



# Wholesale Market

## Basic Virtual Server

Your Cloud Server for 5 euros per month



# Basic Virtual Server

The Basic Virtual service is the entry-level service for customers wishing to use TIM's cloud computing. A Virtual Machine with no Internet bandwidth limits and pre-installed templates with the most commonly used software.

## Service features

Assurance

Trouble ticket resolution time within 8 hr working time.

## Who is it for?

The service is for Operators who wish, for themselves or for their customers, to migrate some applications (even critical ones) to the Cloud while keeping the data residence in Italy, in TIM Data Centres.

## Acronis Suite service description

With Basic Virtual Server service, you can move from having a server for applications and information management to using computing and storage resources in the Cloud, which are nevertheless dedicated and can deliver the same features as traditional servers.

The advantages of this model are:

- the company does not purchase servers, thus reducing upfront and operating/maintenance costs;
- the continuous technological evolution and obsolescence of hardware is no longer a problem for the company;
- solutions that are much less rigid and scalable according to the company's actual computational needs.

A 'Virtual Server' is a set of logical resources installed on shared technological platforms (Server Farms) that can reproduce exactly the same environment as a physical server. The virtualisation technologies used can provide the processing capacity required by the applications with maximum reliability and security.

In addition, virtualised environments offer scalability of resources and variable dimensions that can be configured in real-time with self-service management tools that the customer can use directly. The servers provided as part of the service are virtualised in TIM Data Centres and can be reached via the public network (Internet).

It is possible to:

- add/deactivate at any time, in self provisioning, realtime, resources and functionalities.
- choose the server pre-configured with the most popular free applications that are normally used to create web server solutions, monitoring, mail server, etc., an important new feature that provides this service;
- choose - exclusively in the case of the PLUS profile - the pre-installation of the Plesk Panel to manage web domains (Web Admin - up to 10 domains) for an additional fee.



Learn more at [www.wholesale.telecomitalia.com](http://www.wholesale.telecomitalia.com)

# Basic Virtual Server

## Functionality and features

The Virtual Servers are based on **VPS (Virtual Private Server) - Container** virtualisation techniques. The architecture is Intel X86-64 **with Linux operating system**.

Each virtual machine is completely isolated from the others and is managed by a virtualisation system called **Server Director**, which optimises the use of the single kernel installed on the physical machine, enabling optimised and high-performance management of resources. Virtual Servers are equipped by default with a public IP address that the Cloud Platform automatically assigns.

The processing resources provided are essentially: Processor, Ram and Storage. The connection to the server is via Internet connectivity. The speed of access to the Data Centre is 100Mbit/s; one or more dedicated public IP addresses may be acquired. Using the configurator, you can choose the profile, any additional resources and the application stack of interest to create application server, web server, monitoring, etc. solutions.

As far as security aspects are concerned, the protection of virtual machines is by Network firewalls. The Platform is monitored through state-of-the-art proactive systems supervised by the TIM Control Room, which is responsible for the security and invulnerability of TIM's Data Centres.

The Applicant accesses its Virtual Servers as an Administrator User (root) via SSH protocol (the supported OS being Linux).

The cloud environment is managed using a 'Customer Control Panel (CCP)' web console dedicated to the applicant and accessible via encrypted protocol (https) from the Public Internet Network. It is therefore sufficient to have any form of Internet access.

## Areas of use

This profile is ideal for basic web presence, application and monitoring needs, particularly for portals or websites of medium complexity and capable of delivering:

- web applications based on standard CMS (e.g. Drupal) or make including the necessary backend components (DBMS MySql, PostgreSQL, Tomcat, etc. these applications are optionally supplied pre-installed on the server);
- mail services supporting standard protocols (POP3, SMTP, Imap); server with pre-installed SMTP mail system is optionally provided
- other applications not directly interdependent with the operating system kernel.



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## Server types

The Virtual Servers of the Standard Virtual Server service have the following characteristics:

- **OACI control panel** accessed via the Customer Control Panel (CCP), which allows management of the virtual server (start-up, reset, change of password, etc.) and display/monitoring of associated resources.
- **Reachability from the public network** via a dedicated public IP address.
- **SSH 'root' access** for Linux with Internet type connectivity at 100 Mb/s speed (in Data Centre)
- **Automatic weekly backup** (OPTIONAL): the first copy is made a few hours after activation, the next copy will be made a week later at the same time.

