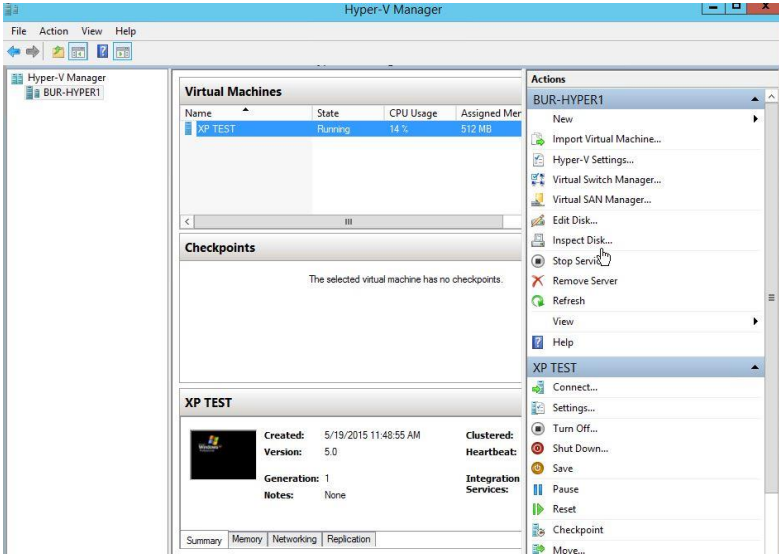
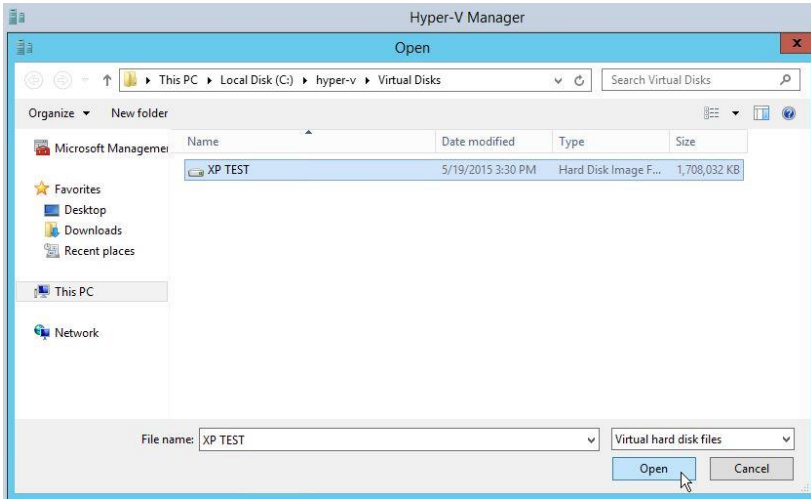


LAB5- DISK INSPECT, DİSK EKLEME, COMPACT, CONVERT VE EXPAND İŞLEMLERİ

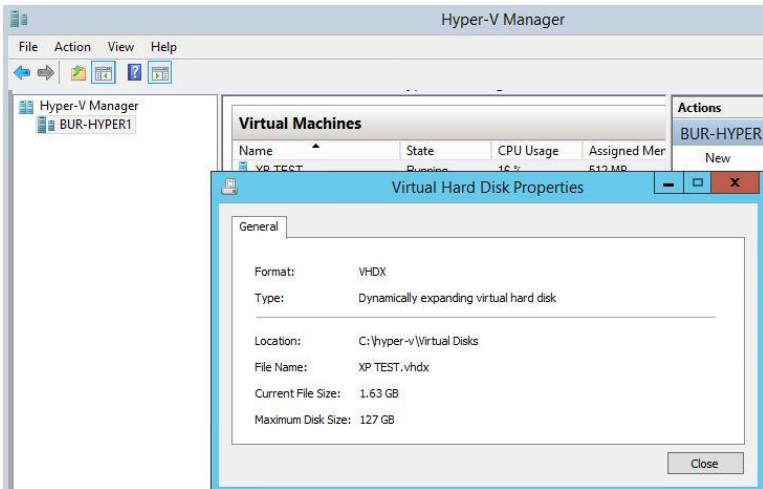
1-XP makinanız kurulumu bittikten sonra Hyper-v manager'da actions tabında Inspect Disk'e tıklayın.



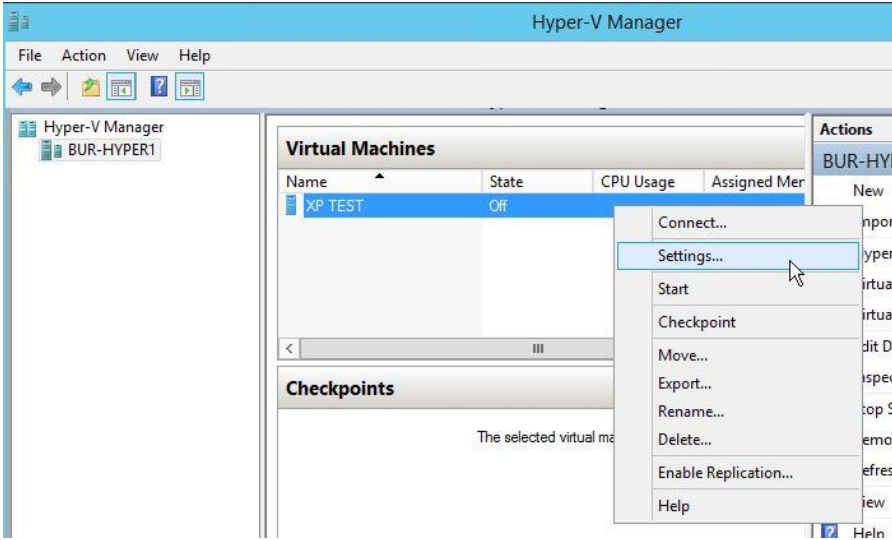
2-Xp'inin Kurulu olduğu klasörden XP'ye ait diski seçin.



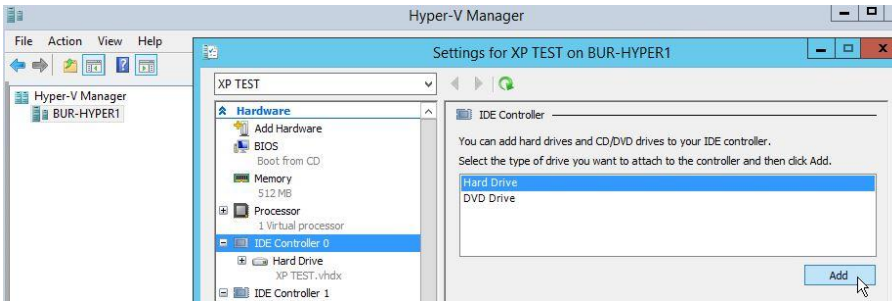
3-Inspect işleminin sonucunu inceleyin.



