

AI-02028 Oracle VM Service

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Explain the Oracle Free Tier VM Service. How to get started and is it really free. Can I run a developer Ubuntu Server, Apache, MySQL, PHP to test OpenEMR? Will I be able to test OpenEMR anywhere in the world?

Absolutely, Rigel—Oracle's Free Tier VM Service is surprisingly robust for developers like you who want to test full-stack applications like OpenEMR. Let's break it down into digestible mission protocol steps:

What Is Oracle Free Tier VM Service?

Oracle Cloud Infrastructure (OCI) offers a Free Tier that includes:

- Always Free Resources: These are available indefinitely, not just for 12 months like some other providers.
 - 30-Day Trial Credits: \$300 in cloud credits to explore premium services.

The Always Free tier includes:

- 🧠 2 AMD-based VMs (1/8 OCPU, 1 GB RAM each)
- 🦾 4 Arm-based Ampere A1 VMs (up to 4 cores, 24 GB RAM total)
- 🗄️ 200 GB block storage
- 🌐 10 TB outbound data transfer per month
- 🗃️ 2 Autonomous Databases (20 GB each)
- 🚚 Load balancer, object storage, monitoring, and more A B C

How to Get Started (Step-by-Step)

1. Sign Up
 - Go to Oracle Cloud Free Tier
 - Provide email, phone, and a credit card (for identity verification only—no charges unless you upgrade) D

2. Create a VM Instance• Choose Ubuntu Server (e.g., Ubuntu 22.04)
 - Select an Always Free eligible shape (AMD or Ampere A1)
 - Configure SSH keys for secure access
 - Assign a public IP for global access
 - Set up firewall rules to allow HTTP, HTTPS, and SSH E F
3. Install Your Stack• Apache: `sudo apt install apache2`
 - MySQL: `sudo apt install mysql-server`
 - PHP: `sudo apt install php libapache2-mod-php php-mysql`
 - OpenEMR: Download and configure from [OpenEMR.org](https://openemr.org)
 - You can follow Oracle’s tutorial for Apache and PHP on Ubuntu to get started.

Can You Access It Globally?

Yes! Once your VM has a public IP and you’ve configured the ingress rules (firewall), your OpenEMR instance will be accessible from anywhere in the world. You can even enable IPv6 for broader compatibility with mobile networks G.

Is It Really Free?

Yes—with caveats:

- Always Free resources are truly free as long as you stay within limits.
 - Idle VMs may be reclaimed, so keep them active.
 - Outbound bandwidth is capped, but 10 TB/month is generous.
 - No GPU access or high-performance shapes unless you upgrade B

Can You Run OpenEMR?

Absolutely. OpenEMR runs on the LAMP stack (Linux, Apache, MySQL, PHP), and Oracle’s Free Tier supports all of these. You’ll want to:

- Use an Ampere A1 VM for better performance (up to 24 GB RAM)
 - Configure your MySQL and PHP settings to match OpenEMR’s requirements
 - Secure your instance with SSL and firewall rules

Would you like a tailored checklist or deployment script for your Mission Manual? I can help you build a resilient, reproducible protocol for OpenEMR testing.