## Available application stacks

During the initial server configuration phase, it is possible to choose to pre-install on the server, in addition to the operating system (mainly CentOS), one of the application stacks from a predefined list:

SO Applicativo	Descrizione e compatibilità coi profili	Pricing
CentOS (7)	Solo sistema operativo Linux	free
CentOS LAMP	CentOS Apache MySql php phpMyadmin	free
CentOS MySQL	In aggiunta al s.o. - Software RDBMS	free
CentOS Plesk 12.5 Web Admin	In aggiunta al s.o. -Pannello di controllo Plesk con domain hosting fino a 10 domini di II^ Livello, si basa su un'interfaccia grafica semplice ed intuitiva per l'amministrazione del web hosting. <b>Solo per i server Plus</b>	5 €/mese
CentOS JBoss	In aggiunta al s.o. -JBoss: Java Application Server	free
CentOS Drupal	In aggiunta al s.o. -Drupal: Software CMS (Content anagement System)	free
CentOS Pandora FMS	In aggiunta al s.o. -Pandora FMS: Software di monitoring delle reti	free
CentOS PostgreSQL	In aggiunta al s.o. -PostgreSQL: DBMS (Data Base Monitoring System) ad oggetti	free
CentOS Tomcat	In aggiunta al s.o. -Tomcat: Apache Web Server piattaforma software per l'esecuzione di applicazioni Web sviluppate in linguaggio Java.	free
CentOS Zabbix	In aggiunta al s.o. - Zabbix: Software per monitoraggio di rete e sistemi informativi	free
CentOS Postfix	In aggiunta al s.o. -Postfix: Mail Transfer Agent (MTA) - sistema di trasferimento della posta SMTP	free
Open Suse (13.2)	Sistema operativo Linux	free
Ubuntu (16.04)	Sistema operativo Linux	free
Ubuntu Plesk 17.8 Web Admin	In aggiunta al s.o. -Pannello di controllo Plesk con domain hosting fino a 10 domini di II^ Livello, si basa su un'interfaccia grafica semplice ed intuitiva per l'amministrazione del web hosting. <b>Solo per i server Plus</b>	5 €/mese
Debian (8.0)	Sistema operativo Linux	free
Debian Plesk 12.5 Web Admin	In aggiunta al s.o. -Pannello di controllo Plesk con domain hosting fino a 10 domini di II^ Livello, si basa su un'interfaccia grafica semplice ed intuitiva per l'amministrazione del web hosting. <b>Solo per i server Plus</b>	5 €/mese

Il servizio è fornito in modalità unmanaged: TIM non può fornire assistenza sulle configurazioni software del server, su problematiche legate alla gestione sistemica del server; anche l'obsolescenza del software installato sui virtual server è a carico del Cliente.



# Basic Virtual Server

## Rating data

The following data is a measure of average behaviour on the Platform and is therefore not contractually binding:

- Average time to accept the request for intervention: 4 working hours.
- Average recovery time: 8 working hours.

The reliability of the delivery platform and thus of the service: 99.98%.

Those cases in which the Applicant makes changes to the network configurations of its Virtual Servers are excluded from the statistics. Such changes are absolutely inadvisable as they jeopardise the remote accessibility of the Virtual Server and the consequent usability of the Service.

## Purchase

**If you want to buy the service for yourself or become a reseller:**

- access the [WholesaleDigitalStore](#) site
- fill in the [form online](#)

**If you are already our customer**, you can easily purchase the service by accessing the Wholesale Cloud Automation platform.

## Regulatory Conditions

The offer is for Operators holding individual licences or general authorisations for telecommunications networks and services for public use which existed before the entry into force of Legislative Decree No. 259 of 1 August 2003 on the 'Electronic Communications Code' (referred to in Art. 38 of the Code), as last amended by Italian Legislative Decree no. 70 of 28 May 2012, and companies holding a general authorisation for electronic communications networks and services pursuant to article 25 of legislative decree no. 259 of 1 August 2003, as last amended by Italian Legislative Decree no. 70 of 28 May 2012.





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