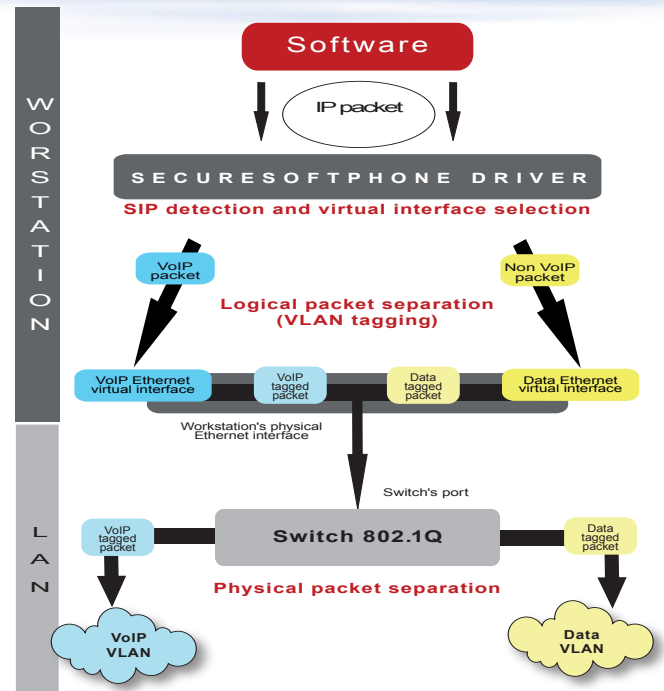


SecureSoftphone



SecureSoftphone secures voice networks that use softphones. **SecureSoftphone** separates «voice» and «data» flows directly on workstations using softphones.

Softphone Security

Voice Network Protection

Voice & Data flows

SIP Protocol

Software filtering

VLAN Tagging

Key Benefits

Application type: network driver specialized in separating voice flows and data flows with protocol filters and VLAN tagging.

Supported operating system: MS Windows XP Professional.

Supported protocol: SIP.

Supported technologies: VLAN-tagging, VLAN priority.

Description

SecureSoftphone is an Ethernet driver that detects SIP packets at protocol level. On one hand, SIP packets are tagged with the voice VLAN ID and are filtered so that they can't access the data network, and on the other hand other data packets (non-VoIP packets) are tagged with the data VLAN ID and are filtered so that they can't access the voice network.

SecureSoftphone creates virtual Ethernet interfaces: «voice» and «data». These interfaces allow already VLAN-tagged packets to pass through the physical Ethernet interface of the workstation using a softphone.

SecureSoftphone will only allow SIP packets to pass through the voice virtual Ethernet interface. Tagged packets are sent by the network switch (supporting 802.1q standard) to their very own network (voice or data). Voice and data packets are separated at workstation level, using a single secured physical Ethernet interface.

Software

IP packet

SECURESOFTPHONE DRIVER

SIP detection and virtual interface selection

VoIP packet

Non VoIP packet

Logical packet separation (VLAN tagging)

VoIP Ethernet virtual interface

VoIP tagged packet

Data tagged packet

Data Ethernet virtual interface

Workstation's physical Ethernet interface

Switch's port

Switch 802.1Q

VoIP tagged packet

Data tagged packet

Physical packet separation

VoIP VLAN

Data VLAN

W
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