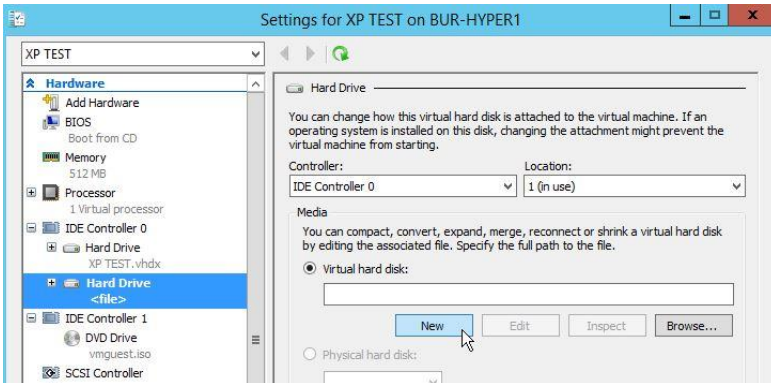
4-BUR_HYPER1 üzerinde Sanal makinaya sağ tıklayın ve settings...’e tıklayın.Bu işlem yapılırken makinamız kapalı konumda olduğuna dikkat edin.



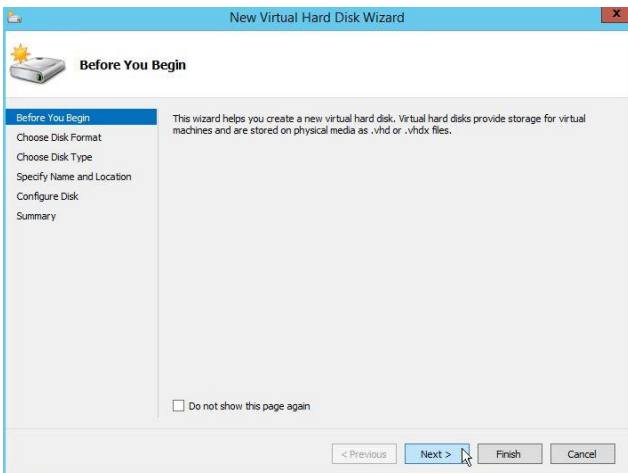
5-IDE Controller 0’a tıklayın sağ tarafta çıkan alanda Hard Drive’ı Seçin



6-Açılan sayfada virtual hard disk alanında New’e tıklayın.



7-Açılan New Virtual Hard disk Wizard’da Next’e tıklayın.



8-Choose Disk Format sayfasında VHDX'i Seçin Next'e tıklayın.

The screenshot shows the 'Choose Disk Format' step of the 'New Virtual Hard Disk Wizard'. The left sidebar lists the steps: 'Before You Begin', 'Choose Disk Format' (selected), 'Choose Disk Type', 'Specify Name and Location', 'Configure Disk', and 'Summary'. The main area asks 'What format do you want to use for the virtual hard disk?'. There are two radio buttons: 'VHD' (unselected) and 'VHDX' (selected). The 'VHDX' option is highlighted with a blue circle. Below the radio buttons, there is a description for VHDX: 'This format supports virtual disks up to 64 TB and is resilient to consistency issues that might occur from power failures. This format is not supported in operating systems earlier than Windows Server 2012.' At the bottom, there are four buttons: '< Previous', 'Next >', 'Finish', and 'Cancel'. A mouse cursor is pointing at the 'Next >' button.

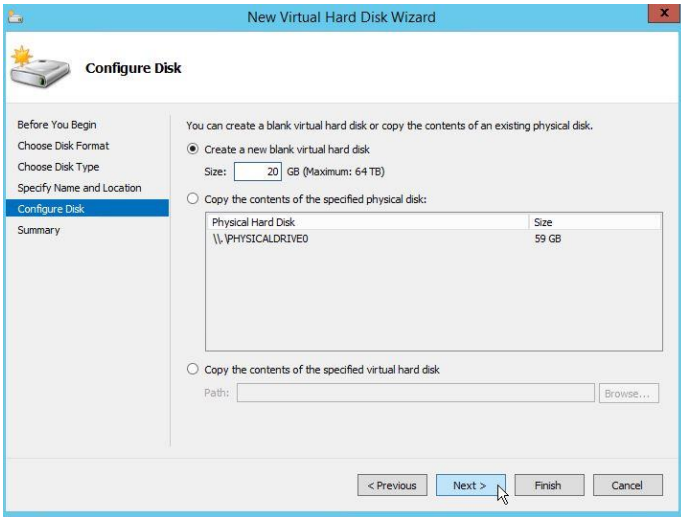
9-Choose Disk Type alanında Dynamically expanding'i seçin Next'i Tıklayın.

The screenshot shows the 'Choose Disk Type' step of the 'New Virtual Hard Disk Wizard'. The left sidebar lists the steps: 'Before You Begin', 'Choose Disk Format', 'Choose Disk Type' (selected), 'Specify Name and Location', 'Configure Disk', and 'Summary'. The main area asks 'What type of virtual hard disk do you want to create?'. There are three radio buttons: 'Fixed size' (unselected), 'Dynamically expanding' (selected), and 'Differencing' (unselected). The 'Dynamically expanding' option is highlighted with a blue circle. Below the radio buttons, there is a description for Dynamically expanding: 'This type of disk provides better use of physical storage space and is recommended for servers running applications that are not disk intensive. The virtual hard disk file that is created is small initially and changes as data is added.' At the bottom, there are four buttons: '< Previous', 'Next >', 'Finish', and 'Cancel'. A mouse cursor is pointing at the 'Next >' button.

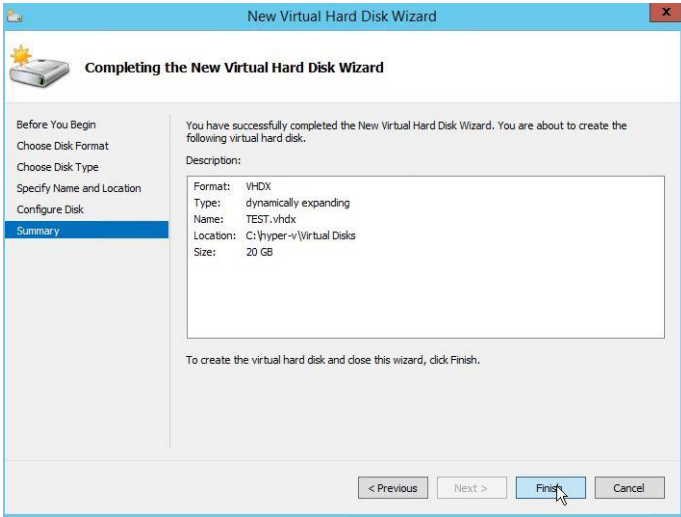
10-Disk adına TEST yazın Next'e tıklayın.

