

AudioBridge

The AudioBridge is an easy way to connect legacy TDM circuits and convert to SIP.

March 2016

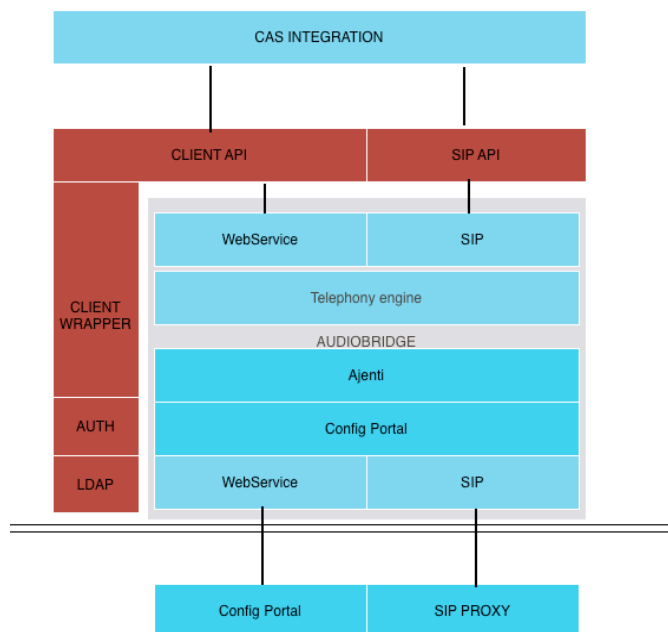
The comitFS AudioBridge is a flexible solution for the integration and management of audio conversations. The AudioBridge is suited to deliver a mixed service enabling the migration from traditional voice circuits to IP capabilities.

AudioBridge delivers a mixed service enabling the migration from traditional voice circuits to IP capabilities. The AudioBridge has been designed to delivery low latency trader voice over a mixed infrastructure of traditional and IP communication infrastructure. The AudioBridge includes functionality of private wire conferencing and secure VOIP connectivity. The AudioBridge allows customisable signaling with the signal being changed based on the user preferences.

The AudioBridge solution is unique in the way it can bridge as well as pass through voice indiscriminately integrating IP devices at one end with the traditional lines and circuits of legacy trader voice equipment at the other. One of the core requirements was to have hardware and line based alarms, which also includes full remote system updates.

The AudioBridge is fully configurable through a Web Management UI or integrated as a clustered service managed through a single interface. The voice service also provides an API for the control and management of AudioBridge on a dynamic basis. The AudioBridge core benefits include simple on boarding of new private wire's over SIP. One of the benefits of the AudioBridge is that it can have 4 OpenVox cards configured, which are inserted into the AudioBridge. The AudioBridge functionality allows connecting legacy TDM circuits and converting to SIP.

comitFS used its expertise to successfully deliver the solution to the financial distributor with all the requirements met. Extensive testing was conducted to ensure a smooth migration of the product into the partner's infrastructure.



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The AudioBridge provides 120 Primary Rate Interface channels on a dual power 1U chassis with the following capabilities.

PRI Switch Compatibility

- EuroISDN (PRI or PRA) - Q.931/Q.921
- Network or CPE
- AT&T 4ESS
- National ISDN 2
- CAS Voice Modes Customisable settings
- DMS 100
- Lucent 5E

Trader Room Specific Call Types

CAS MRD
CAS ARD

VoIP Media

SIP - Signalling(UDP,TCP,TLS)
Codecs - G711 ulaw, G711alaw, G729
(Requires licensing), G723(Requires licensing),
GSM, ILBC, Speex, G722

Interfaces

2 X GB Ethernet
4 x E1/T1

Management

Web based Management
Remote monitoring capabilities:
Hardware and line based alarms
Full remote system updates

Industry Standards

Primary Rate ISDN (both N. American
and Standard Euro)
PPP
Cisco
HDLC
Frame Relay data modes
Both line-side and trunk-side interfaces
are supported.

Certification

- FCC Part 15,
- CE(EN55022, EN55024),
- LVD(EN60950-1) and
- RoHS Compliant