With Ingram Micro Virtual Private Servers, you have a full-service Infrastructure as a Service (IaaS) solution that allows you or your customers to easily manage your own server-based solutions. Since it is a virtual solution, it is one level away from the physical hardware; this allows for quick and easy up-scaling to increase or decrease capacity at a moment's notice.

The virtual private servers (VPS) solution is based on Parallels Virtuozzo Containers and provisioned with a fully updated and patched operating system (OS), be it CentOS 6 or Ubuntu 12.04. Additionally, there are a number of control panel options available to help make the VPS easier to manage, including some of the most well-known and powerful solutions available on the market such as Parallels Plesk Panel, cPanel & WHM, and Webmin.

## The Virtuozzo Advantage

Parallels Virtuozzo Containers is an OS-level virtualization solution, designed for those that have outgrown shared hosting solutions but maybe don't require the resource-intensive features of a dedicated server or hypervisor VDS (virtual dedicated server). Virtuozzo strikes the perfect balance of cost effectiveness with flexibility, control and performance. The virtualized resources are flexible and provide optimal distribution, and the OS is shared, limiting software installation and hard-disk footprint.

Similar to a dedicated server, the core operating system is installed as the base software layer, before the virtualization layer. Virtuozzo is then installed into the OS, enabling the containerization of the server. Therefore, each VPS container doesn't run an entire OS; this allows resource sharing to go much further. And many resource upgrades can happen on-the-fly without any reboot, including hard disk, CPU and RAM upgrades.

## Linux OS

### CentOS 6

**C**ommunity **Ent**erprise **O**perating **S**ystem (CentOS) is the ideal choice for both stability and security. As a member of the Red Hat Enterprise Linux community, CentOS is the open source alternative for an enterprise-grade Linux based OS, and has been the community-supported distribution of Red Hat since 2004.

### CentOS VPS Technical Specifications*
- CentOS 6.x
- PHP support (4.x & 5.x)
- MySQL support (5.x)
- PostgreSQL
- phpMyAdmin/phpPgAdmin
- MySQL InnoDB support
- Apache 2.x
- CGI support
- Server Side Includes (SSI)

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- Python, mod_python support
- Perl (modperl) support
- Ruby on Rails support
- Curl support
- JSP & Servlet support
- FrontPage Server Extensions
- AwStats/Webalizer
- FTP support & Unlimited FTP accounts
- SSH access ROOT access
- Protected Directories
- OpenPGP/GPG Encryption
- Cron Jobs
- GD support; ImageMagick (through PHP extension)
- mod_rewrite & .htaccess
- PHP control
- Web File Manager
- Streaming video/audio support
- Flash & Shockwave support
- Custom DNS
- Reseller/sub-reseller support (requires cPanel/Plesk)
- MIME type management
- Custom 404 pages
- Hot link protection
- IP access manager
- Real Media audio & video support
- ffmpeg - support
- Zend Optimizer + ioncube support
- AJAX support: JavaScript, XML

*When installed with a control panel

## Ubuntu 12.04 LTS

We also offer Ubuntu, one of the most popular and widely known Linux distributions available today. Ubuntu is a Debian-based Linux OS and when it comes to commercial support and a consistent build cycle, Ubuntu is king. Combined with a powerful combination of package repositories and LTS, or long term support, Ubuntu is a powerful alternative.

### Ubuntu VPS Technical Specifications*
- Ubuntu 12.04 LTS
- PHP support (4.x & 5.x)
- PostgreSQL
- phpMyAdmin/phpPgAdmin
- MySQL InnoDB support
- Apache 2.x
- Python, mod_python support
- Perl (modperl) support
- JSP & Servlet support

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- AwStats/Webalizer
- FTP support & Unlimited FTP accounts
- SSH access ROOT access
- Protected Directories
- GD support; ImageMagick (through PHP extension)
- mod_rewrite & .htaccess PHP control
- Curl support
- Web File Manager
- Streaming video/audio support
- Flash & Shockwave support
- Custom DNS
- IP access manager
- AJAX support: JavaScript, XML

*When installed with a control panel

## LAMP

The LAMP solution stack is widely used, and Apache powers 37.6 percent of all websites—and 52.3 percent of all active websites—on the Internet today.[1] Add on MySQL and PostgreSQL, and now you have a database management system that can be used to power any number of applications or Web services. But it doesn't end there: Scripting languages PHP, Perl and Python offer the capabilities to build dynamically generated, database-driven solutions.

## Easy Management via Control Panels

Managing a bare-bones Linux server can be daunting for the uninitiated. That's why we offer a number of Web-based control-panel solutions that help ease the burden of managing a server through a graphical interface that reduces the learning curve. With one of our available options, a VPS can be managed almost entirely from the control panel—without ever jumping into a command line.

### Parallels Plesk Panel

Parallels Plesk Panel offers a wide array of flexibility and options that suit many different needs. Whether you're hosting a handful of sites or managing many, the license costs can scale; you offer affordability at the low end. Plesk also offers a number of additional add-ons for billing management, a power pack to extend the capabilities of the panel, and a Web presence builder as well as anti-virus solutions and language packages.