The screenshot shows the 'Specify Name and Location' step of the 'New Virtual Hard Disk Wizard'. The left sidebar lists the steps: 'Before You Begin', 'Choose Disk Format', 'Choose Disk Type', 'Specify Name and Location' (selected), 'Configure Disk', and 'Summary'. The main area asks 'Specify the name and location of the virtual hard disk file.'. There are two input fields: 'Name:' and 'Location:'. The 'Name:' field contains the text 'TEST'. The 'Location:' field contains the text 'C:\hyper-v\Virtual Disks'. To the right of the 'Location:' field is a 'Browse...' button. At the bottom, there are four buttons: '< Previous', 'Next >', 'Finish', and 'Cancel'. A mouse cursor is pointing at the 'Next >' button.

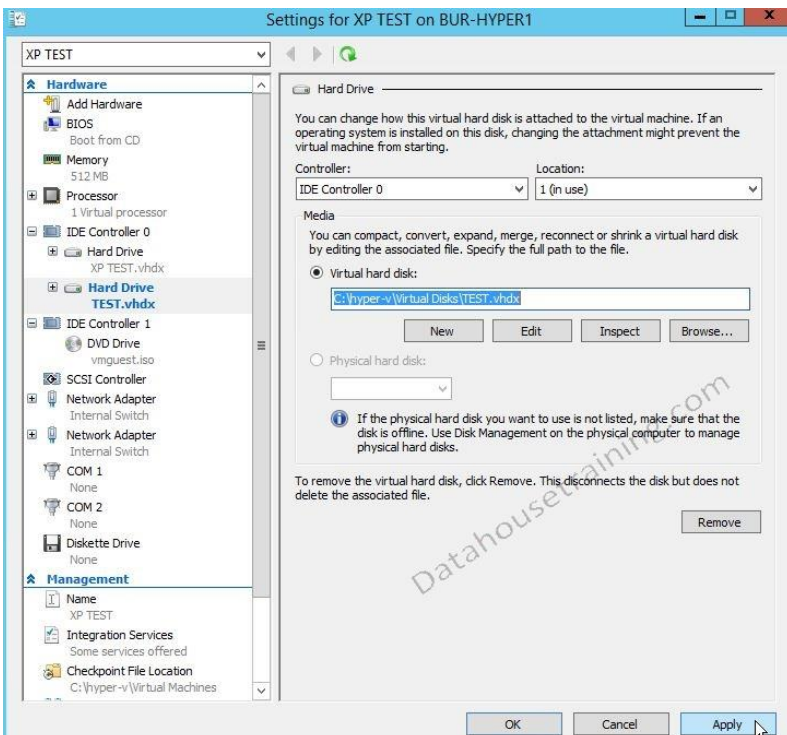
11-Configure Disk sayfasında, Create a new blank virtual hard disk alanına SIZE 20 GB olarak belirtin ve Next'e Tıklayın.



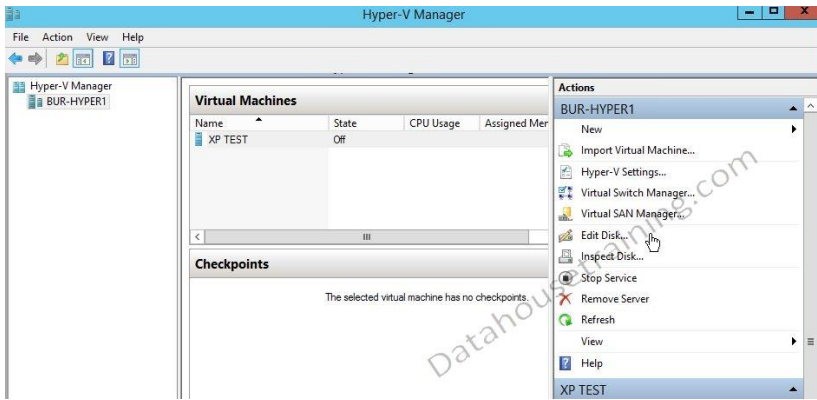
12-Summary alanında Finish diyerek disk oluşturma işlemini tamamlayın.



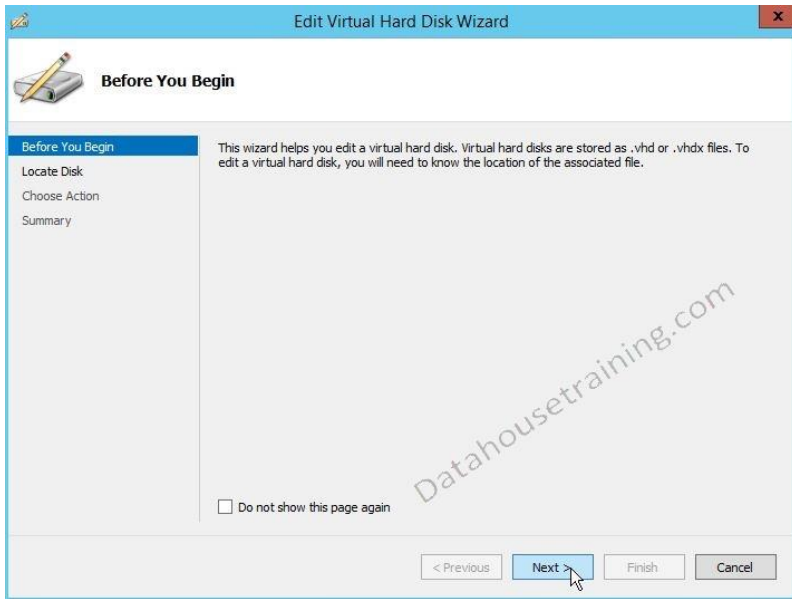
13-Settings For XP TEST ekranında Apply diyerek diski sanal makinaya ekleme işlemini tamamlayın.



