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ASTi

Voisus Server

Quick Start Guide

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Product Name: Voisus Server

ASTi Voisus Server Quick Start Guide

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1.0. Introduction

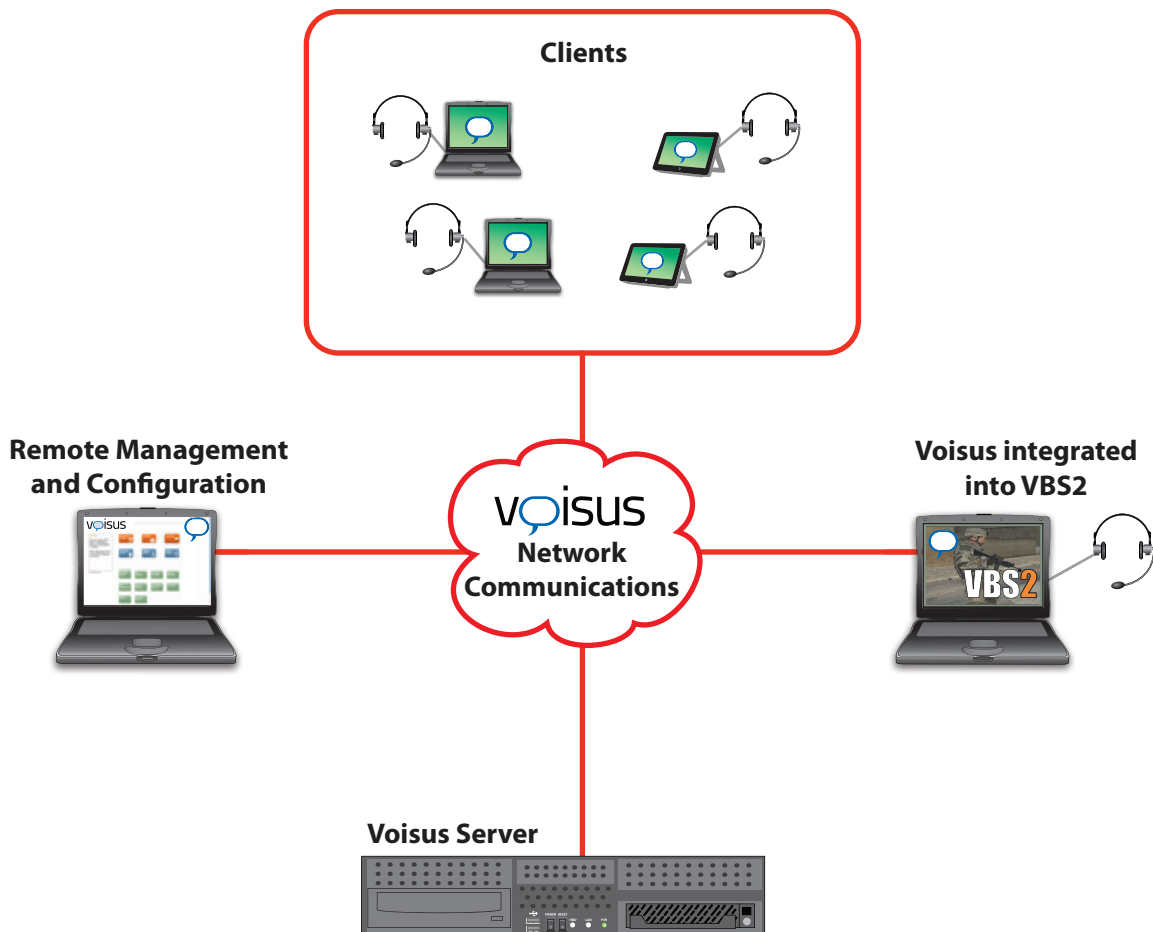
This Voisus Server Quick Start Guide gives new users a brief overview of setting up the Voisus Server, starting a Scenario, installing Voisus Client, and starting Voisus Client.

