**Project #1 – Server Installation (Chp1 & 2)**

Windows Server 2012 R2 is available in Four Editions. Define the Editions and their features below:

|  |  |  |
| --- | --- | --- |
| **Editions** | **Supported Features** | **Unsupported Features** |
| **Datacenter** | Hyper-V, Unlimited VMs, 4TB of RAM, 64 CPUs, 64 Cluster Nodes |  |
| **Standard** | Same as Data Center | Limited to 2 VMs |
| **Essentials** | No CALs | Less than 25 Users |
| Foundation | No CALs | OEM Only, Less than 25 Users No Hyper-V |

**Define the 11 Server Roles in 2012 & Brief Description**

|  |  |
| --- | --- |
| **Role** | **Description** |
| Active Directory  Certificate Services | Creates and manages user certificates |
| AD Domain Services | Enables the domain controller role of the server |
| DHCP | Controls network configuration for connected devices. |
| DNS | Controls hostname resolution for internet computers |
| File & Storage Servieces | Controls shared storage between host and guest OSs |
| Hyper-V | A hypervisor that hosts and controls virtual machines. |
| Network Policy & Access Services | Controls access policies including authentication and authorization |
| Print Services | Hosts printers and directs clients based on recognizable names. |
| Remote Access | Remotely access a manage a server to which the admin may not have or need physical access. |
| Deployment | Expedite the process of installing uniformly configured windows installations across an organization |
|  |  |

**Name the 7 Features in Server 2012 & Brief Description**

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| --- | --- |
| **Features** | **Brief Description** |
| Failover Clustering | Cluster computer w/ backups to prevent outages in the event of failure |
| Group Policy | Minimalized GUI Includes Server manager, MMC and limited Control Panel |
| Hyper-V 3.0 | Advanced hypervisor host. |
| PowerShell | Windows command line interface w/ Scripting |
| Storage Spaces |  |
| ReFS |  |
|  |  |

**Describe the following Server 2012 Installation Options**

|  |  |
| --- | --- |
| **Option** | **Description** |
| Server Core | Command line or “Headless” server installation |
| Minimal Server Interface |  |
| Server with a GUI |  |

List the 4 Tasks you should perform immediately following Server Core Installation:



Please upload your completed assignment in moodle to receive credit.