

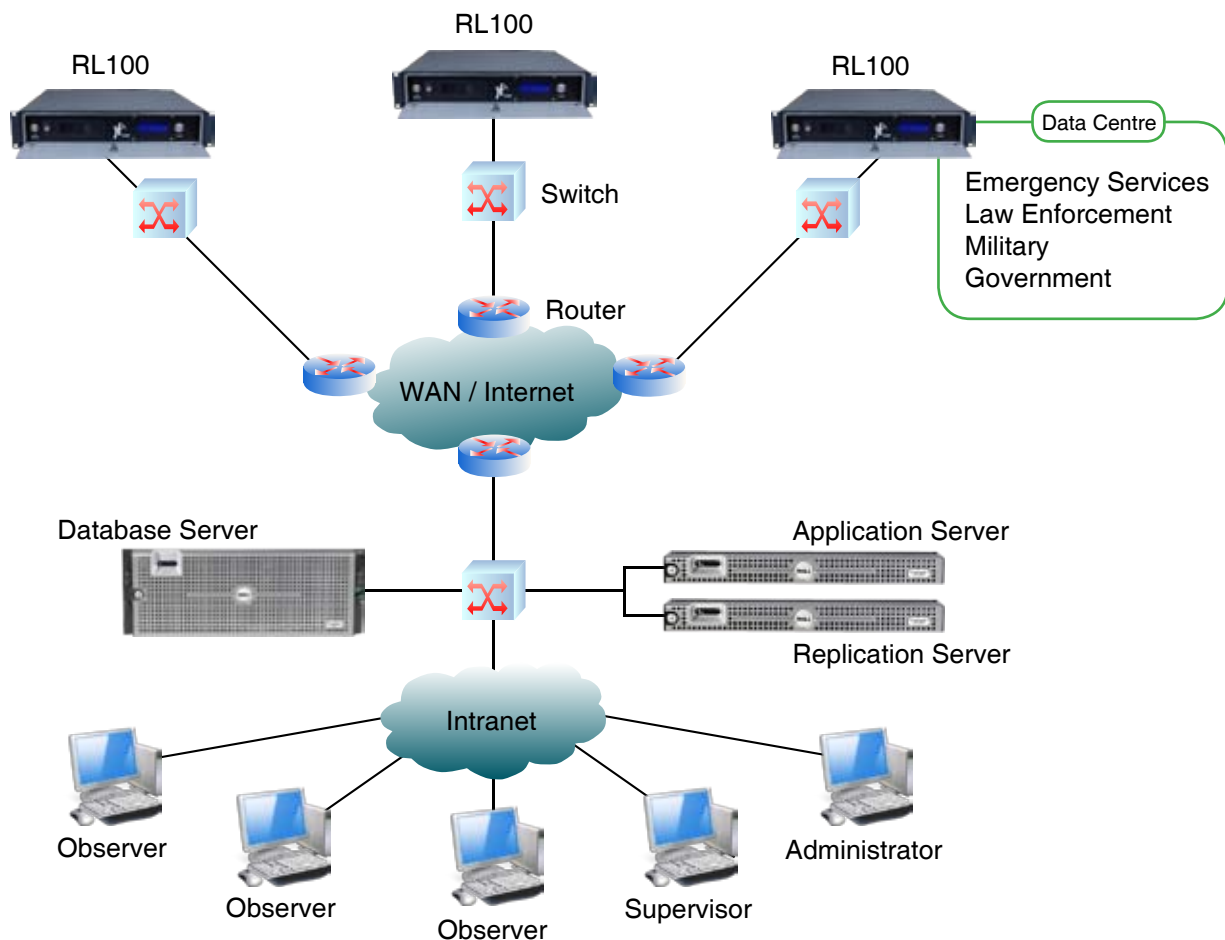
XAudioNet



What is XAudioNet?

XAudioNet is a sophisticated audio transmission network that streams and archives multiple analogue audio channels from remote locations to centralized headquarters. It is a unique solution that offers digital audio acquisition, lossless compression, transmission, recording, analysis and remote device control on a common platform.

