



UniXcape Voice

The Future of Voice Communication Platform

UniXcape Voice is a native SIP-based Voice over IP system scalable up to 10,000 users per system and a virtually unlimited number of users when UniXcape Voice systems are networked. It runs on highly reliable, redundant and fault-tolerant hardware. It provides a complete and feature-rich set of business class features and can be deployed on premise, in a data center (as a private cloud), or as a multi-tenant hosted/public cloud solution.



UniXcape Voice is an enterprise voice solution with high reliability. The server nodes are designed so that if one fails, the other server node is capable of supporting 100% of the call load. The remote offices can be protected with a UniXcape Branch which is a survivable branch office solution for UniXcape Voice. UniXcape Branch not only offers survivability, but it includes a media server, firewall, Session Border Controller, and integrated PSTN gateway, all in a single appliance form factor. The value of UniXcape Branch goes beyond survivability, its activity contributes to lower the overall deployment, bandwidth and service costs.

Key Features

UniXcape Voice is real-time, SIP-based, Voice over IP application that provides the enterprise level of redundancy, reliability and scalability. UniXcape Voice operates on commercial servers over QoS managed networks.

The UniXcape Voice system provides the following key features:

- SIP Server
- Enterprise telephony features
- User management and address translation functions
- Interface to monitor and control media transactions including pure telephony
- Interface for advanced services, such as presence services, billing services, collaboration services, etc.
- Gateway selection and hunting
- Routing and translation functions

UniXcape Voice is designed as an open standards platform that runs on standard rack-mountable hardware. UniXcape Voice controls and supervises call setup. The actual media payload (voice and/or video) is carried over the LAN/WAN between end- points or via server. The administration, call control, and billing traffic are carried over network interface cards through interconnected L2/L3 switches.

Deployment Scenarios

UniXcape Routing

UniXcape Routing is an overlay solution for multi-vendor networks, where there is TDM legacy, or hybrid IP systems. It allows for centralized deployment services. In the overlay deployment, UniXcape Voice acts as a SIP-based central routing and administration solution for multi-site, multi-vendor networks, allowing customers to migrate at your own step.

Public Cloud

UniXcape Voice is the key application for public cloud solutions. It supports multi-tenant allowing service providers to "build their own cloud".

Private Cloud

For large enterprise customers (1,000 to 100,000 users) with multi-site locations that span over a region, UniXcape Voice can deploy as a private cloud solution. The key characteristic of a private cloud is centralized deployment of voice service from the customer's data center.

Configuration

UniXcape Server

This configuration consists of a system that provides the voice solution in a single server. The UniXcape Voice are de- ployed as a single node platform. The following modules provide the ability to run on the same physical server : SIP Server, Automated Attendant / IVR, Voice Recording, Voicemail, Conference bridge and Call Center.

UniXcape Virtualized architecture

The most important features provided by virtualization are the reduced number of servers and the capability of our solution to be hardware independence.

