



Introduction

Today, most of fixed/mobile operators and service providers need to equip their network with Policy Enforcement capabilities to apply the specific policies, rules and laws. This is a forensic action in accordance with ETSI 201 671 v2-1-7, that leads to

manipulate and enforce policies on the traffic. PeykAsa VoIP Intelligent Policy Enforcement (VIPE) applies policies and rules over the VoIP traffic with utilizing its layer 3 to 7 deep packet inspection (DPI) technology.

Deploying PeykAsa VIPE among VoIP service providers helps to manipulates VoIP traffic. The location of the VIPE in the VoIP network is shown in Figure 1.

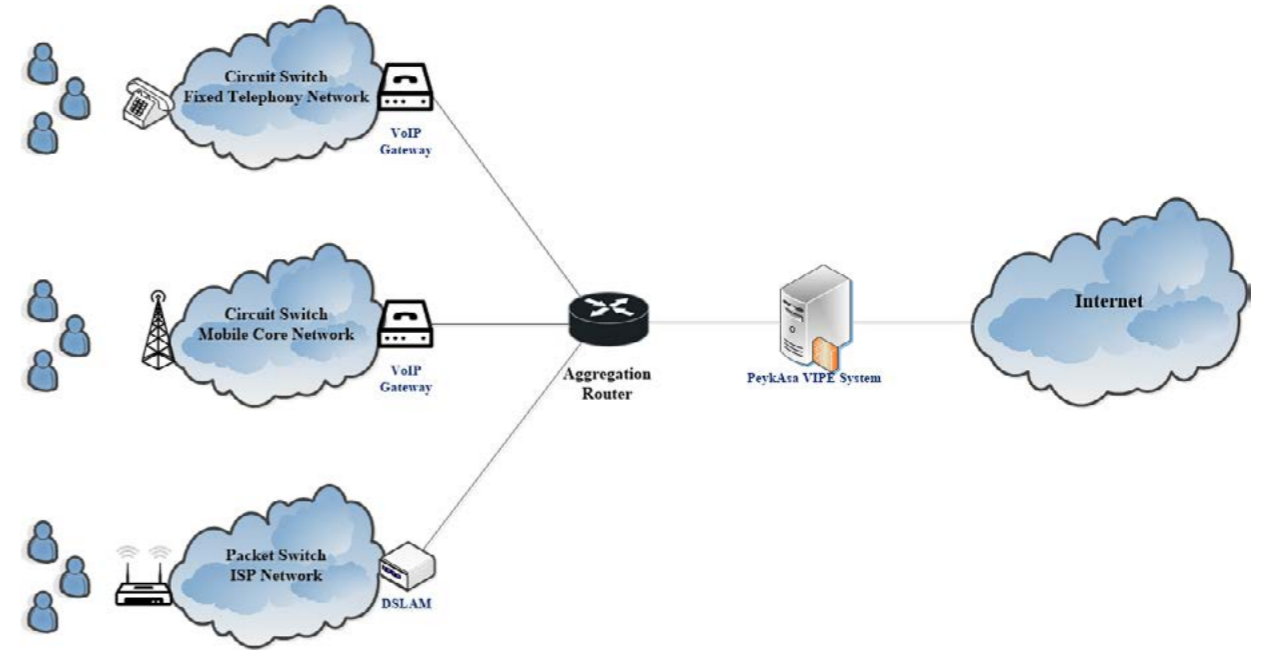


Figure 1. location of the VIPE



How does it work?

PeykAsa VIPE has the full layer 3-7 DPI capabilities and applies policies and rules on a per-data flow basis according to service type, date and time, subscriber's service usage history, subscriber's location, instructions from external policy server, etc.

PeykAsa VIPE detects and-if necessary-removes 'Grey Traffic' of calls that do not have license, while allowing licensed revenue generating 'White Traffic'.

The main function of VIPE is:

- ▶ Policy Enforcement Based on the Origin and Destination of Calls, Operators, and so on
- ▶ Completing and Transferring Calls
- ▶ Changing the Origin of Calls
- ▶ Manipulating the Amount of Traffic Flowing in the Network
- ▶ Allowing only Registered Users to Make Calls

Features

- ▶ Supports Real-Time Network Surveillance
- ▶ Supports Various Protocols, Including SIP, H323
- ▶ Forwards or Manipulates Signaling and Voice Traffic
- ▶ Determining the Exact Duration of each Call
- ▶ Provides Online Monitoring List
- ▶ Monitors Progress of up to 30000 Simultaneous Calls with Bidirectional RTP Traffic
- ▶ Captures Calls Based on Call Agents or Triggered Actions such as MOS, R-factor, Jitter, Packet Loss, Duplicate Packets, or Called/Calling Numbers (SIP/H323)
- ▶ Full RTP Analysis with Audio Capture/Playback for all Common Codecs

Benefits

- ▶ Helps to Meet Business Goals (Revenue, Profitability, and Service Stickiness)
- ▶ Provides Intelligent Traffic Management for Each Traffic Type
- ▶ Accurately Enforces Policies on Each Carrier, ISP or VoIP Operator's Traffic
- ▶ Low Cost Solution Compared to other Vendors in the Market
- ▶ Avoids Cost by Applying Acceptable Usage Policies by Offering Congestion Management
- ▶ High Performance and Flexible Solution

