

Voisus 101



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Welcome to Voisus, ASTi's networked audio and communications solution for simulation and training environments. Voisus features high-fidelity simulated radios and intercoms, speech recognition and text-to-speech, environmental sound generation, network traffic record-and-replay, and live-to-virtual radio bridging over local and DIS networks.

1 Powerful Tools for Effective Training

Voisus is a family of networked, modular products designed for flexibility and scalability. Product modules include:



Figure 1:

2 Scalable and Interoperable Features

Voibus platform's robust features combine seamlessly and scale to meet the needs of large and small exercises alike. Client operators connect wherever there is access to the network. Automated environmental sounds and radio traffic increase exercise realism and relieve busy instructors. Live radios are bridged to the network, linking live and virtual domains. Network traffic is recorded and then replayed for after-action review.

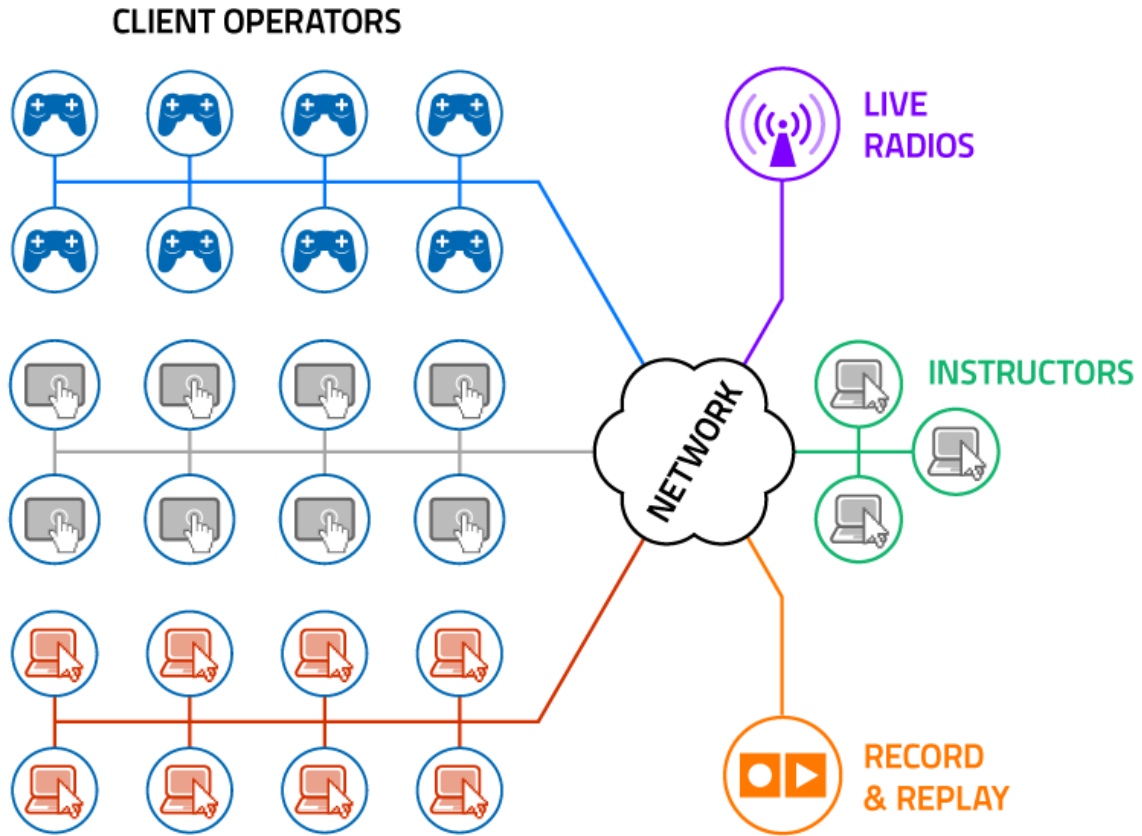


Figure 2:

3 Basic System Architecture

The Voisus server is dedicated to heavy simulation processes and extends the powerful ASTi radio environment. It features a DIS interface and a network link to Voisus software and hardware clients.

This diagram illustrates the basic Voisus system architecture with software clients. Voisus's network-centric architecture is highly scalable; simply connect more client positions to the IP network and centrally manage using the Voisus web interface. Client-based operators can be located wherever there is access to the network.