Note: This document is a high-level quick start guide to using ASTi's Voisus equipment. Please refer to each product's individual guide for a comprehensive understanding of the equipment.

For complete Voisus product documentation, please see ASTi's web site:

<http://www.asti-usa.com/support/document/voisus.html>

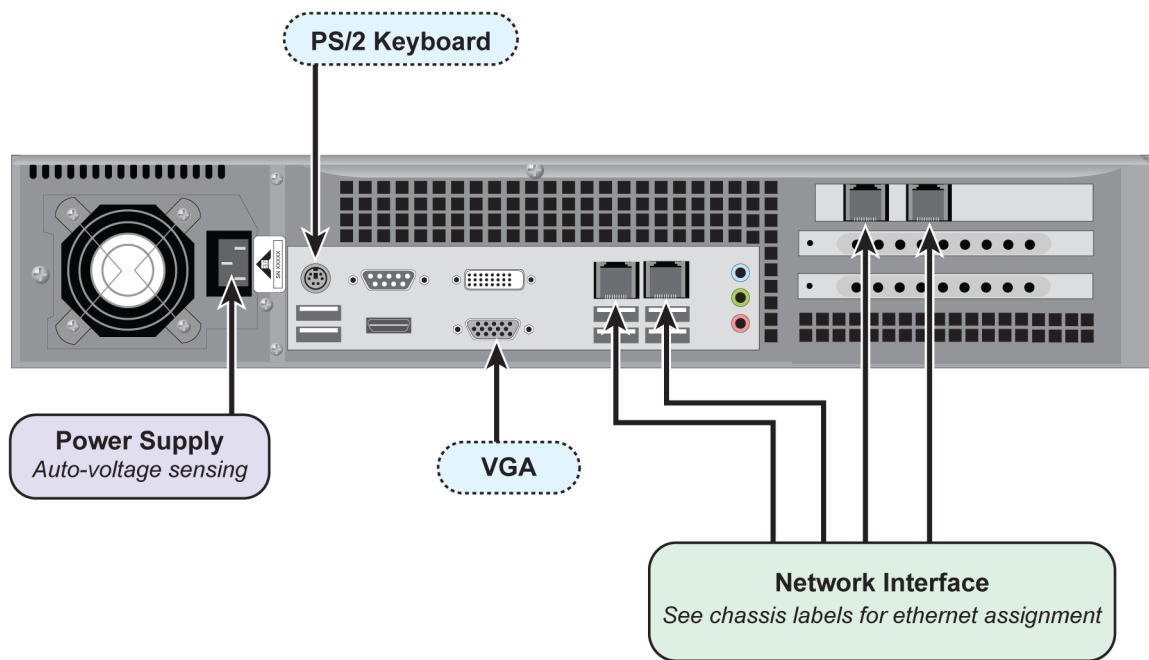
1.1. Top Level Layout



Note: not all configurations are the same. The system setup will vary with customer applications.

1.2. Server Ethernet Port Connections

Port	Connection
Eth 0	DIS (Inter-server Comms) Voisus (Server - Client Computer Comms)
Eth 1	ACENet audio distribution network
Eth 2	Voisus (Server - Client Computer Comms, Alternate Configuration)



See chassis labels for ethernet assignment.

For more information on the Ethernet Network Ports please see section 1.3. "Server Installation" in the Voisus Server Operator Manual (DOC-05-VS-OM).

