

Alcatel-Lucent Visual Notification Assistant

A mass notification solution is a key asset for conveying real-time critical information about an event occurrence. It can be particularly efficient in situations where many people need to be notified instantly and simultaneously, wherever they are in a building, either at their desks or on the move.

For example, in a hospital environment a surgical team may need to be notified about the readiness of the operating room. Or, in a railway station or on a University campus, if an emergency occurs, a mass notification solution can mobilize the staff to take the necessary action. It is also relevant in retail stores to broadcast promotional messages on store's loudspeakers, either on a scheduled basis or through live announcement.



The [Alcatel-Lucent Visual Notification Assistant](#) provides a simple and flexible, easy-to-install, intuitive multimedia mass notification system. It is an ideal solution for enterprises across all industries. This single platform solution lets you define your scenarios, interworks with the Alcatel-Lucent OmniPCX® Enterprise Communication Server and offers:

- Alert/audio broadcast with ALE phones using multicast protocol for large number of users, or one way conference for any type of users featuring acknowledgment and analytics
- Conference capabilities that notify and gather people, save time and provide a coordinated response. Conferences can be recorded, and directly joined by the participants (meet-me)
- Notification services such as email, SMS or instant messaging (Rainbow™ by Alcatel-Lucent Enterprise)
- Emergency call (911/112) management for on-site safety providing location information (per site/building/floor/area) for fixed phones, mobile handsets and softphone applications
- Role-based management enables multi-level access to provide the appropriate rights on each tenant
- Native high availability with hot redundancy

Features	Benefits
Alert/audio broadcast on desk phones and mobiles.	Reduce information latency when warning people of an emergency by using existing phones deployed in buildings.
Conference capabilities triggered in the event of an emergency.	Notify people in charge (for example safety team and PSAP) to automatically gather together in a conference. Saves time and provides a coordinated response. Conference calls can be recorded.
Intuitive visual interface with building blocks to create scenarios and get reporting information.	No IT/developer skill required to create your customized emergency scenario from a single web interface.
Parallel group calls	Present a call to several phones in parallel for more efficiency, speed and agility. A user can belong to several groups simultaneously and log-in/log-out from a group.
Multiple triggers for starting notification action: schedule, DID caller number, HTTP request (get or post), instant message.	Handle any situation and automate action when possible, using the multichannel capabilities that enrich the notification process.
API input/output trigger for connected notification scenarios.	Integrate notification capabilities into the workflow using standard HTTP request (for example IoT device, sensor, alarm button).
Location services	Locate a phone (auto-locator feature for fixed phone or mobile handset) or softphone (based on the user inputs) to enhance the emergency response.

Technical specifications

Software release

- OmniPCX Enterprise Communication Server (CS) Release 100 and above

Server requirements

- Software delivery on any appliance server:
 - OS Suse embedded in ALE BootDVD
 - Hardware requirements: Table 1
- Software delivery on:
 - Virtualization platforms (VMware VSphere, KVM Proxmox) - refer to the cross-compatibility matrix for more details
- Native High Availability:
 - Active/active mechanism
 - Hot redundancy

Network requirements

- Multicast supported
- ABC-F IP-trunk and SIP trunk to OmniPCX Enterprise CS

Devices supported

- Multicast available for:
 - ALE DeskPhones: 8008, Essential (IP/NOE mode) models and Enterprise (NOE mode) models
- One-way conference for any type of phone including digital, analog, SIP, DECT, WLAN and softphone.

Capacity

- Conferencing and mass notification: maximum 120 incoming and outgoing calls in parallel
- Several consecutive automatic notification sequences in case of larger population
- Calls recording requires specific disk capacity (refer to Table 1)

Features list

- Multi-tenancy
- Mass broadcasting:
 - IP multicast
 - One-way conferencing
 - Discreet or on speaker phone
 - Optional tone before message
- Call distribution to parallel groups
- Instant messaging (Rainbow) with optional acknowledgment
- Rainbow conferencing management
- Email
- SMS
- Location information :
 - Fixed phones, DECT, WLAN and softphones
 - PSAP ALI databases sync through local provider in USA
- Lone worker protection with DECT
- Multichannel triggers: schedule, DID caller number, HTTP request, instant message
- API triggers: HTTP IN/HTTP OUT
- Call log
- Reporting charts, audit tool for administration activities
- Text-To-Speech (Pico, Google) to adapt the message to the context
- SNMP Trap

Table 1. Technical Requirements

	Minimum	Recommended	More than 1000 users
Processor	Quad-Core 2.4 GHz	Quad-Core 2.4 GHz	Quad-Core 2.4 GHz
Memory	8 GB	12 GB	12 GB
Disk	100 GB	150 GB (500 GB if recording)	200 GB (700 GB if recording)
Network	100 Mb/s	1 Gb/s	1 Gb/s