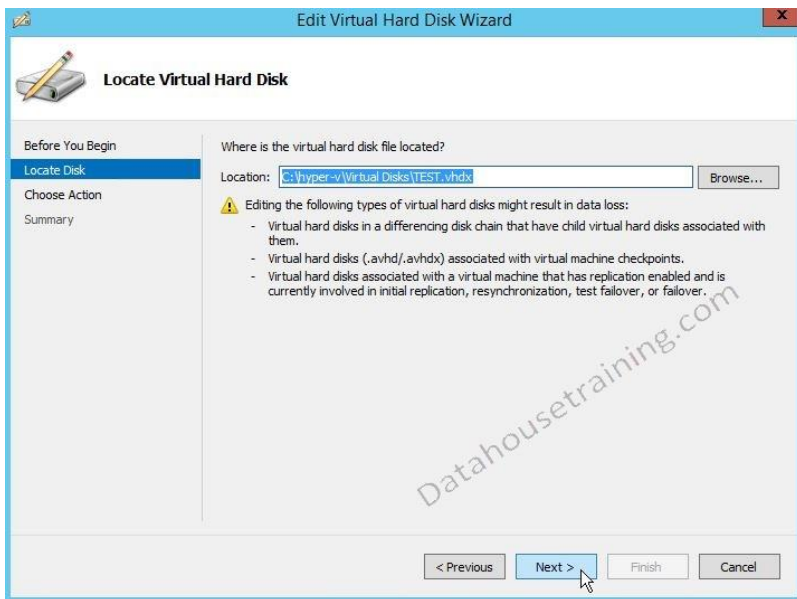
14-Compact işlemi için Hyper-V manager Actions alanında Edit disk'e tıklayın.



15-Before you begin Sayfasında Next'e tıklayın.



16-Locate Disk Sayfasında işlemi Gerçekleştireceğimiz diski seçin.



17-Choose action sayfasında Compact alanını seçin Next'e tıklayın

The screenshot shows the 'Edit Virtual Hard Disk Wizard' window with the 'Choose Action' step selected in the left sidebar. The main area displays three options: 'Compact' (selected), 'Convert', and 'Expand'. Each option has a brief description. The 'Compact' option is highlighted with a radio button. The 'Next >' button is highlighted with a mouse cursor.

Edit Virtual Hard Disk Wizard

Choose Action

Before You Begin
Locate Disk
Choose Action
Summary

What do you want to do to the virtual hard disk?

- ☒ **Compact**
This option compacts the file size of a virtual hard disk. The storage capacity of the virtual hard disk remains the same.
- ☐ **Convert**
This option converts a virtual hard disk by copying the contents to a new virtual hard disk. The new virtual hard disk can use a different type and format than the original virtual hard disk.
- ☐ **Expand**
This option expands the capacity of the virtual hard disk.

< Previous **Next >** Finish Cancel

18-Summary sayfasında Finish diyerek işlemi tamamlayın.

The screenshot shows the 'Edit Virtual Hard Disk Wizard' window with the 'Summary' step selected in the left sidebar. The main area displays a summary of the changes to be made: 'Virtual Hard Disk: TEST.vhdx (VHDX, dynamically expanding)' and 'Action: Compact'. The 'Finish' button is highlighted with a mouse cursor.

Edit Virtual Hard Disk Wizard

Completing the Edit Virtual Hard Disk Wizard

Before You Begin
Locate Disk
Choose Action
Summary

You have successfully completed the Edit Virtual Hard Disk Wizard. You are about to make the following changes.

Description:

Virtual Hard Disk: TEST.vhdx (VHDX, dynamically expanding)
Action: Compact

To complete the action and close the wizard, click Finish.

< Previous Next > **Finish** Cancel

19-Convert işlemi için öncelikle 14,15 ve 16. Adımı tekrarlayın. Choose Action alanında Convert'ı Seçip Next'e tıklayın.

The screenshot shows the 'Edit Virtual Hard Disk Wizard' window with the 'Choose Action' step selected in the left sidebar. The main area displays three options: 'Compact', 'Convert' (selected), and 'Expand'. Each option has a brief description. The 'Convert' option is highlighted with a radio button. The 'Next >' button is highlighted with a mouse cursor.

Edit Virtual Hard Disk Wizard

Choose Action

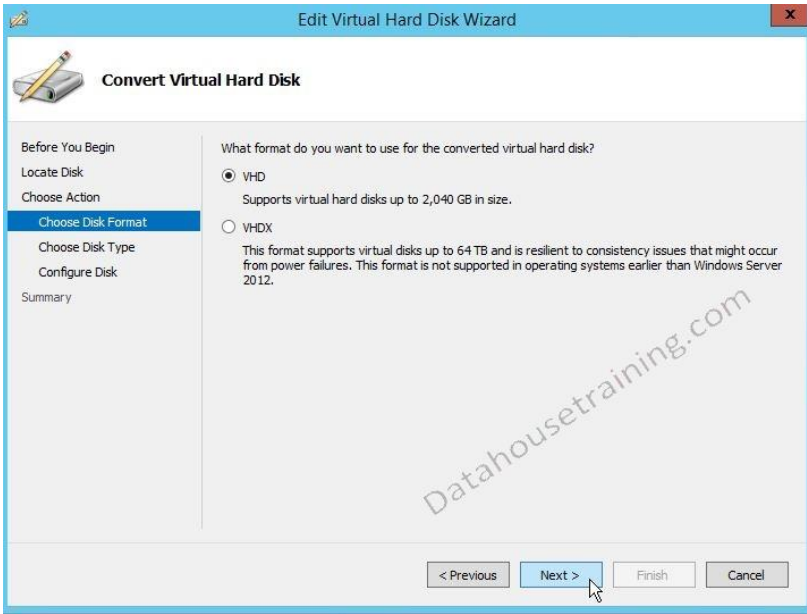
Before You Begin
Locate Disk
Choose Action
Summary

What do you want to do to the virtual hard disk?

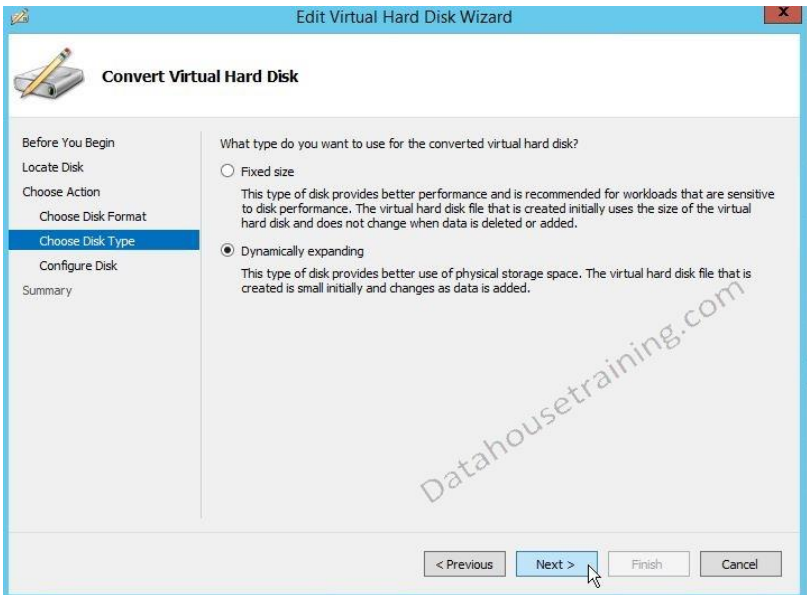
- ☐ **Compact**
This option compacts the file size of a virtual hard disk. The storage capacity of the virtual hard disk remains the same.
- ☒ **Convert**
This option converts a virtual hard disk by copying the contents to a new virtual hard disk. The new virtual hard disk can use a different type and format than the original virtual hard disk.
- ☐ **Expand**
This option expands the capacity of the virtual hard disk.

