



## **Virtual Server Hosting information**

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## Overview: why virtual hosting service?

The Virtual Server Hosting Solution enables you to host an online application, a website or even an internal business system on exclusive hardware to a single client ensuring the software is isolated and run independently. Corporate business applications should be hosted in a fully managed, redundant and fault-tolerant environment. These applications should be connected directly into the fast, reliable internet cloud. Most importantly, clients have the advantage of guaranteed internet connectivity with fully managed Intdev services to ensure that their valuable business services are always available. The Intdev virtual server option includes comprehensive server monitoring, backups, firewalling and one-on-one support.

## Background

Intdev is an internet technology company providing affordable web hosting services on its own servers, enabling our clients to establish a successful presence on the internet. Our strength lies in our strong technology background, years of hosting expertise and approach to customer service. We host for prominent companies such as Sothebys Lew Geffen, Phumelela, Bytes Technologies, National Film and Video Foundation, SAP Marketing Bureau, the Municipality of Mbonambi amongst others.

## Virtual Server

A virtual private server is a method of partitioning a physical server computer into multiple servers so that each has the appearance and capabilities of running on its own dedicated machine. Each virtual server can run its own full-fledged operating system, and each server can be managed independently. **Intdev's** Virtual Server Hosting Solution enables the hosting of any server platform. A customer wanting to host an online application, a website or even an internal business system can leverage this solution to address these requirements. The Virtual Hosting Solution provides exclusive hardware to a single client ensuring the software is isolated and run independently. The **Intdev** solution is fully managed and includes comprehensive server monitoring, backups, firewalling and support.

Clients can host business critical online systems with peace of mind. The environment has high speed access to other local and international internet service providers. The data centre features a number of physical security measures to ensure access to the virtual servers are tightly controlled. A number of peripheral systems, integrated with a 24-hour helpdesk, are configured to provide services such as backups, hardware monitoring and web statistics. Leveraging the virtualised environment, **Intdev** is able to meet your unique requirements for application, databases, security, e-commerce hosting, and more.

## Virtual Server Partner

**Intdev**, in partnership with **Amazon EC2**, offers a highly flexible and managed virtual hosting solution. The massive compute power of the **Amazon EC2** cloud computing platform enables persistent storage and ultra high resource availability.

**Intdev** supports various operating systems in the cloud. We prepare, load, configure and manage these systems on your behalf, ensuring always available service.



Various advanced technologies are available in the **Amazon EC2** cloud. **We** configure these to provide your applications and services access to these technologies. Our team has great experience in supporting a wide array of technologies including email servers, database servers, message queues and custom services.



## Virtual Server Hosting

This new product is offered by Intdev using existing international hosting infrastructure that ensures top quality and a committed service level agreement from our partner. The solution is fully managed by **Intdev** with its superior client service.

## Pricing

There are a number of packages available, differentiated by the size of the server and the operating system:

| Instance type     | System detail  | EBS storage | Platform        |
|-------------------|--|-------------|-----------------|
| Standard Instance | 1.7 GB of memory, 1 virtual core,<br>Single 1.7 GHz Xeon, 160 GB storage | 10 GIG      | 32-bit platform |
| Large instance    | 7.5 GB of memory, 2 virtual cores,<br>Dual 1.7 GHz Xeon, 850 GB storage  | 50 GIG      | 64-bit platform |

## Linux instances

| Instance type     | Operating system    | Bandwidth | Once-off cost | Monthly cost |
|-------------------|---------------------|-----------|---------------|--------------|
| Standard Instance | Linux/Ubuntu/Fedora | 50 GIG    | R 500.00      | R 850.00     |
| Large instance    | Linux/Ubuntu/Fedora | 100 GIG   | R 500.00      | R 2 900.00   |

## Windows instances

| Instance type     | Operating system | Bandwidth | Once-off cost | Monthly cost |
|-------------------|------------------|-----------|---------------|--------------|
| Standard Instance | Windows 2003     | 50 GIG    | R 500.00      | R 1 350.00   |
| Large instance    | Windows 2003     | 100 GIG   | R 500.00      | R 5 050.00   |

Notes on the above:

- Prices exclude VAT and subject to a 12-month contract period
- Each server receives persisted storage in a secure EBS volume
- Each server receives one free static IP address with DNS name
- Full management access given to client after initial setup by Intdev

## Benefits

There are numerous benefits of hosting applications. The major advantages of this dedicated solution are listed here, describing both the physical facilities and the value added services.

