1. **Explain Type I Virtualization and Type II Virtualization:**
2. Type 1 Virtualization:
3. Type 2 Virtualization:
4. **Explain the Hyper-V Hardware limitations:**
5. ??
6. ??
7. ??
8. ??
9. **Explain the advantages and disadvantages of virtualizations:**

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| --- | --- |
| **Pros** | **Cons** |
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1. **Explain the difference between VHD and VHDX:**

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| **VHD** | **VHDX** |
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1. **Explain the advantages and disadvantages of dynamic memory:**

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| --- | --- |
| **Pros** | **Cons** |
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1. **What is the most important hardware resource on a Hyper-V server? Explain why?**
2. ??
3. ??
4. ??
5. ??
6. **Create a new VM, TestVM, using whatever resources you want to create. Don’t install an OS. Right-click on TestVM, select Settings and then BIOS. Explain the TestVM BIOS options. What are your options?**

??

1. **Right-click on TestVM, select Settings and then Processor. Explain the TestVM processor options. How many virtual processors are available to TestVM? Explain what each of the options mean:**
2. Number of virtual processors = ??
3. Virtual machine reserve (percentage) = ??
4. Percent of total system resources = ??
5. Virtual machine limit (percentage) = ??
6. Percent of total system resources = ??
7. Relative weight = ??
8. **For the Windows 7-1 VM:**
   1. **Change RAM to Dynamic memory (startup=2048, min=1024, max=4096, buffer=20%, weight=med-high) (screen-1)**
   2. **Increase the size of VHD to 50GB (screen-2)**

??

1. **Research Amazon Elastic and Microsoft Azure and tell me 5 things about each:**

|  |  |
| --- | --- |
| **Amazon Elastic Cloud Solution** | **Microsoft Azure Cloud Solution** |
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1. **Explain each of the following. Please a short description, over and above what acronym stands for (remember, this is the VM assignment):**
   1. **IaaS:** ??
   2. **PaaS:** ??
   3. **SaaS:** ??
   4. **DaaS:** ??