### cPanel & WHM

cPanel & WHM are arguably the most popular and widely used solutions for Web-hosting management today. Typically employed by shared Web-hosting providers, cPanel & WHM can also be deployed on a VPS container for easy management of a server. This provides a one-size-fits-all solution for server management with an interface that many are already familiar with. Also available on our cPanel-enabled virtual private servers are WHMCS, a powerful billing solution, Fantastico for easy installation of a huge catalog of applications, RVSkin for multi-language and custom branding, and RVSiteBuilder Pro.

### Webmin

Even our virtual private servers that don't include a control panel have a graphical option available in Webmin. Webmin offers an extremely lightweight Web-based Linux configuration tool. It allows Linux administrators to easily review and manage OS settings and configure applications and services. The Webmin interface has access to the configuration files on the server, so it's even aware of any configuration completed outside of the interface.

## VPS Is for …

Our virtual private server solutions are optimized for many different customer types, including developers, Web professionals and businesses. We have created a number of preset packages, or bundles, with these customer types in mind, providing these groups with exactly the tools they need. Following are some examples of our VPS bundle types.

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[1] http://news.netcraft.com/archives/2014/05/07/may-2014-web-server-survey.html

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## Developer VPS

Developers typically aren't looking for a control panel, so we exclude it from our Developer VPS bundles. This reduces the memory and disk space footprint on the virtual server. They're provided with the full LAMP stack, preinstalled, allowing them to get started right away with Web development projects. The developer then has an open playground to work on any project.

## WebPro VPS

Our WebPro package is primarily meant for customers who will be portioning their server into smaller slices and hosting many websites. The main examples for this scenario include a small Web-hosting business that wants to sell multiple hosting accounts downstream to their end customers, or a Web-design business that needs a server to develop websites and perhaps host some on the side. This bundle is powered by cPanel & WHM, one of the most popular Web-hosting automation panels available today. It also includes a number of complementary add-ons, including WHMCS for billing, Fantastico for easy installation of open-source packages, RVSiteBuilder Pro, and RVSkin for branding and multi-language.

## Business VPS

Many businesses need virtual servers to run customized applications or to enable a customized configuration. Our Business VPS package empowers the business to manage and maintain their custom application while Web-monitoring the server and ensuring updates and patches are applied and that the environment is kept safe and secure. The package also includes the Parallels Plesk Panel with a 10-domain license, allowing a business to host all its websites in one virtual server.

## Custom VPS

There's always the customer that doesn't fit into the mold, or requires some custom configuration or setup, which is why we offer Custom VPS packages. This option allows for mix-and-match scenarios to build a personalized, customized experience.

# Additional Software and Options

## Manual and Scheduled Backups

Disaster recovery backups are included as a standard feature with all of our virtual private server packages. However, we recommend additional backup capabilities for those running mission-critical applications, solutions or websites on their server. We offer an array of options, including manual backups for users desiring on-demand control of when snapshots are taken, or scheduled backups available on a daily or weekly basis. Users can take full or differential backups of their server and restore backups on demand when the need arises.

## VPN for VPS

One of the common use-cases emerging for virtual private servers (VPS) is as a VPN server. There are many different VPN solution providers in the market today, but installing VPN applications on a VPS allows you full control over your experience and supports multi-user scenarios without any additional costs. We have built our own custom integration for both OpenVPN and PPTP, allowing users to install the package quickly and easily; they can configure users within a

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simple interface. All of these tasks can be completed within minutes and users can connect through desktop computers, smartphones and tablets to the VPN server.

## Architecture and Technical Specifications

### CPU
Dual Intel Xeon Processor E5-2650L v2 (25M Cache, 1.70 GHz)

### RAM
Dual In-Line Memory Module @ 1866 MHz 2Rx4 4G DDR3 R

### RAID
RAID 10 with 15,000 RPM SAS hard drives

### Network
Dedicated iDRAC

### Data Center
Hosted in our SAE 16 and SOC 1 Data Center located in Dallas, Texas. The facility adheres to Tier III standards as set by the Uptime Institute.

## The Benefits of the New Ingram Micro Platform

**Automation** is an attribute that's often taken for granted, but there are still many manual processes that help drive service delivery. Our goal is to automate as much of the service lifecycle as possible. This means that new services like Hosted Exchange, Virtual Private Servers and Web Hosting can be deployed and configured within minutes, with little or no manual intervention. Once the solution is provisioned and the services are up and running, any additional changes or modifications can be implemented instantaneously through the automation systems that are in place. Since fast provisioning is conducive to happy customers, we view the provisioning process as an integral part of our services. The provisioning process should be the first of many pleasurable experiences as an Ingram Micro client.

A **self-service** system enables Ingram Micro resellers to manage their own experience, as well as their customer's experience, through a single management interface. All services and subscriptions for multiple customers can be managed from one central platform. Resellers can manage their customer's solutions for them or, alternatively, extend the interface to competent customers that desire self-manageability. In short, one interface grants resellers different levels of involvement for their own—and their customer's—experience.

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