All About Dedicated Web Hosting

Things you don't know about dedicated web hosting:

Here we've come together today to talk about what is dedicated web hosting? **dedicated web hosting** is a construct that you see a lot in the world of the cloud, but it's a little confusing. What does this dedicated web hosting thing actually mean? Why does it look like it's so expensive when you compare it to buying a dedicated instance or just a normal virtual server? And the answer is dedicated hosts are a way to provide single tenancy. Single tenancy means that no one else can run on the computer that you are running on. So, if we think about a physical cloud host, right, we've got our actual cloud server here. This is the actual host that runs in the data center. In a normal multitenant environment, we would take, and we would divide that host up into pieces, and every one of these pieces as a virtual server that you would buy. I'll just mark that as VSI. In a dedicated web hosting, we still have the same host, that same box that we were talking about before. But instead, this is your box, and you control all of the VSIs that are scheduled on to it. So instead of this being customer A, and this being customer B, and this being customer C, this is all yours. And so you can choose to divide it up however you want. You can have one-third of it go into one VSI and two-thirds go into another. You can divide it half and half, or you can put lots of little bitty ones on it. And so, the question, of course, always becomes, why would I do this, what is the value of **dedicated web hosting**? Why would I purchase this thing? And the answer is really twofold. First is that single tenancy that I mentioned before.

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Single tenancy means that you don't have to worry about anybody else being able to crash through the hypervisor layer within this host and get to your data. Even though it's already incredibly secured in the world of cloud, it's just one more layer of protection. This is very important for health care workloads, folks in banking and finance like that. But in addition to that single tenancy, it also allows you to schedule workloads that want to be close to each other, close to each other. So, if we think of our example here, where we've got two VSIs of the same size, let's imagine a high-performance compute workload, something that in the world of HPC, where you have lots of compute working on the same problem. In order to

minimize latency and maximize performance, you want to pack these onto as few physical hosts as possible because data transit through a physical host is much faster than data that goes across the network. If we think about our example over here, where we've got our multi-tenancy, and we've got multiple multitenant boxes, every one of these has to link together, and that link together takes time. There is a latency penalty that you pay. But in a **dedicated web server hosting** as we have over on this side because these all run on the same physical box, you don't incur that latency penalty, and you can order multiple dedicated web hostings in order to make that happen. Thank you so much for your time today. If you have any questions, please drop us a line below. If you want to see more **blogs** like this in the future, please visit our site and let us know.
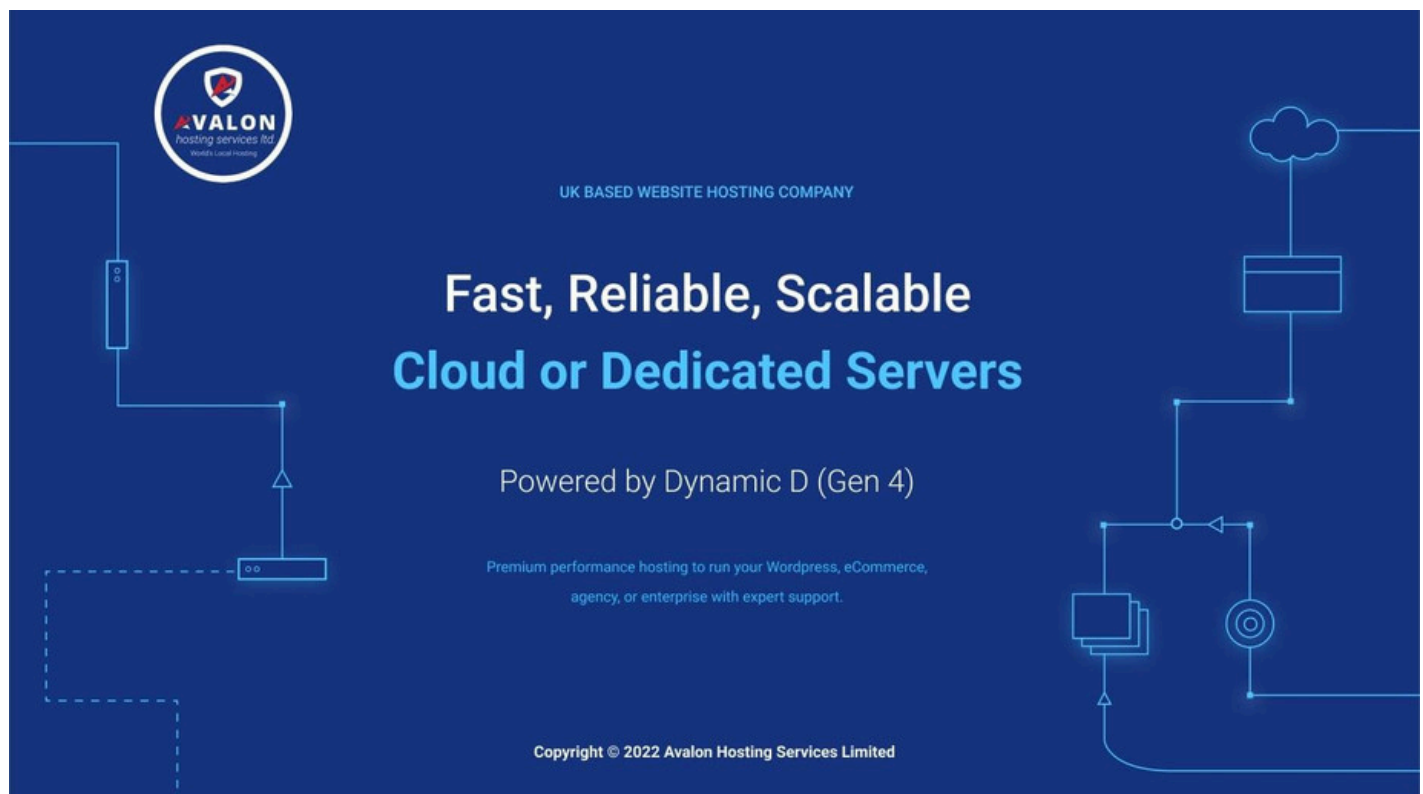
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