

VOVIDA.ORG



VOCAL System Requirements and Scalability



System Recommendations

The recommended hardware system to support the VOCAL system is:

- **700 MHz, Pentium III Intel based PC.**
- **512 MB RAM.**
- **1 GB Hard disk space.**

Feature Servers require 10KB of RAM per provisioned user.

Software Requirements

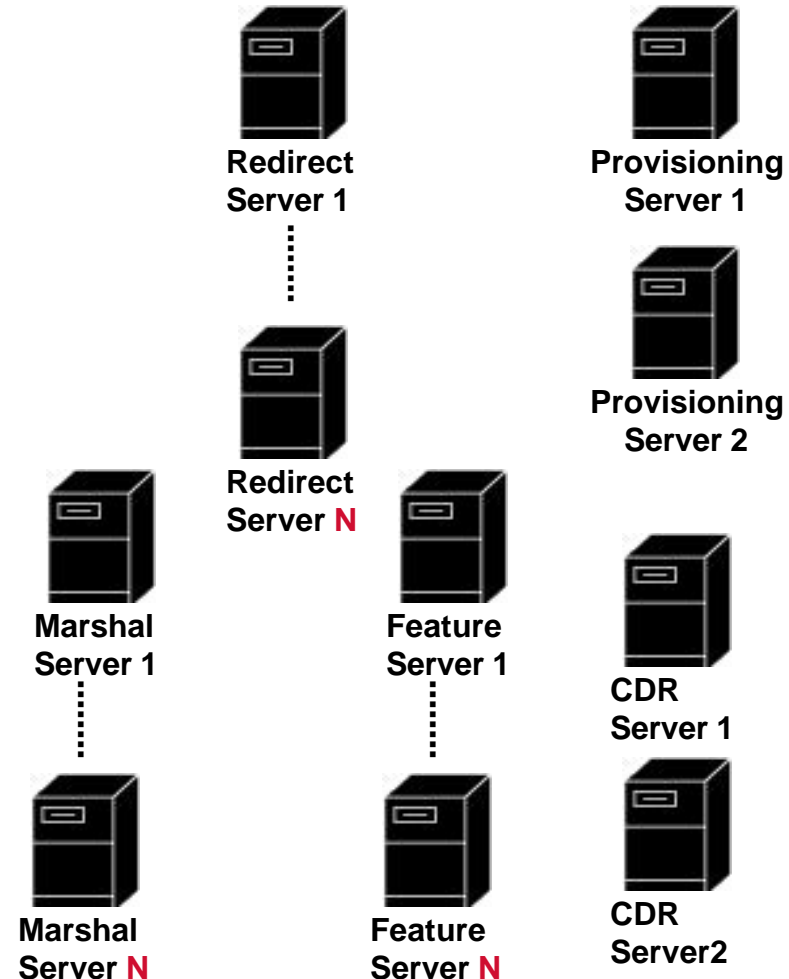
The following software should be installed:

- **Linux Red Hat Version 6.2 or later.**
- **Apache Server.**
- **JDK 1.2.**
- **Java 2 Runtime Environment Plugin (on client workstation only).**
- **Netscape Navigator browser (on client workstation only).**

Redundancy

VOCAL supports:

- Multiple Redirect, Marshal, and Feature Servers.
- Maximum of two Provisioning Servers.
- Maximum of two CDR Servers.



Redundancy and Scalability (1)

Marshal Servers & Feature Servers:

- **Multiple Marshal Servers and Feature Servers can exist in a VOCAL system.**

Redirect Servers:

- **Multiple Redirect servers can exist in a VOCAL system.**
- **Each Redirect server contains the same information and registration information is shared between the Redirect servers.**

Call Detail Record Servers:

- **A maximum of two CDR servers can exist in a VOCAL system.**
- **Marshal servers will send billing data to both primary and secondary CDR servers.**

Redundancy and Scalability (2)

Provisioning Servers:

- A maximum of two Provisioning servers can exist in a VOCAL system.
- If two Provisioning server exist in a VOCAL system, information saved on provisioning server is shared with the other provisioning server.
- The Provisioning servers will synchronize information periodically.

Sample Configuration

Server Types	8 Servers	14 Servers	26 Servers
Redirect Server	1	2	5
Feature Server	1	2	5
Marshal Server	2	4	10
Call Detail Record Server	1	2	2
Provisioning Server	1	2	2
Policy Server	1	1	1
Provisioning GUI	1	1	1
Capacity			
Call Attempts Per Second	10	20	50
Busy Hour Call Attempts	36000	72000	180000

End of Module

**This is the end of the
VOCAL System
Requirement and
Scalability training
module.**

**For additional training
and documentation
visit us at
www.vovida.org.**

