

# Wholesale VoIP : IAX and SIP

Interfacing with aql can be achieved via two key mechanisms :

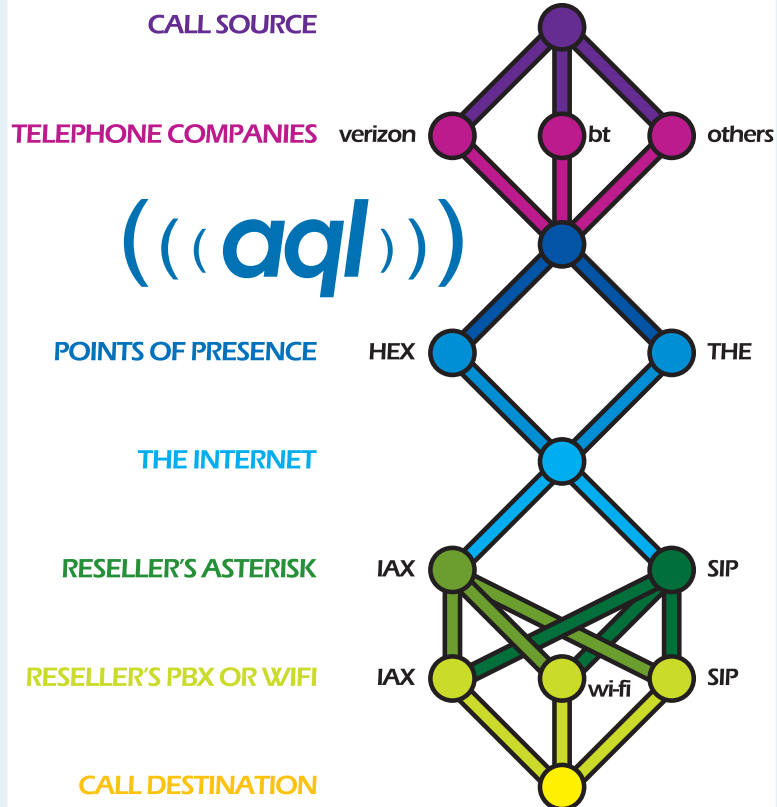
## SIP (Session initiation Protocol)

The "standard" VoIP protocol.

## IAX (inter Asterisk® eXchange protocol)

Ideal for resellers using platforms based on the popular Asterisk® PBX.

Both protocols can support inbound and outbound calling. aql can deliver inbound calls over SIP or IAX, including ported numbers.



## ABOUT SIP

SIP is a common-standard VoIP protocol.

Many user-agents (handsets) and PBX's use this protocol, as do many "softswitches".

SIP is the most common form of handoff of VoIP calls to a reseller.

### Reseller Advantages

- Simple, flexible, common standard.
- Supported by industry standard devices eg Cisco® Callmanager™/Unity™

### Reseller Disadvantages

- Can have issues with customers using NAT (requires session border controller).
- Media path is direct between aql and end user handsets unless media proxying is employed.

## ABOUT IAX

IAX is a stable protocol used for communication with asterisk® PBX platforms.

Many resellers use asterisk as a user registration platform to provide VoIP services.

### Reseller Advantages

- Stable, even for resellers behind NAT
- Can have bandwidth advantages for multiple calls

### Reseller Disadvantages

- Can be more complex to set up - aql technical support can assist