

Dedicated Hosts	Dedicated Instances
<p>An important difference between a Dedicated Host and a Dedicated instance is that a Dedicated Host gives you additional visibility and control over how instances are placed on a physical server, and you can consistently deploy your instances to the same physical server over time. As a result, Dedicated Hosts enable you to use your existing server-bound software licenses and address corporate compliance and regulatory requirements. AWS</p>	
Enables the use of dedicated physical servers	Enables the use of dedicated physical servers
Visibility of sockets, cores, host ID	Nope
Targeted instance placement	Nope
Dedicated Host - You pay for the entire physical server and can, in effect, run instances on it as you please.	Dedicated Instances - You pay for the instances, but they get placed on whatever dedicated hardware Amazon decides.
<p>On the flip side with a dedicated hardware, you pay for the hardware much in the same way you could pay for a leased server at a colo. You know exactly what the hardware is, you can run instances on it in the way you choose. You can leave overhead, or not. If you decide that instance X runs on your dedicated hardware, it will always run on that dedicated hardware in the way you've specified.</p>	<p>For example: Requesting a m4.large dedicated instance could end with your instance on a server exactly the size of an m4.large, so it'd be an old machine from years ago. Next time you reboot that instance it could be rebalanced onto new hardware. Maybe you have two dedicated instances that hammer the heck out of the RAM (making something up), they could end up on two different pieces of hardware or the same hardware.</p>
bring your own license" and compliance easier	Nope
<p>Each Dedicated Host must run the same instance type and instance size (no mixing and matching within a single Dedicated Host - not even different instance sizes of the same family)</p> <p>For example, if you are using the C3 instance family, you must pay hourly for an entire physical C3 host that can launch up to 16 c3.large instances, 8 c3.xlarge instances, etc. If you need to launch 17 c3.large instances, you need to pay for 2 entire Dedicated Hosts, and you will have 15 open slots on the 2nd host</p>	<p>You pay a flat fee of \$2/hour for each region in which at least 1 Dedicated instance is running (this fee is the same regardless if you have 1 Dedicated Instance or 1,000)</p> <p>You then pay hourly for each individual Dedicated Instance at a premium of around 10% from the cost of a shared, on-demand instance</p>
Use Dedicated Hosts for more visibility into the physical host for BYOL. You should also try Dedicated Hosts if your app requires minimal latency between instances	Use Dedicated Instances if you are only concerned with compliance with regulations
https://aws.amazon.com/ec2/dedicated-hosts/pricing/#on-demand	