NEXGE CommPacket Media Proxy
overview

LOWER Operational Cost

HIGHER Revenue Scope

Optimal **Performace**

Graceful **Scalability**

In a World that is constantly racing towards the Next Big thing and **certain uncertainty**, our product assures that our clients are ready to face the future at any terms. At NEXGE, we make sure that whatever technology wave the future might present us, our clients are ready to make the transition and still stay ahead of curve in the **reality of harsh competition**. We make it our business to **empower** Operators and Broadband Service Providers with the necessary building blocks of Tomorrow's networks. We make every effort on our side to **stay ahead** of the curve, to ensure that your **future is safe**.

Ideally, we all wish to have a network without any intermediaries, but can provide end-to-end connectivity with nothing but routers in the middle. Unfortunately, that is something that we can only wish for. The reality of networks is much complicated with firewalls, subnets and the translation of addresses in different networks (NAT). Though most of these complications play a part in keeping the network secure, it also proves to be a hassle for privileged network traffic to get authenticated and every such delay causes significant deterioration to the quality of the voice packets transmitted. We at Nexge Technologies, understand this and the CommPacket Media Proxy is our solution to the problem.

when RELIABILITY matters most ...

KEY DIFFERENTIAL FACTORS:

- The ability to authenticate devices behind NAT and provide with a channel to transfer voice packets
- Enhanced capability to penetrate through multiple layers of NAT traversal compared to any other standard in the market, including STUN, TURN etc.
- Dynamic channel and resource allocation mechanisms that allow for improved security of the network
- Built from the core for carrier-grade operators with robustness as an essential requirement
- Multiple deployment scenario options that grant the opportunity for optimized network design and placement

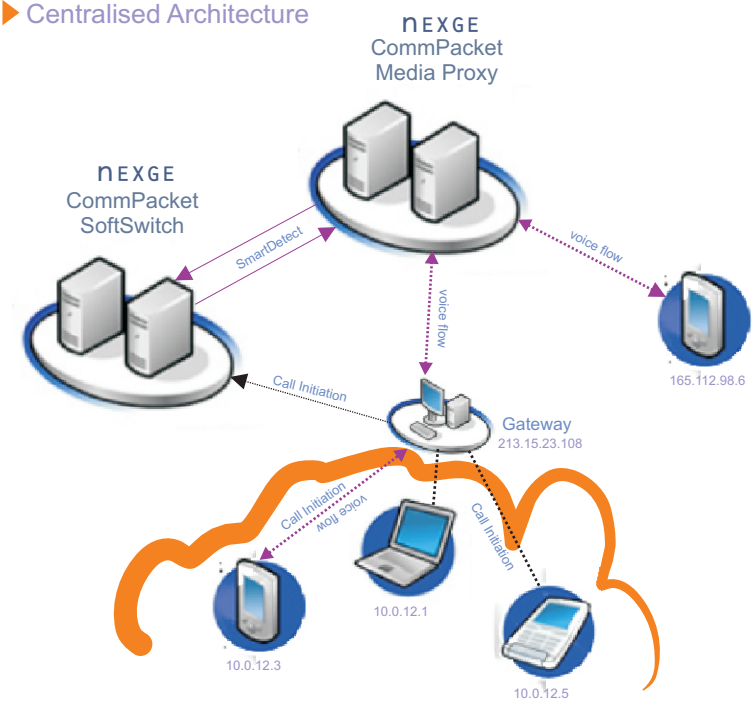
ONLY COMPATIBLE WITH **NEXGE COMMPACKET SOFTSWITCH**

NEXGE CommPacket **Media Proxy**

deployment scenario

Deployment Scenario

Centralised Architecture



There are various methodologies that are available in the current network arena to address the very issue that has been described before. Some of the popular techniques include STUN, TURN, ICE and dedicated processes such as Application Layer Gateway (ALG), which is the solution proposed for efficient handling of voice packets. Though techniques such as ICE and the design architecture of an ALG prove to be very efficient, the unavailability of supportive elements in the network make it a probable solution for tomorrow's architecture – not for today.

Our CommPacket Media Proxy provides a solution for today's deployment scenario.

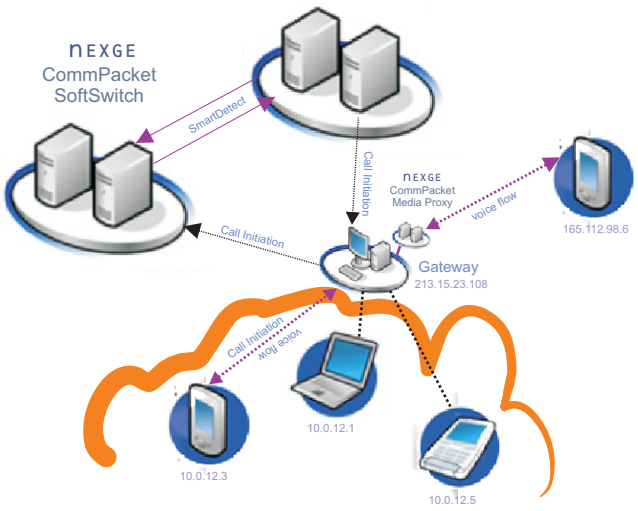
Apart from having proven itself to work with any device, with or without support for NAT Traversal built-in, the Media Proxy also has the capability of penetrating through any level of subnets, which is a claim that very few other techniques in the industry can claim.

The MediaProxy also makes certain that the security of the network is not compromised by the use of a dynamic allocation technique to open and close ports, making it impossible for intruders to find a way into the network under the disguise of an authorized channel.

Our design of the Media Proxy gives you the privilege of making the choice, as to how you want to design the system. It allows for both centralized and distributed system architecture, depending on whether your network will have one high performance system monitoring the entire network, or if you want to balance the load throughout the network in pre-positioned nodes.

With so many advantages, it seems like an obvious choice to adapt the CommPacket MediaProxy , as part of your solution.

Distributed Architecture



ONLY COMPATIBLE WITH **NEXGE COMMPACKET SOFTSWITCH**

NEXGE TECHNOLOGIES