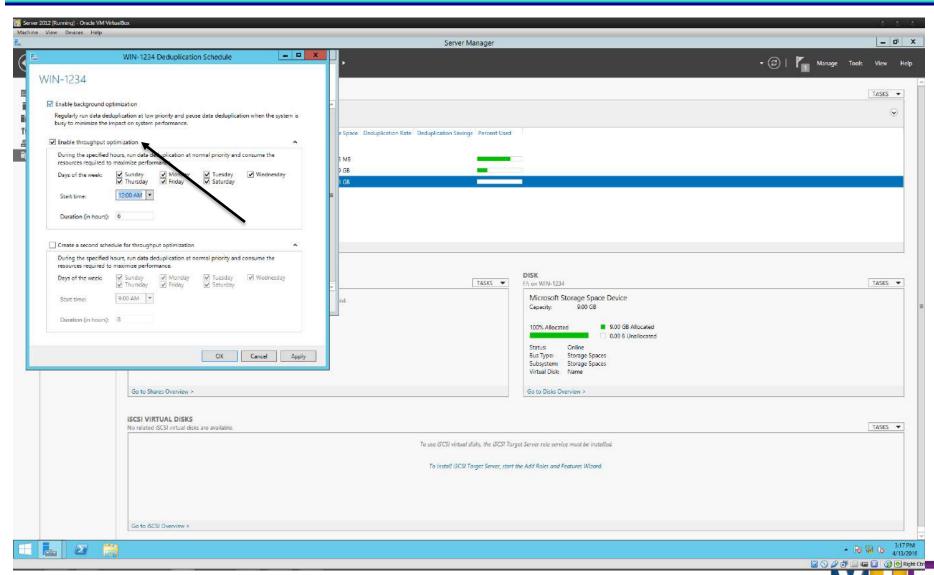
Data Deduplication

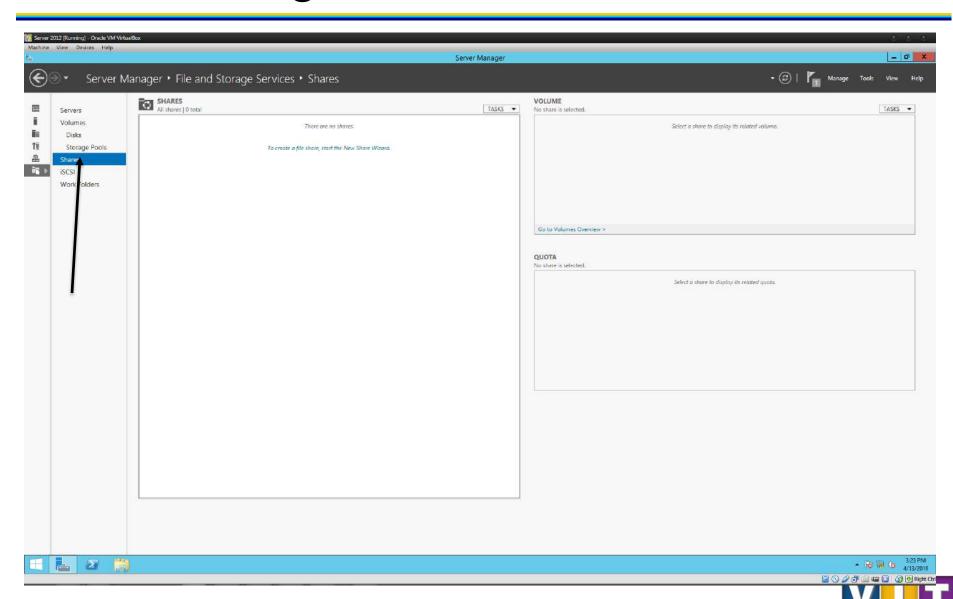