< Previous **Next >** Finish Cancel

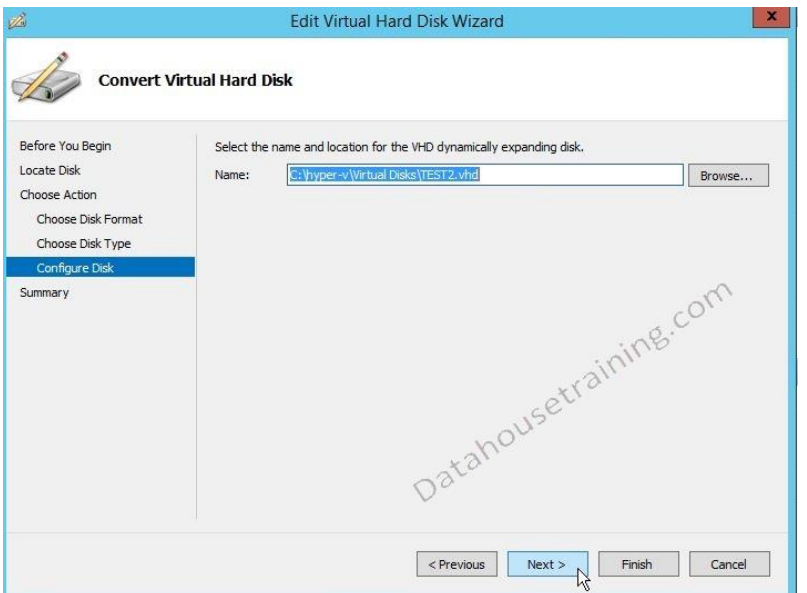
20-Choose Disk format alanında VHD'yi Seçin.



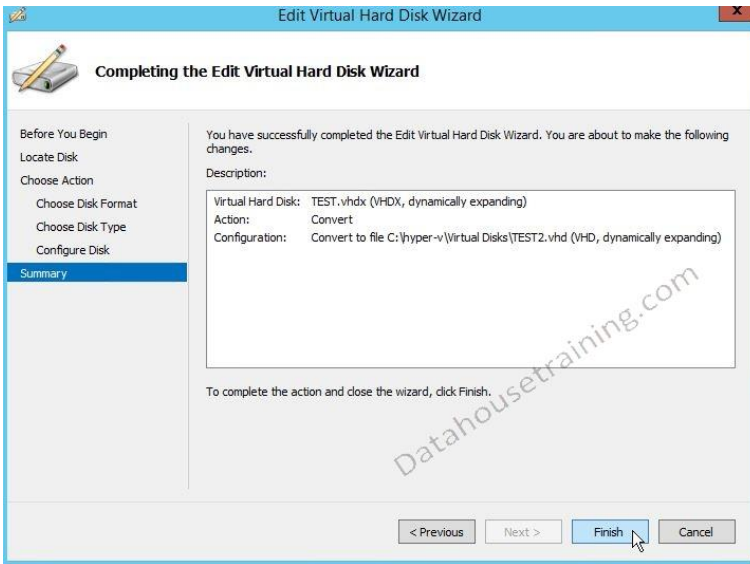
21-Choose Disk Type alanında Dynamically expanding alanını seçin Next'e Tıklayın.



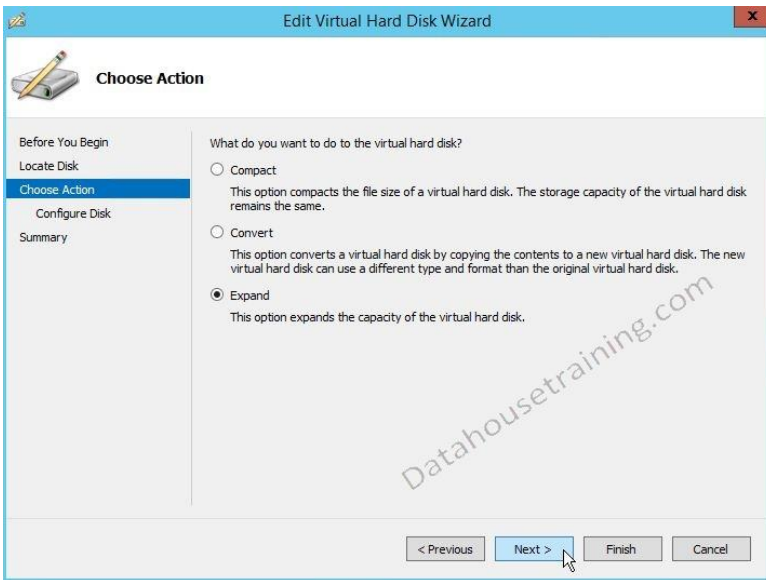
22-Configure Disk sayfasında dönüşüm sonrasında oluşacak disk kaydedeceğiniz klasörü seçin Next'e tıklayın.



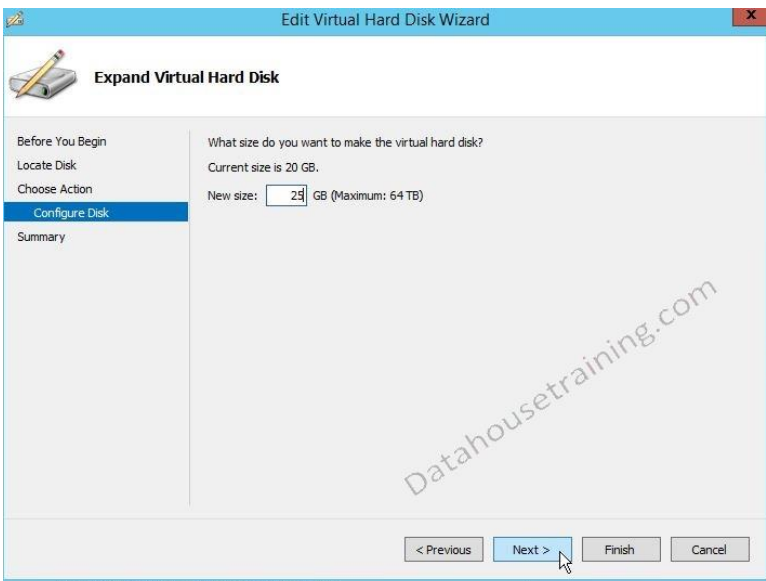
23-Summary sayfasında Finish'e tıklayarak işlemi tamamlayın.