**Delivery times** - The delivery of a hosted solution is not comparable to normal deployments, where projects often run into weeks or months. The platform presented here can be made available within a few working days depending on configuration requirements. Once the solution has been deployed, it is configured to provide 99% uptime.

**Cost savings** - The cost of purchasing servers and the licensing implications of commercial software can run into the hundreds of thousands of Rand. We provide the hardware and software for this solution giving an economy-of-scale model that limits costs as the requirements grow. This ensures there is no excessive capital expenditure on resources or unnecessary software.

**Technical personnel** - The technology and skills required to support these business critical systems are costly. Intdev provides a stable and secure hosting environment that is fully serviced. We tend to all technical requirements of the virtual hosting environment and ensure that it runs reliably.

**Application availability** – Our infrastructure has in the past achieved extremely high uptime and availability of our Windows 2000/2003 hosting environment. The hosting servers are redundant, highly resourced and capable of handling hundreds of requests.

**Network security** – The open nature of the internet brings many threats to hosted services. We provide a firewall and VPN concentrator to protect our infrastructure from outside attacks. This allows us to restrict access to particular services, and is used for administration and back-end access.

**Data security** – The physical data such as website content, images, databases and application specific information is secured using Windows Impersonal and Access Control. The server is configured to restrict website visitors and system users to limited content, protecting the system from malicious users or destructive software applications.

**Hardware monitoring** – Intdev will configure software agents that monitor performance of hard drives, CPU load, available memory and network utilisation.

**Easy accessibility** - You will have easy access to your dedicated server, allowing you full control to administer the server. This is achieved by a remote client such as terminal services from Microsoft.

**Centralised facility** - Services and data are stored centrally, making it easier to manage and upgrade your system. All data is backed-up daily and can be restored at any time. This ensures that the system data, external files and configurations are recoverable.

**Detailed web statistics** - Real-time reporting on websites hosted on the machine which provides excellent marketing information.

**Backup** - Automated back-up service with offsite storage (up to three months) is included in this solution.

## Additional information

### Bandwidth

Bandwidth is bundled into the lodging and leasing solutions. Additional bandwidth over the monthly allocated bandwidth will be charged additionally. Intdev has prepared these competitive bandwidth bundles to provide sufficient traffic for your dedicated solution:

| Item description | In-bundle / MB | In-bundle / GIG |
|------------------|----------------|-----------------|
| 1 GIG – 10 GIG   | R 0.020        | R 20.00         |
| 11 GIG – 20 GIG  | R 0.017        | R 17.00         |
| 20 GIG – 30 GIG  | R 0.015        | R 15.00         |
| 30 GIG – 50 GIG  | R 0.013        | R 13.00         |
| 50 GIG – 75 GIG  | R 0.011        | R 11.00         |
| 75 GIG – 100 GIG | R 0.010        | R 10.00         |
| 250 GIG+         | neg.           | neg.            |

All prices are quoted in ZAR, exclude VAT and are subject to Intdev's terms and conditions which are available on request and must be signed for account opening. Quoted prices are valid for 30 days.

Should the running of the platform require technical skills which go beyond the maintenance of the software package, these will be considered special requests. They require the time of a skilled individual, and technical support of this nature will be billed at an hourly rate. Technical support will be charged at R 450.00 per hour. If you have any queries or require further information about the quote please contact us on <email link for sales/Felix>.