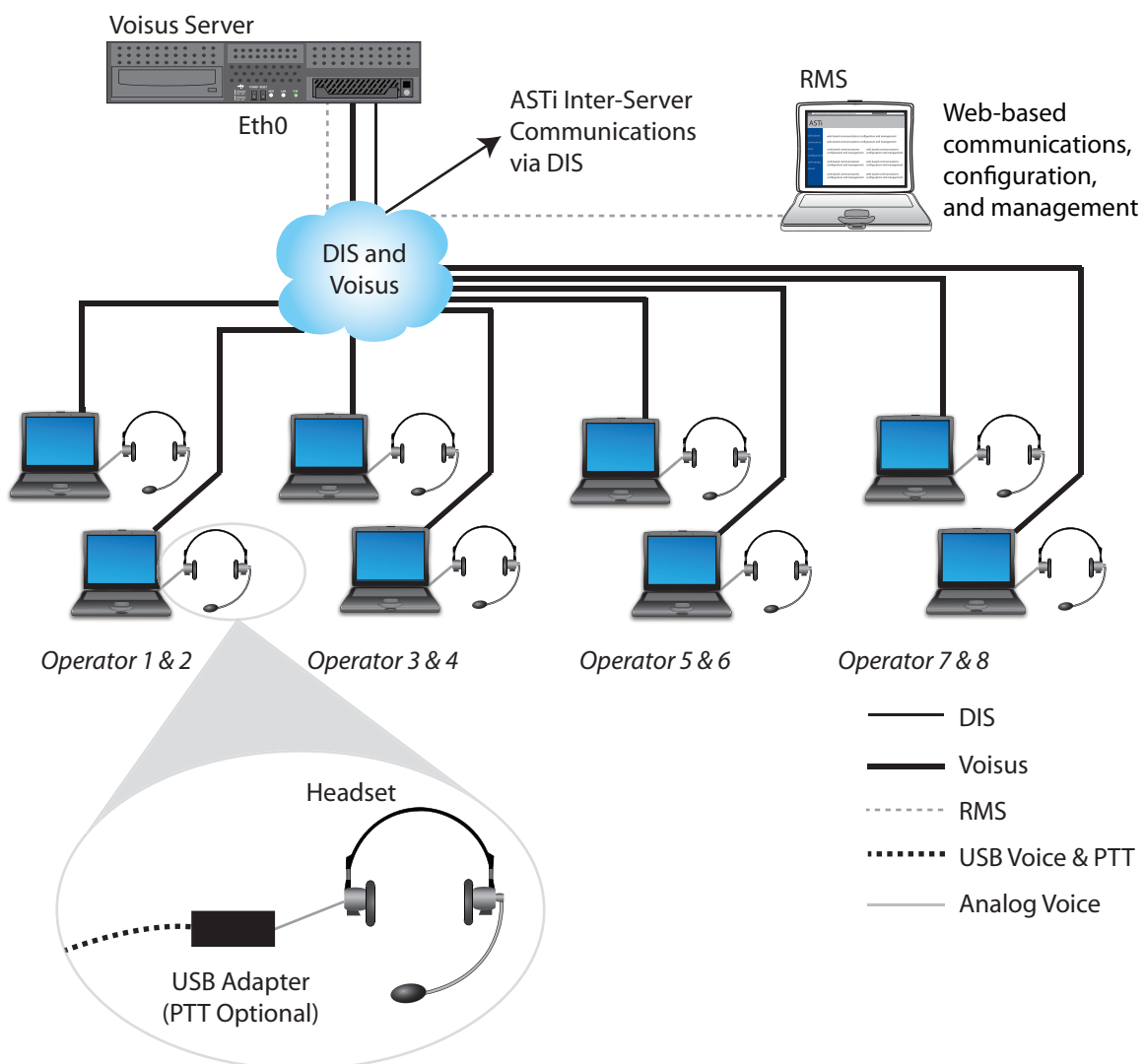
1.3. Networking

Voisus Server utilizes three application network traffic links:

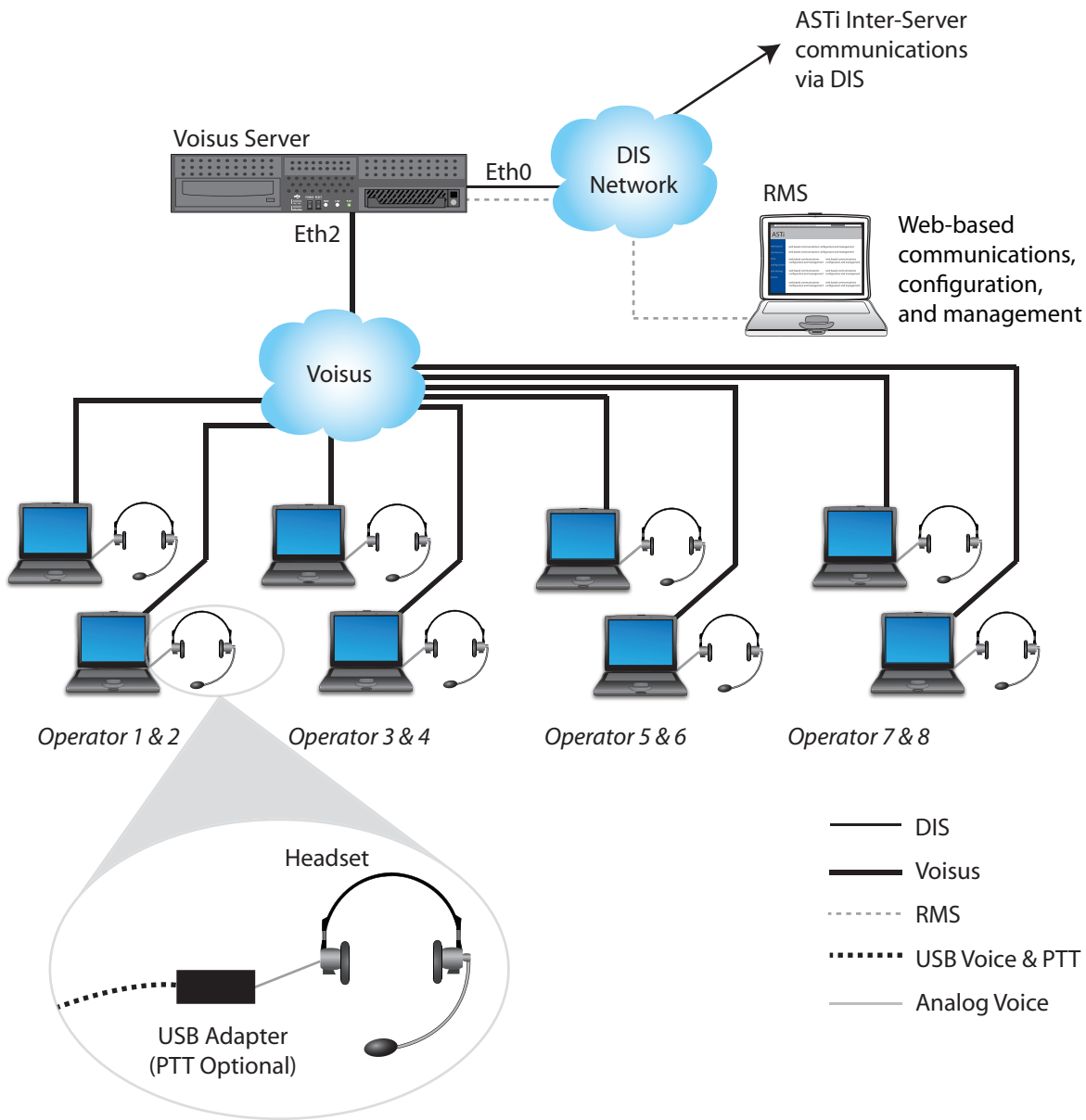
- RMS: Secure web server accessed by remote computers through a web browser.
- DIS*: Inter-Server (or inter-simulator) communications
- Voisus: Server-client communications

*Distributed Interactive Simulation (DIS), IEEE-1278 standard

The figure below shows the most basic network configuration for the Voisus Server system. All three application links share a common IP network. The benefit of this configuration is simplicity.



The figure below shows a separate network configuration, with RMS and DIS application traffic on one IP network (DIS) and Voisus application traffic on another network (Voisus). The benefit of this configuration is network traffic management. Using this configuration, traffic segregation eases congestion on each network. Also, computers on each network are isolated from superfluous traffic (for example, Voisus clients are not subjected to DIS traffic), which conserves processing resources.