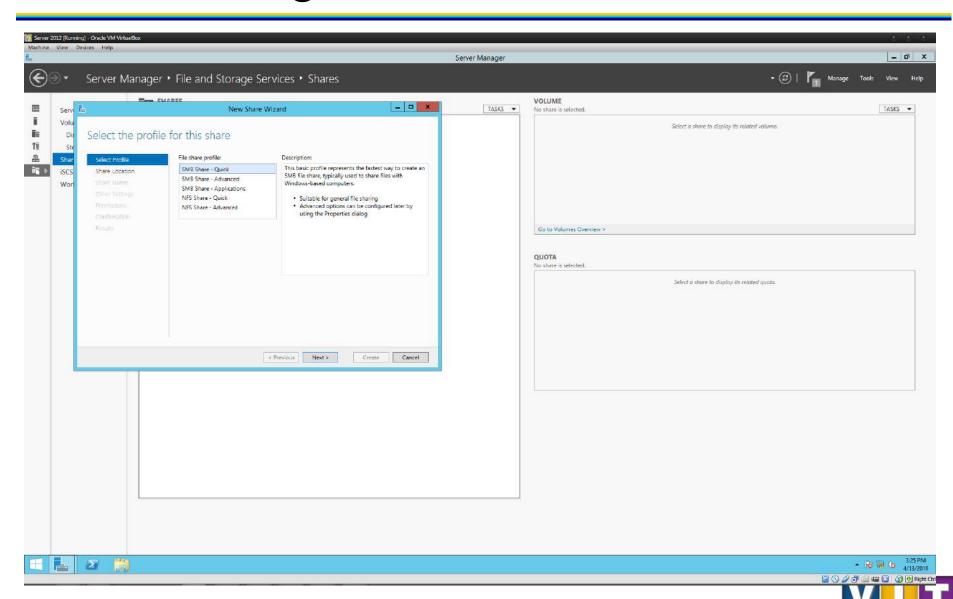
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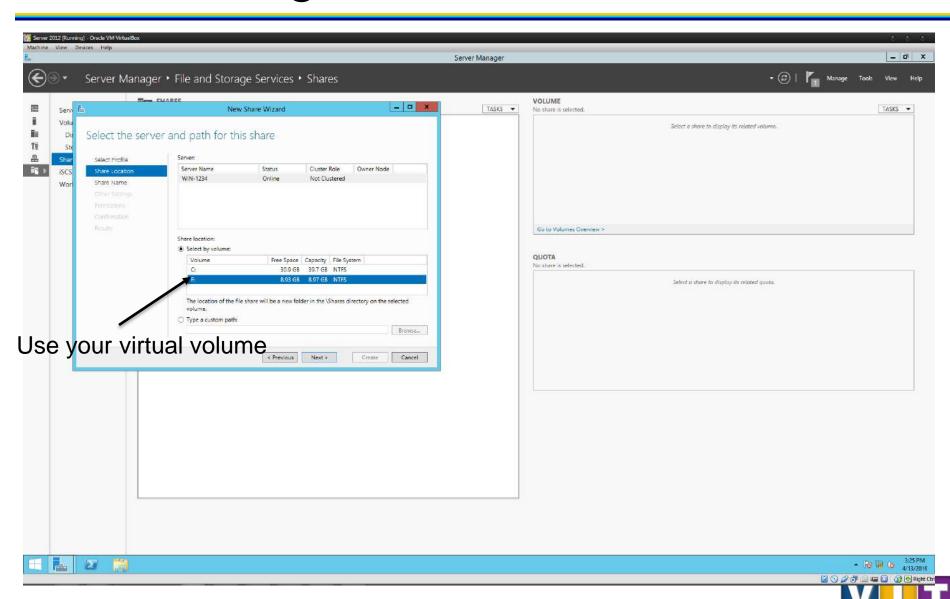


