

BOUYGUES TELECOM CASE STUDY



Customer: Bouygues

Website: www.bouyguetelecom.fr

Location: France

Industry: Telecommunications

Customer Profile:

Bouygues Telecom is one of the biggest telecommunications companies in France

Challenges:

- Simple and reliable connectivity to Bouygues' SIP trunk service
- Interoperability with any customer PBX
- Scalable to meet the needs of any customer location

AudioCodes Solutions:

- Mediant 800 SBC
- Mediant 2600 SBC
- Mediant 4000 SBC

Benefits:

- **Versatility** – Broad SIP mediation capabilities, extensive interoperability and real scalability
- **Reliability** – Smooth connectivity and superb Quality of Experience (QoE)
- **Resiliency** – High availability and survivability
- **Security** – Robust defense against fraud and other malicious attacks

Bouygues Telecom

Scalable enterprise session border controllers for reliable connectivity to hosted all-IP voice services

Bouygues Telecom, one of the biggest telecommunications companies in France with almost 18 million subscribers, selected three different members of the AudioCodes Mediant session border controller (SBC) family to seamlessly connect new customers to its IP-based hosted telephony service.

Background

[Bouygues Telecom](http://www.bouyguetelecom.fr) is one of the largest telecoms operators in France, with a base of 17.8 million customers including 3.4 million fixed broadband customers. The company's enterprise division provides fixed, mobile and internet solutions to 3 million users with 1.6 million mobile lines.



Built on expertise acquired through years of global VoIP deployments for enterprises and service providers, AudioCodes Mediant SBCs feature cutting-edge technology that can be trusted to perform.

Challenges

Bouygues had previously introduced IP-based hosted telephony with unified communications and SIP trunking services, initially based on a Cirpack softswitch which was replaced more recently by a BroadSoft solution. Because Bouygues needed a simple and reliable way to connect new customers to the service, the optimal solution was to deploy enterprise SBCs on the customer premises. The chosen SBCs had to ensure reliable SIP trunk connectivity with Bouygues' core platforms, deliver proven interoperability with a vast range of different customer PBX and unified communications platforms and be scalable to meet any customer premises requirements.

Solution

Deployed at the border between an enterprise's VoIP network and a service provider's SIP trunk, SBCs implement SIP protocol mediation and media handling, as well as securing the enterprise VoIP network.

Bouygues chose AudioCodes [Mediant SBCs](#) because they provide the interoperability, survivability and quality assurance that today's enterprises and service providers demand. Built on expertise acquired through years of global VoIP deployments for enterprises and service providers, AudioCodes Mediant SBCs feature cutting-edge technology that can be trusted to perform. They include extras like advanced routing capabilities, enhanced security, WebRTC gateway functionality and integrated reverse HTTP proxies.

The [Mediant 800](#), [Mediant 2600](#) and [Mediant 4000](#) SBCs were selected for this project for a number of different reasons:

- Field-proven interoperability for connecting to customer premises PBXs regardless of vendor
- Seamless integration with Bouygues' BroadSoft softswitch
- Scalable platforms suitable for any customer location size
- Transcoding capabilities and media enhancements to enhance voice quality
- SNMP support enables network administrators to manage the entire SBC deployment via Bouygues' network management systems
- Dynamic, network-wide floating license for a flexible and cost-effective deployment
- Identical code base across Mediant SBC models ensures feature parity and simplifies operations and support



Mediant 800



Mediant 2600



Mediant 4000

“It was very clear to us that the superior quality of AudioCodes’ SBCs would make it possible for Bouygues Telecom to provide French companies with competitive and reliable voice services during their migration to all-IP.”

Céline Lazard
Director of Fixed Marketing at Bouygues Telecom

Mediant SBCs bring the following benefits to Bouygues:

- **Versatility** – Broad SIP mediation capabilities, extensive interoperability and real scalability
- **Reliability** – Smooth connectivity and superb Quality of Experience (QoE)
- **Resiliency** – High availability and survivability
- **Security** – Robust defense against fraud and other malicious attacks

Results

Bouygues has already deployed AudioCodes Mediant SBCs at hundreds of customer sites, ensuring reliable SIP trunk connectivity with their core platforms and the easy connection of new subscribers to the service.

“Even though this was our first experience of working with AudioCodes, we were very impressed by the expertise of their local technical and sales teams and we felt that we were in safe hands,” said Céline Lazard, Director of Fixed Marketing at Bouygues Telecom. “It was very clear to us that the superior quality of AudioCodes’ SBCs would make it possible for Bouygues Telecom to provide French companies with competitive and reliable voice services during their migration to all-IP.”

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