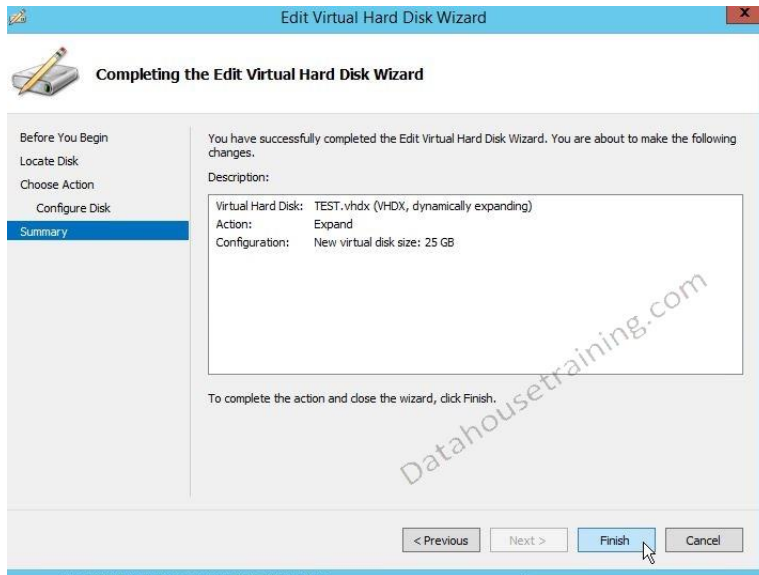
24-Expand işlemi için 14,15 ve 16. Adımı tekrarlayın. Choose actions sayfasında Expand'ı Seçip Next'e tıklayın.



25-Configure Disk sayfasında New Size alanında 25 GB yazın ve Next'e tıklayın.

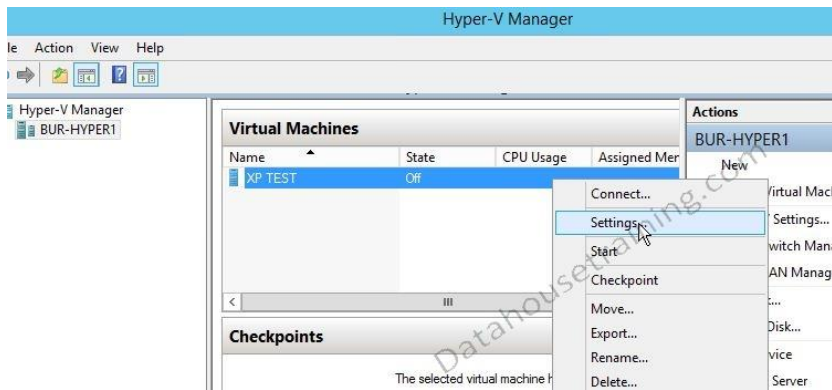


26- Summary Sayfasında Finish diyerek işlemi tamamlayın.

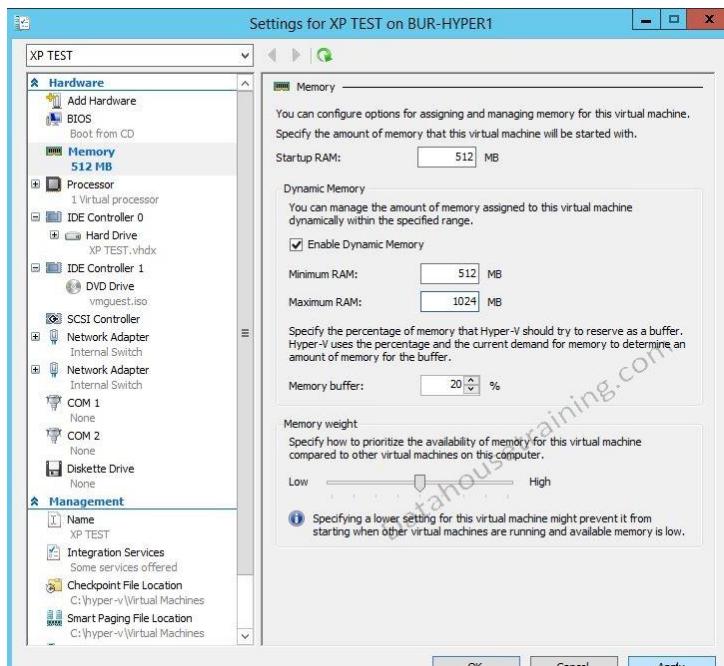


LAB6- DYNAMIC RAM VE NETWORK ADAPTER EKLEME,

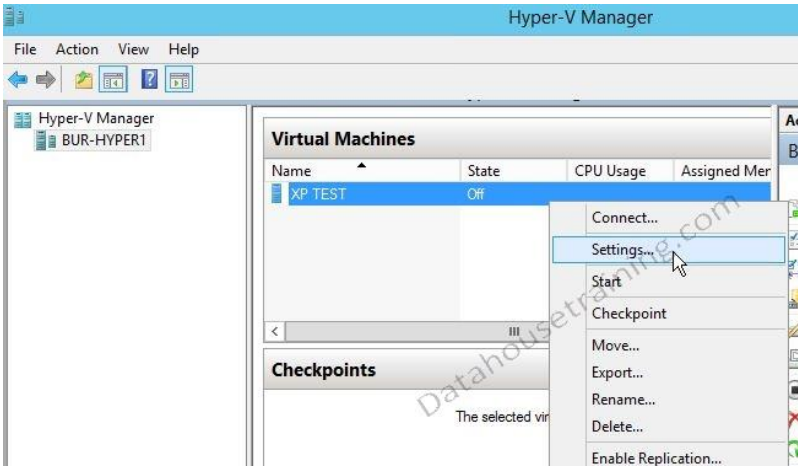
1-Değişken Ram eklemek için Virtual Machine üzerinde sağ tıklayın ve Settings'e tıklayın.