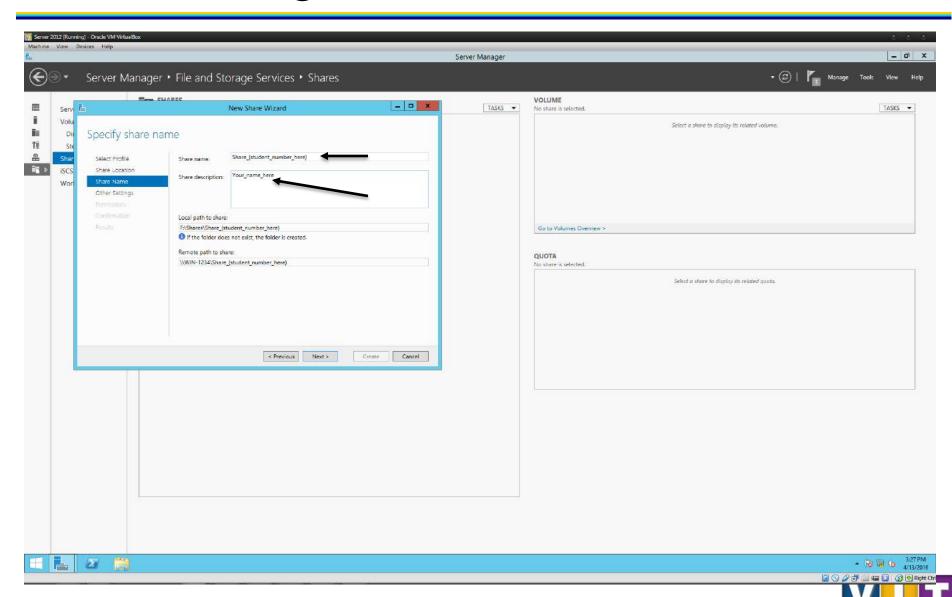
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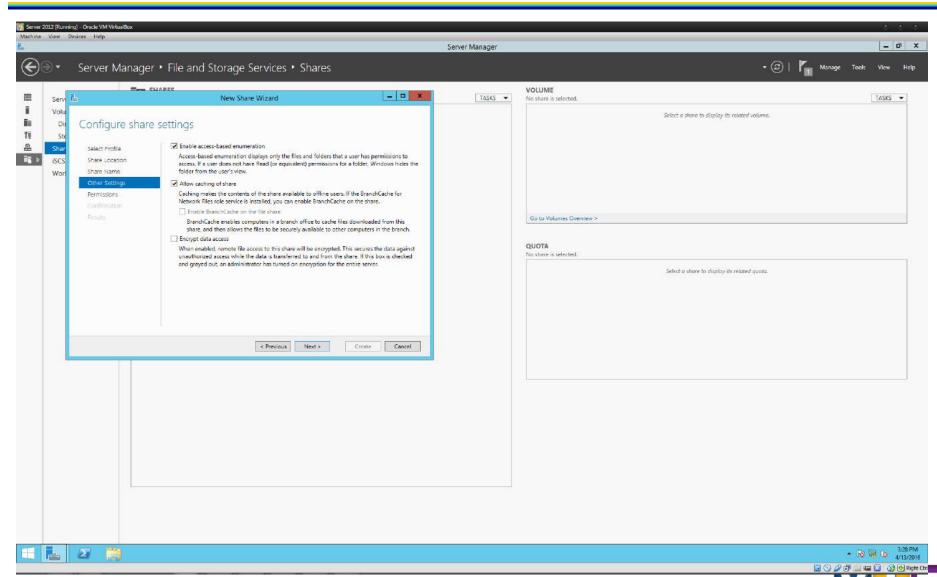


