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| **No** | **Issue** | **Challenge** | **Solution** |
| 1 | VM sprawl | Virtual machine left unmonitored across the enterprise. It can be difficult to rationalize, track and manage VM lifecycles manually. Unmanaged operating system and application licensing will lead to expose financial and legal penalties. Additional cost of operating system license, management tool and backup agent will be effected in order to create a VM. | * Develop policies for sprawl prevention * Lifecycle Management Tool consideration * VM Library Creation * VM achieve usage |
| 2 | Hypervisor Intrusion | Virtualization Based Malware. Blue Pill malware which cannot be detected using any integrity scanner, on the spot installation where is does not require any modification on the system file and does not required any I/O virtualization | * Install latest security patch provided by the vendor * provide Host based intrusion detection/prevention |
| 3 | Denial of Service | * The correct differentiation between legitimate and attack traffic. * Difficulty of distinguishing malicious requests. * Lack of attack information. | * An improperly configured hypervisor can allow a single virtual machine**.** * Current virtualization technologies offers to limit the resources allocated to the guests. * Configured properly the basic virtualization technology |
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