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| **Sr. no** | **Full Virtualization** | **Para Virtualization** |
| 1 | In Full virtualization, virtual machines permit the execution of the instructions with the running of unmodified OS in an entirely isolated way. | |  | | --- | | In paravirtualization, a virtual machine does not implement full isolation of OS but rather provides a different API which is utilized when OS is subjected to alteration. | |  | |
| 2 | Full Virtualization is less secure. | |  | | --- | | While the Paravirtualization is more secure than the Full Virtualization. | |  | |
| 3 | Full Virtualization uses binary translation and a direct approach as a technique for operations. | |  | | --- | | While Paravirtualization uses hypercalls at compile time for operations. | |  | |
| 4 | Full Virtualization is slow than paravirtualization in operation. | |  | | --- | | Paravirtualization is faster in operation as compared to full virtualization. | |  | |
| 5 | Full Virtualization is more portable and compatible. | |  | | --- | | Paravirtualization is less portable and compatible. | |  | |
| 6 | Examples of full virtualization are Microsoft and Parallels systems. | |  | | --- | | Examples of paravirtualization are Microsoft Hyper-V, Citrix Xen, etc. | |  | |
| 7 | It supports all guest operating systems without modification. | |  | | --- | | The guest operating system has to be modified and only a few operating systems support it. | |  | |
| 8 | The guest operating system will issue hardware calls. | |  | | --- | | Using the drivers, the guest operating system will directly communicate with the hypervisor. | |  | |
| 9 | It is less streamlined compared to para-virtualization. | |  | | --- | | It is more streamlined. | |  | |
| 10 | It provides the best isolation. | It provides less isolation compared to full virtualization. |