

Dedicated servers are exclusively leased by dedicated hosting services to internet marketers and organizations without sharing these servers with other users. Hence, the client gets the sole usage of the dedicated servers and they can use the operating system of their choice, install additional hardware and applications, get full usage of the hard disk space and bandwidth, and naturally the internet connectivity and other web features also available without being shared with any other user.

Normally, the advanced and top-of-the-line dedicated web servers are housed in ultra-modern data centers and get the best web services like redundant power supply, mirroring facility, 100% uptime guarantee, regular backups and system maintenance, usages of HVAC supply, advanced networking facilities, security, and complete and round the clock monitoring by expert web technicians. The dedicated servers are also owned by the hosting service provider and are leased to the clients. The host normally provides add-on web services like the systems and technical support, and upgrades for the operating system and associated applications.

Although the dedicated web servers and associated services are expensive, the business owners and other clients opting for them get valuable quality web services and return on investments as these servers are chiefly used for commercial purposes. The operating system can be cost-free if open source operating systems like Linux and UNIX are used. Other commercial operating systems like Windows OS and Red Hat Enterprise (a commercial version of Linux OS) is chosen as the operating system by the client. The host offers the crucial services like getting latest updates and fixes to the core system like the kernel and application updates, security upgrades and patches, other types of important systems support to keep the server running without stoppages.

The fast data transfer rate, also called as bandwidth and the uninterrupted internet connectivity that provides visitors quality access to the websites are the chief features that any online business needs, and the dedicated web servers are the best suited for these purposes. The dedicated web servers also make available very high-powered networks from many service providers at very low prices. Normally, a 100% uptime is achieved with the help of dedicated servers due to the availability high web technology, better networking facilities through many connectivity vendors, excellent mirroring technology, and the constant monitoring by web experts.

The critically important server management support and tasks of the dedicated servers by efficient systems managers of the dedicated server hosting company can be procured by the

client at affordable rates. These additional services may include some free-of-cost but very important web services too. Tasks like server monitoring, applications monitoring, hardware monitoring, technical support, anti virus and other such important installations, firewall services, security and protection from intruders and hackers, backups and restores, database management and disaster recovery, configuration and tuning of systems, and consultations are some of the professional and important web tasks that can be best handled by the hosting company rather than by the client. To any business, these services are quite affordable too.

The server management support is divided into 3 main levels or categories:

- **Fully managed dedicated server support:**

The host monitors the server and updates the operating system and other hardware and software, manages reboots, maintenance and other important tasks. The client is not required to handle these critical issues.

- **Self managed dedicated server support:**

The web host offers to monitor the server on regular basis. Some maintenance tasks and updates are handled by the host. The client must handle some of the server specific tasks through his own company staff.

- **Unmanaged dedicated server support:**

The client handles all the important server related web tasks like the installations of operating system, upgrading software and hardware, applying security patches, and so on. Very little help in this regards is available through the web hosting company. The security of the network is provided by the web host for all these levels.

These are some of the best and professionally very important features available on dedicated servers. Finding the best dedicated hosting company and setting up your important websites on their top-quality dedicated servers would mean a long-term cost-effective online professional environment for your very important business websites.

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