EPAM University Programs

DevOps external course

Module 2 Virtualization and Cloud Basic

TASK 2.1

1.   Які найпопулярніші гіпервізори використовуються для віртуалізації інфраструктури.

Answer: KVM(Kernel-Based Virtual Machine), Microsoft Hyper-V, Citrix XenServer, VMware ESX Server, RHEV(Red Hat Enterprise Virtualization). The most usable is Microsoft Hyper-V. Because Microsoft provides stable, reliable version of software for less price than opponents do. In my opinion, KVM is interesting too despite less stability and amount of bugs, cause its open source and it means that is fully free. That's why, this is good choose for an enthusiast.

2.   Стисло опишіть основні відмінності найпопулярніших гіпервізорів.

Answer:

-   KVM – the most popular open source hypervisor;
-   RHEV(Red Hat Enterprise Virtualization) – provides network bonding, VLAN, live migration. And they have Self Service user portal;
-   Citrix XenServer – provides distributed virtual switch, power management, live storage migration;
-   Microsoft Hyper-V – provides VM replication, Dynamic memory. Virtualization rights to run a specific number of Windows VMs without purchasing additional licenses.
-   VMware ESX Server – provides memory over commitment, fault tolerance for availability, host profiles, autodeploy, profile-driven storage, web-based management, site recovery manager.