With the ability to switch seamlessly between live and recorded audio channels, XAudioNet can handle tens of hundreds of audio channels originating from distant remote locations scattered across a wide area network. XAudioNet consists of hardware and software elements that are scalable to build a countrywide audio storage network or standalone tactical operations.



Why buy XAudioNet?

1. Protecting your Investment :

XAudioNet offers ultimate flexibility to 'pick and mix' audio sources and establish a homogenous control over them. This feature allows organisations to integrate their existing audio devices with XAudioNet thus protecting their investment and enabling devices to be used to their full potential. In addition, the provision of a common storage and retrieval platform removes the need to carry and protect conventional media elements. XAudioNet provides instant, secure and easy access to archived audio hence shortening the return on the investment period.

2. Audio Integrity :

XAudioNet uses 'lossless compression' technology in order to preserve the purity of sound. This provides maximum benefit over nonlinear lossy compression algorithms in terms of audio quality enhancement especially when audio is buried under 'noise'.

3. Web based Software :

XAudioNet is controlled by web based management software running on standard PCs. The management software does not need any installation, updating and configuration which minimises maintenance and running costs. In addition, multiple users can access the same audio channel at the same time saving time and the risk of losing critical data.

4. Built-in Workflow :

XAudioNet management software has built-in workflow which can be configured to the hierarchical structure of an organization. A dynamic menu controls access to system users according to their job role, resulting in utmost security and increased work efficiency.

5. Seamless Access to Live and Archived Audio :

XAudioNet management software has an embedded ActiveX player which offers seamless access to live and archived audio channels. Depending upon the requirement, an observer can switch between both modes and playback audio instantly in order to interrogate in greater detail.

6. Integrated Reporting :

XAudioNet management software provides an online reporting system to write notes about specific audio contents and post alerts to other system users. These alerts can be received by email, and referred audio contents can be accessed immediately. This means specific audio content can be identified and retrieved from the database extremely efficiently.

7. Secure and Trackable :

XAudioNet provides an activity logging mechanism to trace system activity. Every action on XAudioNet can be tracked. This facility provides maximum security which enables system misuse to be quickly identified and addressed.

8. Scalable and Future Proof :

XAudioNet has been designed with future expandability in mind. A single remote location site can be easily and cost effectively 'expanded' should your requirements grow. New sites can be added and old ones removed whilst still maintaining absolute integrity of data and accessibility.



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9. Remote Device Control and Audio Scheduling :

XAudioNet provides centralized control functionality for every audio source connected to it, which means the total audio network can be managed centrally. In addition, there are scheduling controls built into the software to activate a particular audio source at pre set times thus saving bandwidth and running costs of the system.

10. Online Hardware State :

XAudioNet management software checks the status of every remote location acquisition platform (RL100) at constant intervals. Any malfunctioning is immediately identified and reported to system administration for rectification.

11. Multilanguage Support :

In order to accommodate globally dispersed or multicultural operations, XAudioNet supports multilingual data entry and display schemes. This means the user interface language is determined when logging on to the system dependent upon your chosen language settings. This feature is beneficial for observers who like to write reports in their local language.

12. Distributed Data Redundancy :

To minimize risk of data loss, XAudioNet records audio data at two levels simultaneously. At the first level, it is stored locally within RL100 for a fixed length of time and remains programmable by the XAudioNet management software. At the second level, it is uploaded to the headquarters and archived in the main database. In cases where transmission links occasionally fail, RL100 keeps on recording until the link becomes available and main database is synchronized with the local database.

13. Encryption :

Once data is captured and digitized by the RL100 acquisition platform, it can be encrypted before being stored in the database. The choice and level of encryption algorithms very much depends upon the requirements of your organization. Xad can easily integrate any encryption algorithm to XAudioNet depending upon your specific needs.

14. Portable Recording :

XAudioNet RL100 acquisition platform can function as a portable standalone recording device without any connection to the transmission link. The RL100 is equipped with removable hard disk which can record 16 audio channels for up to a year. If necessary, the removable hard disk can be brought to the headquarters and synchronized with the main database for archiving and analysis.



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