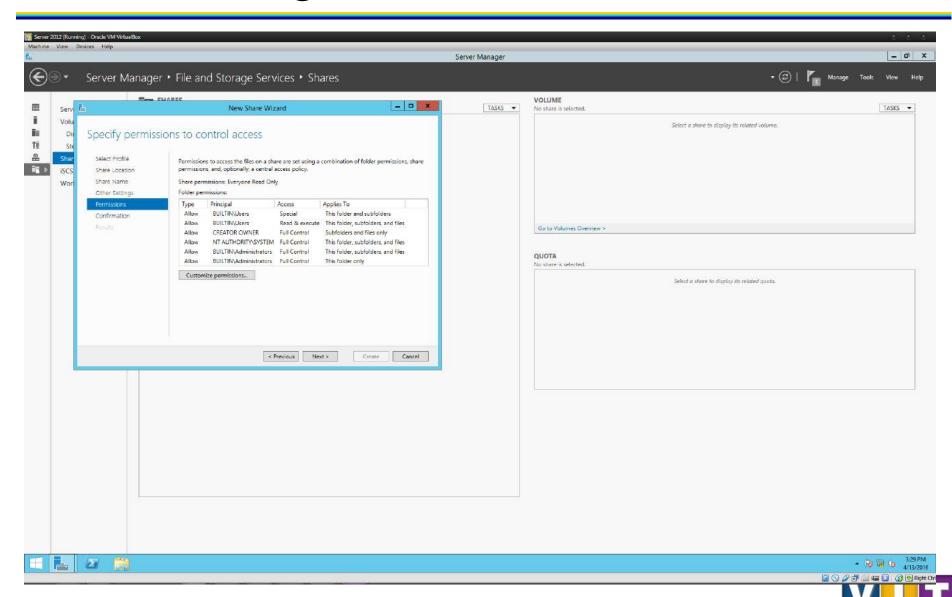


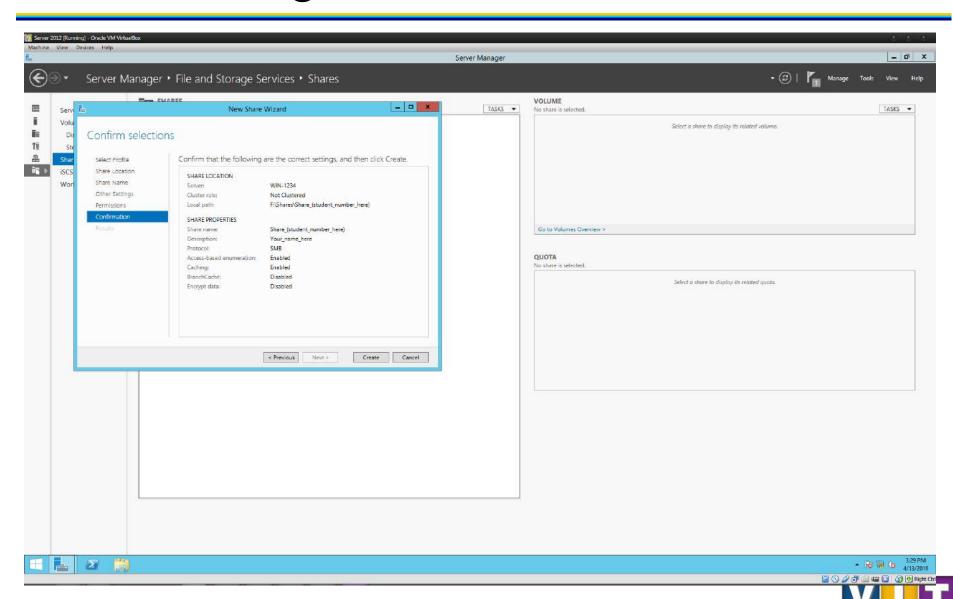


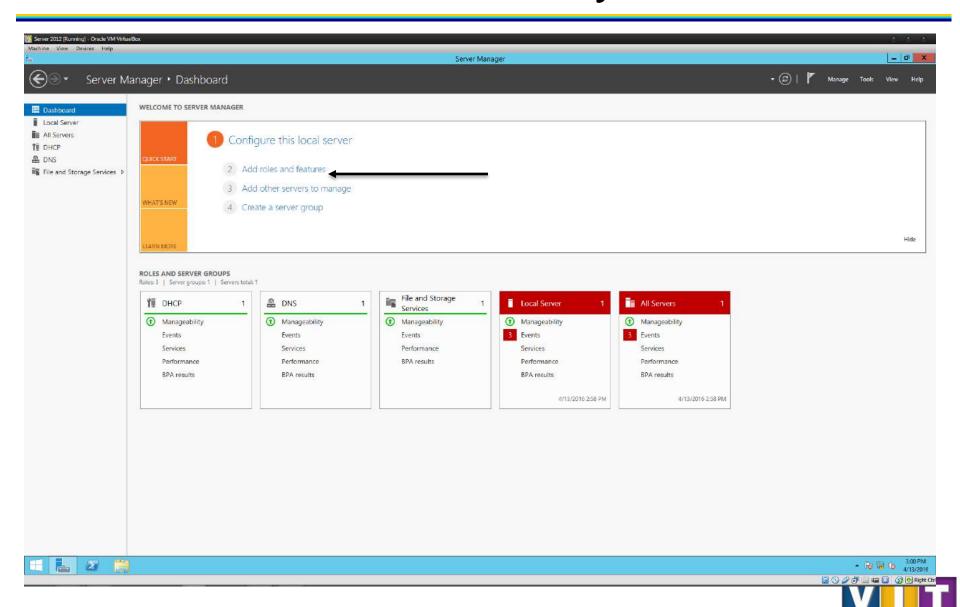


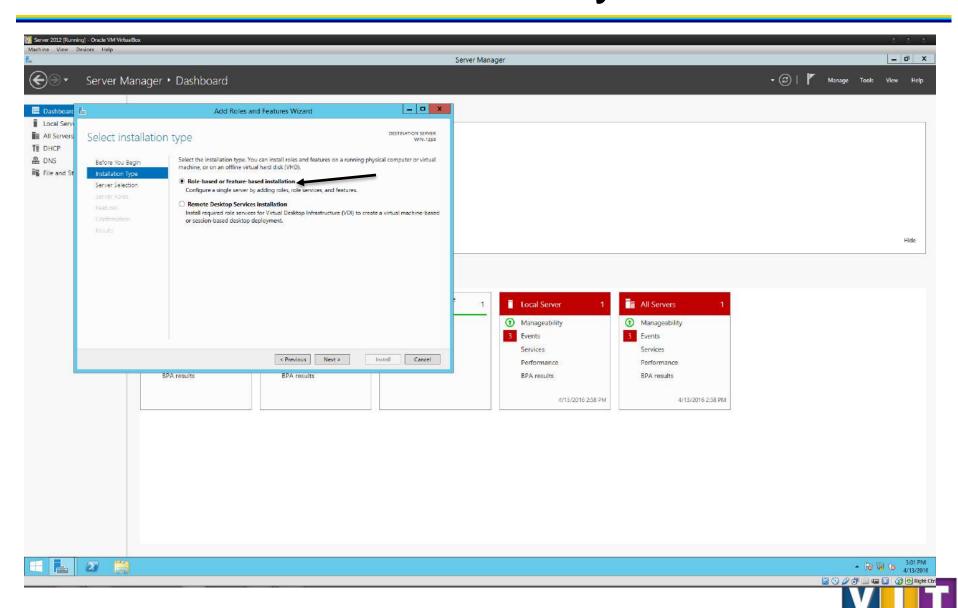


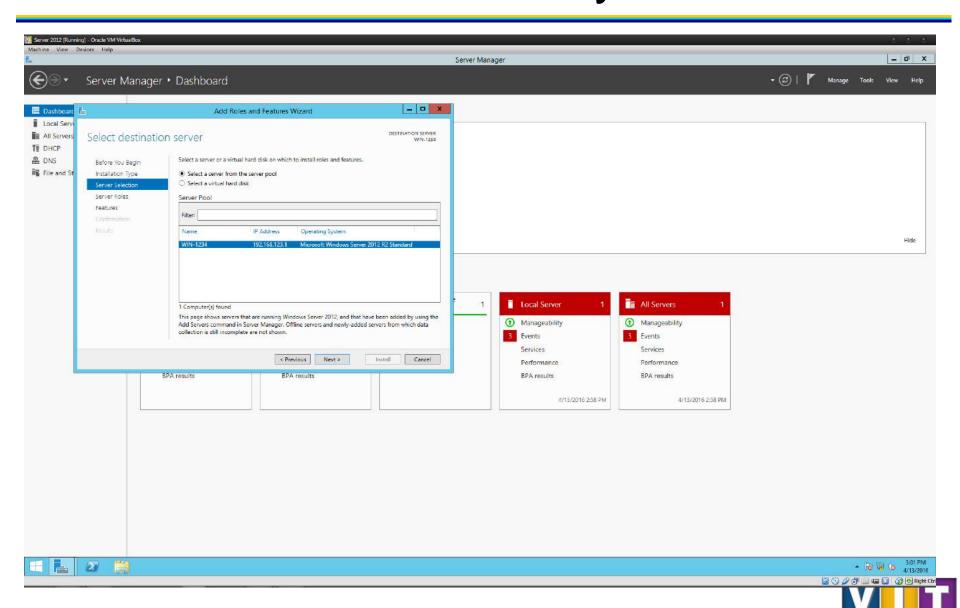


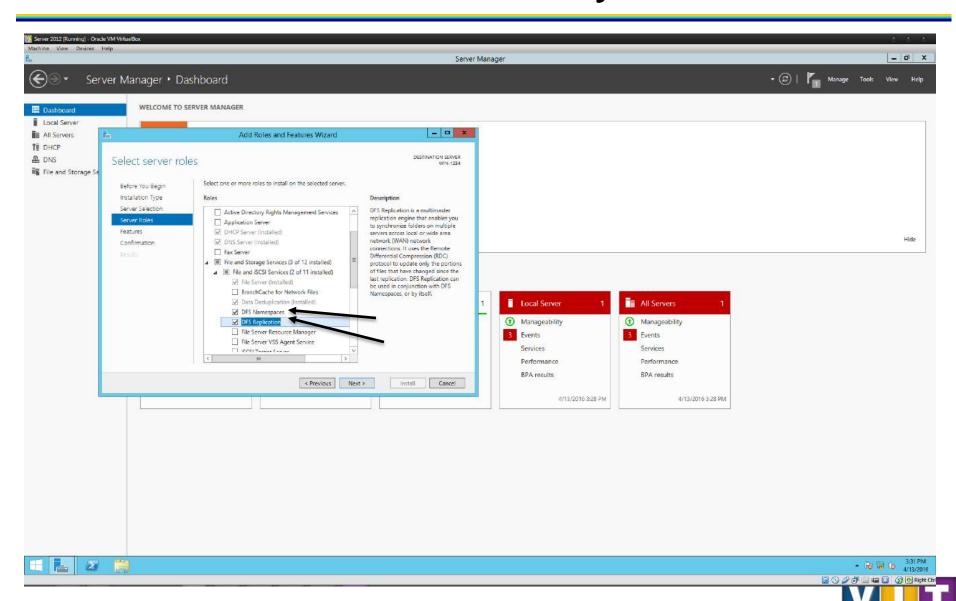


