

# System Requirements

## Hardware requirements

For a single-server setup, we recommend a SGI/Rackable Server configured as follows:

- CPU Intel/AMD Pentium III 2 GHz (minimum)
- RAM 1 Gb per core for IVR, 2 Gb per core for IVVR
- HDD/SSD 16 Gb (minimum)
- Motherboard with 533MHz/800MHz system bus support
- Ethernet Network board (with Mac Address)
- TDM Digium E1/T1 or any other Asterisk compatible board

Make sure that your servers are installed and equipped with all the required hardware.

| CPU      | IVVR server | IVR server |
|----------|-------------|------------|
| 2x cores | 30 ports    | 60 ports   |
| 4x cores | 60 ports    | 120 ports  |
| 8x cores | 120 ports   | 240 ports  |

Please check that other hardware installed on your server (such as network adapter, RAID controller, etc.) is supported by the Linux distribution that you use.

## Software requirements

The Vxi VoiceXML browser runs on most modern Linux Operating Systems (Debian, CentOS, Ubuntu, Redhat, Mandrake, Suse, Fedora, etc). However, it may be difficult for a novice system administrator to install and configure the operating system to meet all of the requirements and provide the best performance. Installing all the software could also prove to be a time-consuming task. We provide a seamless way to perform a complete server installation from scratch, in less than 15 minutes. The installation uses tar.gz packages and bash scripts.

Vxi binaries packages are available the following Linux Master distributions:

- Debian 6, 7 - <http://www.debian.org>
- CentOS 5, 6 - <http://www.centos.org>

Other compliant Linux distributions:

| Distribution | Package | Website   |
|--------------|---------|---|
| Ubuntu       | Debian  | <a href="http://www.ubuntu.com">http://www.ubuntu.com</a>       |
| Redhat       | CentOS  | <a href="http://www.redhat.com">http://www.redhat.com</a>       |
| Fedora       | CentOS  | <a href="http://fedoraproject.org">http://fedoraproject.org</a> |
| Suse         | Debian  | <a href="http://www.opensuse.org">http://www.opensuse.org</a>   |
| Mandrake     | CentOS  | <a href="http://www.mandriva.com">http://www.mandriva.com</a>   |

Vxi uses Debian distribution to generate all packages provided. Most packages built are specifically configured by default for this Linux OS.

There are two available versions of our packages:

- “32bit i686” package, compiled with GCC 4.x
- “64bit i686” package, compiled with GCC 4.x

Disable the SELinux. It can lock the library loading.  
You can use '/usr/sbin/setenforce 0' before launching the Vxi VoiceXML browser.

## Vxi on a Virtual Environnement

You can install and run Vxi on a virtual machine for any production, development and testing system.

Vxi has been successfully tested over:

- VMware
- Amazon EC2
- Proxmox

Vxi requires a significant amount of system resources and virtualization can reduce system performance when running in a virtual environment. We recommend to run voice recognition and text-to-speech on a separate server because they are very CPU-intensive and require real-time system resources and RAM, along with any audio or media requirements of a caller session, such as dialog prompts or playing of pre-recorded audio file.

Depending on the virtual environment management, there can be issues with using cloned images, virtual network stacks, installation issues, and licensing problems.

From: <https://wiki.voximal.com/> - **Voximal documentation**

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