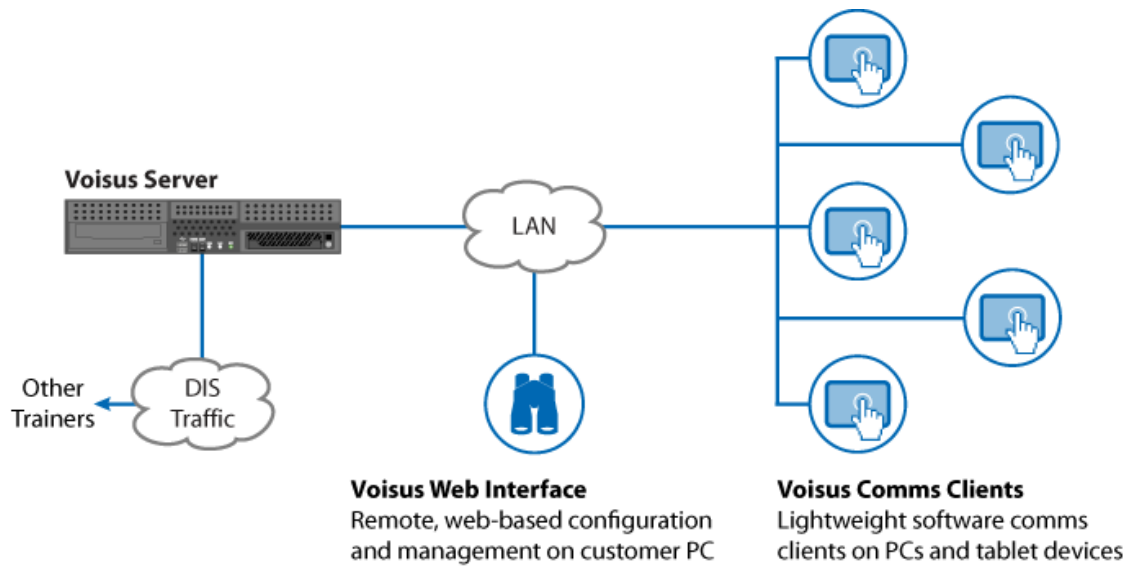


Figure 3:

4 Voisus Web Interface

Centrally configure and manage the Voisus server and clients with the Voisus web interface. The web interface is remotely accessed via web browser on any PC on the same network as the Voisus server.

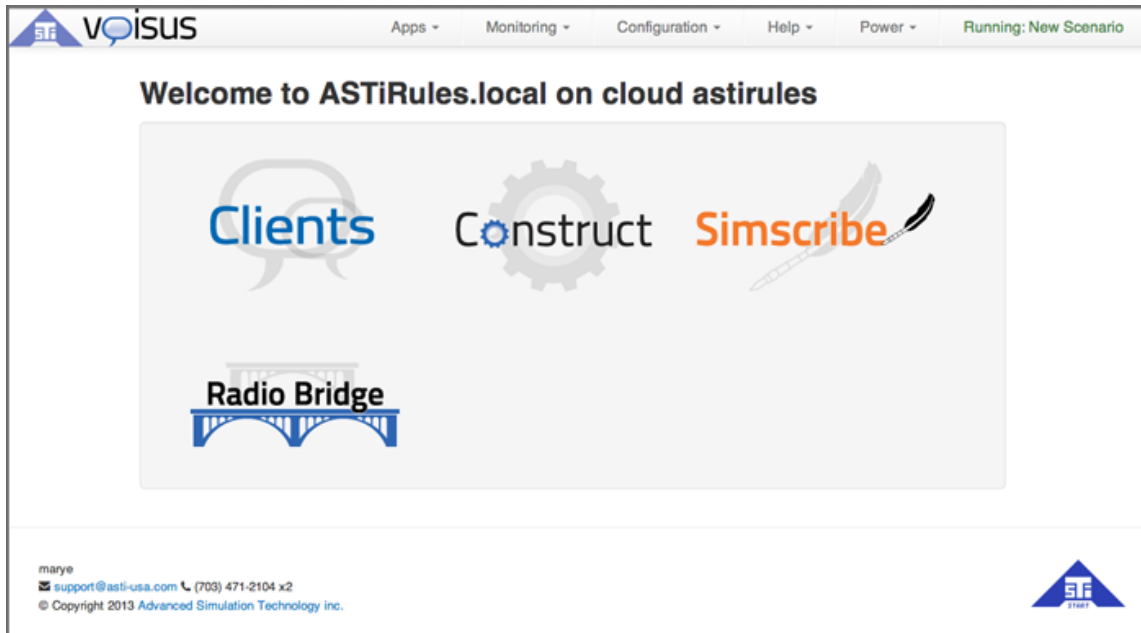


Figure 4:

4.1 Configuration and Management

Use the Voisus web interface configuration and management tools to:

- Monitor CPU, Memory, and Network Performance
- Discover other Voisus servers on the network
- Configure network settings
- Manage Users
- Back up¹ and restore² the Voisus server

4.2 Apps

There are four apps available in the Voisus software. The Voisus Client App is standard; Construct, Simscribe, and Radio Bridge can be added for additional functionality.

¹coldstart.html#step1:backup

²coldstart.html#step4:restore



Voisus Clients

Configure simulated radios and intercoms and assign them to software and hardware communications clients.



Construct

Link automated radio, voice, and sound with synthetic entities and game avatars to animate the training environment and provide an immersive training experience.



Simscribe

Capture and replay network voice and comms for after-action review.



Radio Bridge

Route live radio traffic among multiple sites and remotely control live radios over local and wide area data networks.

Figure 5:

5 More Information

For more information, refer to the following guides:

- Getting Started³
- Voisus Client User Guide⁴

³getstarted.html

⁴voisus.html

- [Construct User Guide](#)⁵
- [Simscribe User Guide](#)⁶
- [Radio Bridge User Guide](#)⁷

⁵[construct.html](#)

⁶[simscribe.html](#)

⁷[radiobridge.html](#)