2.0. Setting up the Voisus Server

To complete the setup you will need the following hardware:

- monitor
- keyboard
- power cord
- Category 5e cable or better
- network connection

Follow these steps to install the server and assign an IP address.

1. Connect the server to a monitor and keyboard. Note that a monitor and keyboard are only necessary for initial software configuration.
2. Connect the server's Ethernet interface(s) to the DIS network (linking to other servers). See 'Networking' section in this document for guidance.
3. Connect to power.
4. Log in with the following:

```
Username: root Password: abcd1234
```

5. The server will not have an IP address without a DHCP network connection. To set an IP address, type:

```
ace-net-config -a xxx.xxx.xxx.xxx -n yyy.yyy.yyy.yyy
```

where 'xxx.xxx.xxx.xxx' is the IP address and 'yyy.yyy.yyy.yyy' is the subnet mask.

This sets the IP address and netmask for **Eth0** which is used to access the Remote Management System (RMS) via a web browser.

6. *Optional:* For more network setup options type:

```
ace-net-config -h
```

7. To activate the changes reboot the server by typing:

```
reboot
```

8. Once you have configured Eth0, you can use RMS to make additional changes to the network settings.
9. Using a computer on the network with a web browser, open a browser and in the address bar type in the IP address that was set in step 5 above.

Note: Depending on your web browser and browser version, the browser may show a failed connection due to a self signed security certificate. Bypass the warning by following the prompts to add a security exception.

10. At the login screen, enter the default username and password.

Username: **admin** Password: **astirules**

11. From the Welcome screen select 'Voisus.'

12. Then navigate to the '**Network Setup**' page. On the Network page set the following under 'General Settings':

Default Route

Domain (optional, leave blank if none)

Gateway IP

Hostname

Nameserver (optional, leave blank if none)

See your network administrator for details on your network setup.

13. Reboot after you complete your network changes. The reboot button is on the 'Start' page. The reboot process will take approximately 2 minutes.

3.0. Starting a Scenario

The Scenario is the overall exercise definition combining the comm plan and roles software configuration with the facility hardware configuration. If your installation does not require any hardware positions and has only Voisus clients, then you do not need to add a facility.

Follow the steps below to start a basic scenario.

1. Open a web browser and log into RMS as shown in the previous section.
2. Select the 'Comm Plans & Roles' tab and select the 'Basic Example' comm plan. Note: View the Roles tab to see the list of radios/assets for the client operators.
3. Select the 'Scenario' tab. Select 'Basic Example' for the Scenario. Ensure 'Basic Example' is selected for Comm Plan and Facility. Save the changes.
4. Select to 'Install Scenario.'

Please see the Voisus Server Operator Manual (DOC-05-VS-OM) for a more extensive overview of the Voisus Remote Management System and software configuration. See section 8.0. "Application Examples" for more details about the Basic Example and other examples that come with the software.

4.0. Installing Voisus Client

The Voisus Client is a communication software application providing operators with remote audio. The Voisus Server provides elegant administration, simply download the client application using the Remote Management System (RMS) web interface, remotely configure, and operate.

1. In RMS navigate to the 'Download' page.
2. Select the client for your operating system.
3. Follow the install instructions for the operating system corresponding to your setup. See section 3.0. "Voisus Software Client" in the Voisus Server Operator Manual (DOC-05-VS-OM) for complete details.

5.0. Starting Voisus Client

Before getting started, select the proper audio device on the computer running the client. See section 3.0. “Voisus Software Client” in the Voisus Server Operator Manual (DOC-05-VS-OM) for specific details.

Open the client application.

1. Enter the Voisus Server IP address.
2. Enter a client name.
3. Select “Connect.”
4. For the operator role select “Role_Ex1”. This will populate the client with the radios/assets that are set in the Comm Plan under the Role tab.
5. Start communicating.