

An Introduction - ZNetLive's Hybrid Dedicated Servers

An Overview

Hybrid dedicated servers by ZNetLive are the next generation dedicated servers that combine the performance of dedicated servers with the flexibility and of cloud computing; thus combining guaranteed dedicated resources and unparalleled isolation with enhanced responsiveness, automation and scalability to give you an impressive all round performance at affordable prices.

Characteristics of Dedicated Servers

Hybrid dedicated servers come with dedicated Processor, RAM and HDD. Dedicated hard disks using industry-leading SAS technology provide you with complete isolation, security and reliability; and super low CPU server contention rates result in a high performance for power hungry applications.

Characteristics of Cloud Computing

Hybrid dedicated servers leverage our proprietary hybrid boosting technology through which server's deployment, migration and resource upgradation processes are completely automated and done within minutes. You hence get more control over your server, more options and flexibility with resources.

Comparative Analysis of Hybrid dedicated servers, Dedicated servers and VPSs

Each type of server has its own pros and cons, and the first step in choosing the right server for your website/application is a proper analysis of your own needs.

We have compared Hybrid dedicated servers, Dedicated servers and VPSs on factors such as flexibility, instant setup, Automatic migration, dedicated processor, dedicated RAM, dedicated HDD, RAID 1 Mirroring, price and support for I/O-intensive applications.

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Each server gets 1 point for pros, -1 point for cons and 0 points for neutral evaluation.

	VPS	Dedicated Server	Hybrid Dedicated Server
Flexibility	1	0	1
Setup Time	1 (6 hours)	0 (24 hours)	1 (4 hours)
Automatic Migration	1	0	1
Upgrade of Resources	1 (2 hours)	0 (24 hours)	1 (30 minutes)
Dedicated Processor	0	1	1
Dedicated RAM	0	1	1
Dedicated HDD	-1	1	1
Enterprise SATA	0	0	1
RAID 1 Mirroring	0	0	1
SSD Caching	1	1	1
Hybrid Boosting Technology	0	0	1
Price	-1	0	1
Support for I/O Sensitive Applications	-1	1	1
Further Virtualization	0	1	-1
Total	3	6	13

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As you can clearly see, hybrid dedicated servers score highest and check all the right factors. They have all VPS's and Dedicated server's pros: dedicated resources, flexibility, instant setup, automatic migration, support of I/O-intensive applications and everything at an extremely economical price.

Dedicated server gets second place, because of bigger price and lack of flexibility and automation.

The table, hence, clearly shows that Hybrid dedicated servers and dedicated servers are the best choice.

Why go for Hybrid Dedicated Servers?

- **Dedicated Enterprise Grade Hardware:** Complete isolation and guaranteed hardware resources - dedicated RAM, hard disk, processor and 1000 Mbps network connection - to ensure optimal performance and reliability. You hence get all of the dedicated server's power, bandwidth and storage, and don't share resources with others.
- **RAID 1 Mirroring:** Hybrid dedicated servers are set up with disk mirroring, so that in an unlikely event of disk failure, your servers continue to operate normally.
- **Enterprise SATA Hard Disks:** Hybrid dedicated servers come with high quality hardware, enterprise SATA hard disks and RAID 1 mirroring to provide you high performance environment for your website and applications.
- **SSD Caching:** Hybrid Dedicated servers use SSDs to keep a second copy of all of the most frequently accessed data on the server so that I/O performance of your website and application is dramatically increased.
- **Blazing Fast Performance:** ZNetLive's proprietary Hybrid-boosting technology combined with industry-leading SAS technology and super low CPU server contention rates ensure high performance for your websites and applications with super-fast I/O transfer rates and resilience.

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- **Quick Migration with Latest technology:** Our proprietary hybrid boosting technology can make your server portable and allows for quick migration of your server within minutes, including complete configuration, IPs and everything.
- **Quick Deployment:** Hybrid dedicated servers can be configured from the minutes. They can be delivered to you in as less as 4 hours. So no more waiting days for getting your server delivery!
- **Ease of Upgradation:** You can easily upgrade any resource, including, but not limited to bandwidth, storage and power of the server through a completely automated seamless process – which takes only few minutes.
- **Full Root Access and out of band console:** Root Access gives you complete control over your Hybrid dedicated server, and allows you to install anything you want. Quick installation, migration, upgradation and delivery hence allow you to manage your operations and systems in a better way.
- **Value for money:** Hybrid dedicated servers come at exceptionally low prices. You get completely dedicated resources, ease of migration and upgradation and all other added functionalities at very economical prices as compared to the dedicated servers.

Limitation of Hybrid Dedicated Server

The one and only limitation of Hybrid dedicated servers is that they cannot be virtualized any further. If you need any further virtualization on your dedicated server, you should go for dedicated server.

Who should go for Hybrid Dedicated Servers?

Hybrid Dedicated Servers offer high dedicated server performance and therefore offer great option for secure, I/O intensive, high-traffic, content heavy websites and applications, like:

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- Ecommerce websites
- Database servers
- Mail/data servers and internal applications
- File storage
- Large forums
- Media and video streaming
- Hosting clients' websites
- Cloud applications

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