

EC2

EC2, a virtual server service. A server with the desired feature and size can be rented. Then the desired operating system, server and applications are installed. IP, DNS and Firewall settings can be made.

Linux Amazon Machine Images use one of two types of virtualization: paravirtual (PV) or hardware virtual machine (HVM). The main differences between PV and HVM AMIs are the way in which they boot and whether they can take advantage of special hardware extensions (CPU, network, and storage) for better performance.

HVM

HVM (known as Hardware Virtual Machine) is the type of instance that mimics bare-metal server setup which provides better hardware isolation. HVM AMIs are presented with a fully virtualized set of hardware and boot by executing the master boot record of the root block device of your image. With this instance type, the OS can run directly on top of the Virtual Machine without additional configuration making it to look like it is running on a real physical server.

Unlike PV guests, HVM guests can take advantage of hardware extensions that provide fast access to the underlying hardware on the host system. Besides all current generation instance types support HVM AMIs.

Ferhat KAMALI

171805056