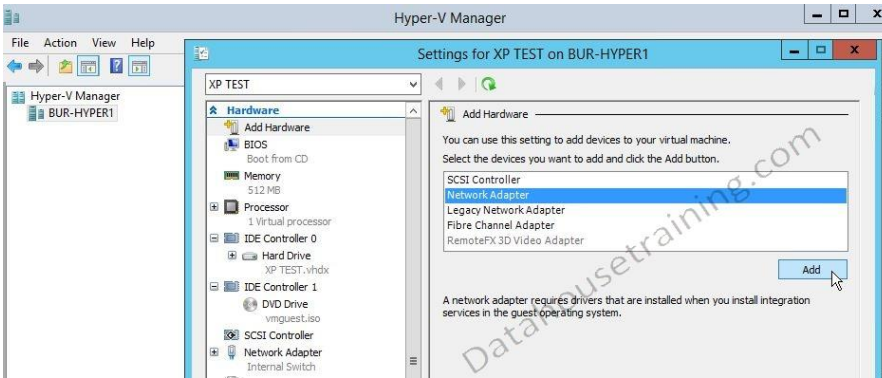
2-Soldaki Memory sayfasına tıklayın. Çıkan Memory ayarlarında Enable Dynamic Memory Kutucuğunu işaretleyin. Min:512, Max:1024 olarak giriş yapın ve apply'a tıklayın.



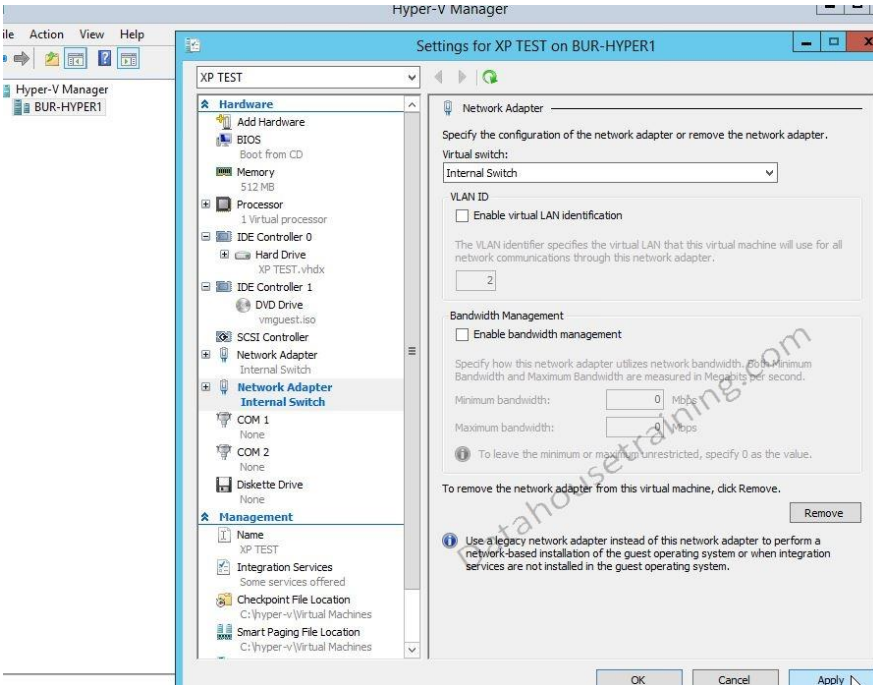
3-Network Adapter eklemek için Virtual Machine üzerinde sağ tıklayın ve Settings'e tıklayın.



4-Add Hardware sayfasına tıklayın. Sağ tarafta çıkan sayfada Network adapter'ı seçin ADD'e tıklayın.

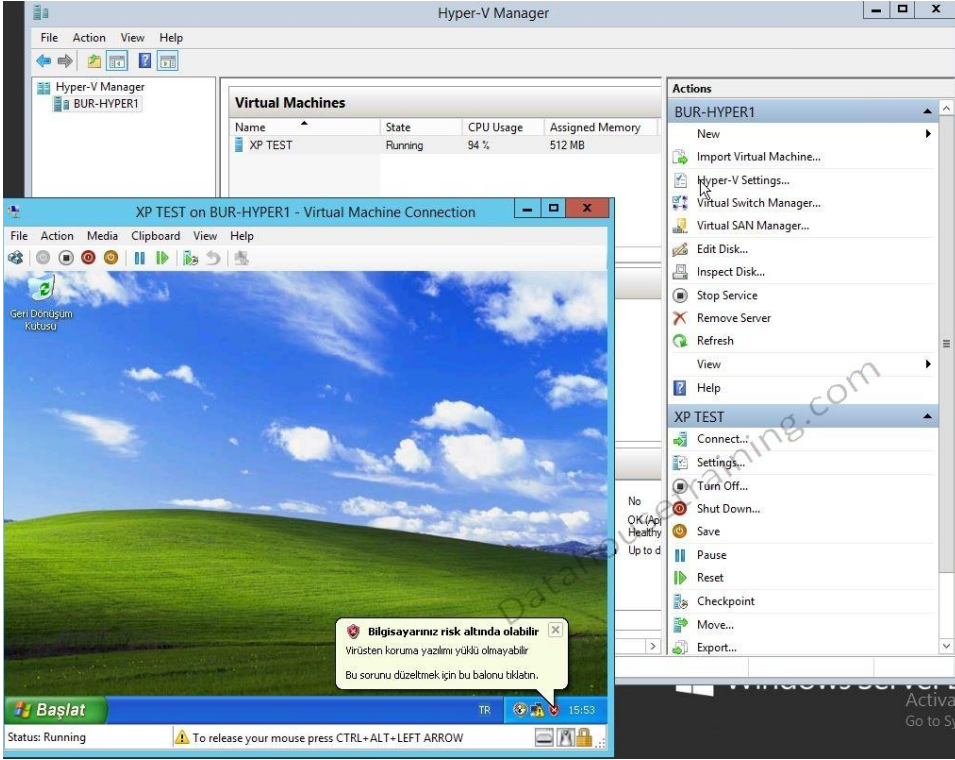


5-Açılan Network Adapter Setting alanında daha önceden oluşturduğumuz Internal Switchi Seçin ve Apply'a tıklayın.

