

# Dedicated Server Hosting

## What is Dedicated Server Hosting?

GX Networks Dedicated Server Hosting is a secure outsourced hosting solution that provides an attractive alternative to the heavy investment necessary for the purchase of an in-house server, the IT resource to support it and the cost of additional leased line bandwidth.

## In Summary

- Ideal for businesses wanting to outsource hosting needs
- Industry leading Service Level Agreements
- Choice of Sun Solaris, Red Hat Linux or Microsoft Windows 2000
- Direct connection to the GX Networks network
- Guaranteed bandwidth with the ability to burst to 10Mbps
- Daily back-ups
- Short-term bandwidth upgrades available
- Option to keep complete control of the server or choose the fully-managed service
- Comprehensive Server Monitoring

## GX Networks Datacentres and Global IP Broadband Network

GX Networks datacentres are built to ensure resilience through the use of Uninterruptible Power Supplies (UPS) backed up by diesel generators with on and off-site fuel reserves. As the performance of both networking and server hardware can be seriously compromised by fluctuations in temperature and humidity levels, GX Networks climate control systems continuously monitor and adjust temperature and humidity levels within the datacentres to ensure the most suitable environmental conditions are maintained for server stability. Gas-based fire suppression equipment and 24-hour manned support and security provide the best physical environment to host your web presence.

All GX Networks datacentres are connected to our private IP broadband network covering North America and Europe. Delivering performance, reliability and security, the GX Networks network is engineered for low latency, low packet loss and high availability and throughput. Designed for business critical operations, our network comprises a mesh of redundantly engineered high-speed optical circuits that connect into numerous SuperPOPs throughout North America and Europe.

GX Networks has over 200 public and private peering arrangements with all the other large Internet backbones. Dedicated or private connections between our network and the peering partner's network means that you will benefit from packets to and from these networks reaching their end destination quickly and with minimal loss. As traffic is routed around congested public peering points, your web presence is guaranteed a connection with optimum throughput.

## The Solution

Take advantage of the GX Networks network, datacentres and hosting expertise with a dedicated server solution for your web hosting requirements. Choose from either Sun Solaris, Red Hat Linux or Microsoft Windows 2000 servers, available as a Managed Hardware Service or Managed Hardware and Software Service.

## Managed Hardware Option

GX Networks manages the hosting infrastructure that comprises of advanced server(s) provided by Sun or Compaq and dedicated access to our network. The servers have all been previously tested to ensure high availability and resilience. You have complete freedom to load any applications you desire, which allows a whole range of Internet-based services to be provided.

## Managed Hardware and Software Option

GX Networks manages the hosting infrastructure and dedicated network access as above, as well as layers of managed software to create a stable, secure, high-performance webserver. Simply and easily upload web pages (html, CGIs and ASPs, etc), free from the technical complexities of operating system administration and server configuration. GX Networks keeps control of the root access passwords and manages the applications running on the server.

## Sun Solaris Server

- Powerful, high performance web servers from Sun Microsystems based on the UltraSPARC™ processor technology and running Sun Solaris operating system
- Choice of Apache or Zeus web server software
- Choice of applications such as MySQL, PostgreSQL, Sendmail and Exim

## Microsoft Windows 2000 Server

- Compaq ProLiant server running the Microsoft Windows 2000 operating system
- Includes IIS version 5.0
- Windows Media Platform enabled
- Windows Terminal Services allow remote server management on the Managed Hardware service

## Linux Server

- Compaq ProLiant server running Red Hat Linux operating system
- Choice of Apache or Zeus web server software
- Choice of applications such as MySQL, PostgreSQL, Sendmail and Exim

## Disaster Recovery

GX Networks Dedicated Server Hosting comes complete with full weekly back-up of selected files plus daily back-up of incremental changes. GX Networks will restore specific files to your server on request.

## The GX Networks Difference

The strength of the network allows GX Networks to offer leading Service Level Agreements. GX Networks assigns an agreed Committed Information Rate (CIR), which guarantees a set level of bandwidth to your server. The bandwidth can then burst above this CIR for short periods of time if needed, but you are not charged extra for this. Unlike some hosting providers, GX Networks do not penalise you for the success of your site.

GX Networks Monitoring Services constantly feed server metrics to our dedicated hosting support team. They are on hand 24x7 to identify any issues that can effect server performance and take the appropriate action to ensure the continuity of the service. Additionally, server component utilisation and bandwidth are monitored, mapped and made securely available on-line, allowing you to effectively plan ahead.

Websites often undergo periods of particularly heavy usage, for example when you launch a new product, an advertising campaign takes place or during particular seasons or times of year. GX Networks offer short-term bandwidth upgrades to cope with these increases - meaning you only purchase extra bandwidth when you need it.

## Complementary Services

- Increase resilience, scalability and server power with GX Networks' intelligent load balancing solution for multi-server environments
- Secure your dedicated server with a fully managed firewall solution, based on WatchGuard™ security technology
- GX Networks has a full range of Internet access services, including dial, ISDN, xDSL and dedicated Internet connections



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