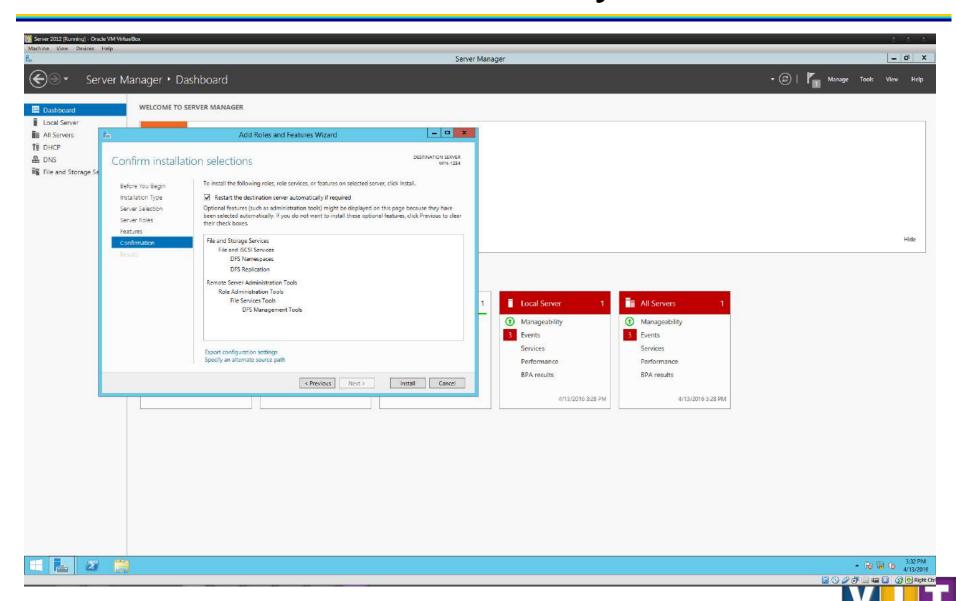












Your assignment task for this week

- Record date, time
- Record all configuration updates you have made to the server during this practical tasks. Add screen shots to highlight the changes.
 - The screenshot should show your name/student ID
- Report any errors/warnings from the event viewer
- Record the server status at the time you have done everything e.g. running normally or any observable issues.