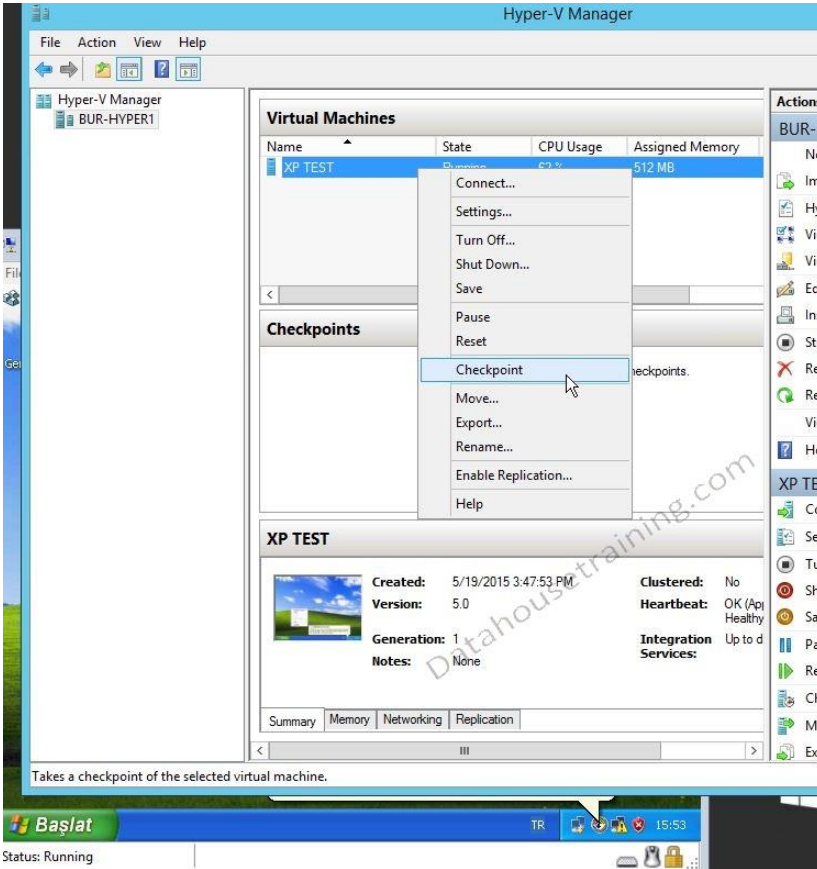


LAB7 – CHECKPOINT- SNAPSHOT İŞLEMİ

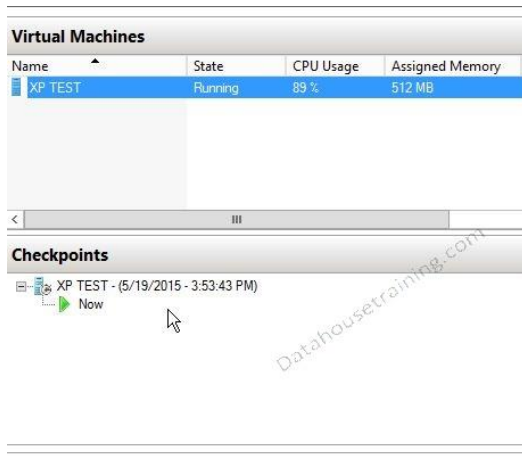
1-BUR-HYPER1 Makinanızda çalışan XP TEST makinanızın mevcut halini gözden geçirin.



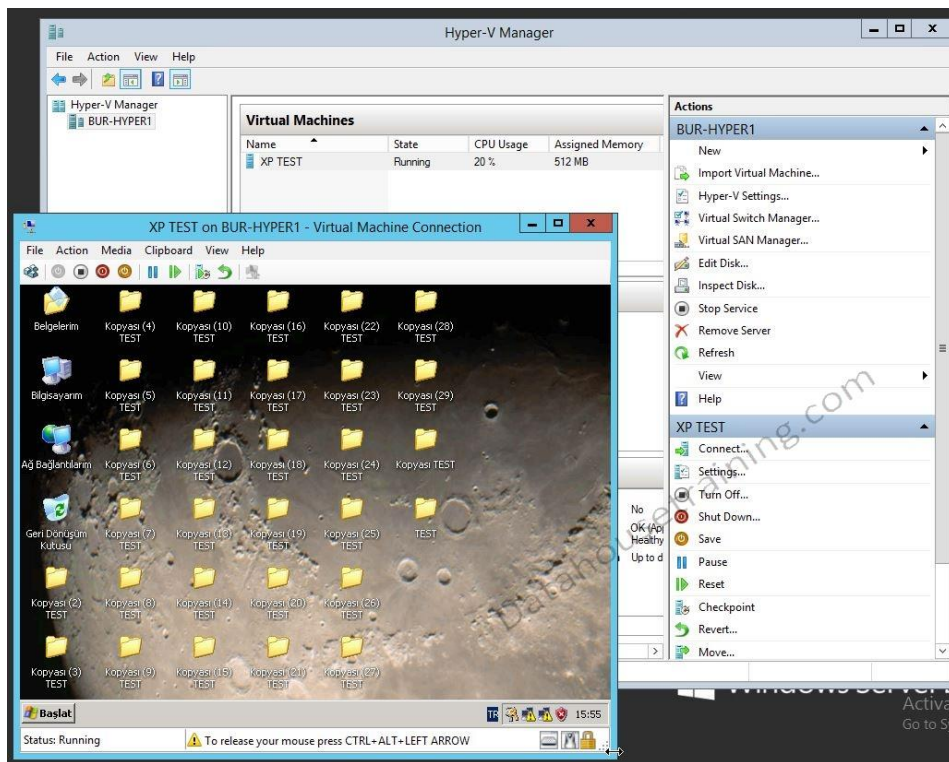
2-Hyper-V Managerda Sanal Makina üzerinde sağ tıklayın ve checkpoint'i tıklayın.



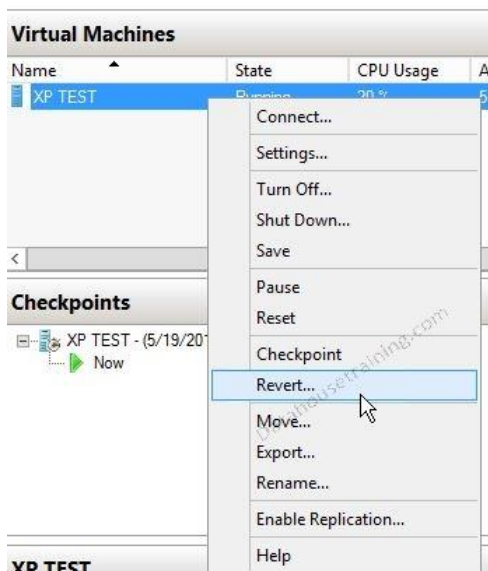
3-Snapshot işleminin tamamlandığını Checkpoint alanından onaylayabilirsiniz.



4-XP TEST makinamızda duvarkağıdı değiştirme,tema değiştirme ve masa üzerine klasör ekleme gibi değişiklikler yapıyoruz.



5- Hyper-V Managerda Sanal Makina üzerinde sağ tıklayın ve revert'e tıklayın.



6-işlem tamamlandığını XP TEST makinasının snapshot öncesine geldiğini kontrol edin.

