Vocality RoIP with Rallypoint and Engage Bridge

Modern secure communication systems are often complex to set up and scale; however, the Vocality RoIP with embedded Rallypoint and Engage Bridge software from Rally Tactical Systems simplifies this process.

When activated, the integrated Rallypoint and Engage Bridge enable secure voice communications between connected Rallypoint-enabled devices, forming a simple-to-configure mesh network.

■ The Vocality RoIP can be specified as a Rallypoint for other Rallypoint-enabled devices and third-party software platforms to connect to the RoIP, or the Vocality RoIP can be configured to use an external Rallypoint to create a secure connection with other nodes.

■ Security is applied at a group/channel level, meaning only devices configured to access the group/channel can speak to and hear audio from the group/channel.

■ Connecting two or more Rallypoint-enabled devices creates a secure mesh network (i.e. the connected devices act as a single network), which can be set up quickly and easily. Additional nodes can be added with minimal configuration.

■ The connection topology is flexible and allows for both traditional structured designs as well as more complex configurations, which can also include network/mesh resiliance measures. Once connected, a device can communicate with all the nodes within the Rallypoint mesh network.

At a Glance

Benefits

- Scalability: Easily add new nodes to the network without extensive configuration.

- Security: X.509 certificate-based access and encrypted voice communication ensures privacy and protection of sensitive information.

- Flexibility: Supports both traditional structured node connection designs, as well as more complex/ad hoc configurations, providing versatility in various operational environments.

Nodes Pointing to a Central Rallypoint
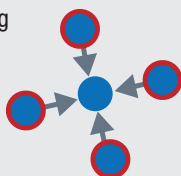

Ad hoc Rallypoint Connection
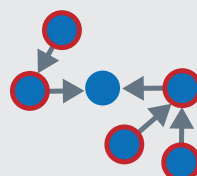
Legend:

● Rallypoint

◉ Rallypoint with an External Rallypoint defined

Solution

Rallypoint and Engage Bridge provide flexibility in connectivity, when linking multiple Vocality RoIPs together. This configuration can be scaled with minimum configuration setup, enabling multiple devices and/or locations to communicate securely with each other.

In a number of situations, a dynamic/tactical non-server based deployment is what's required to get the job done. With Rallypoint and Engage Bridge, the Vocality RoIP can be paired with third-party desktop clients and mobile clients to set up ad hoc communication links.
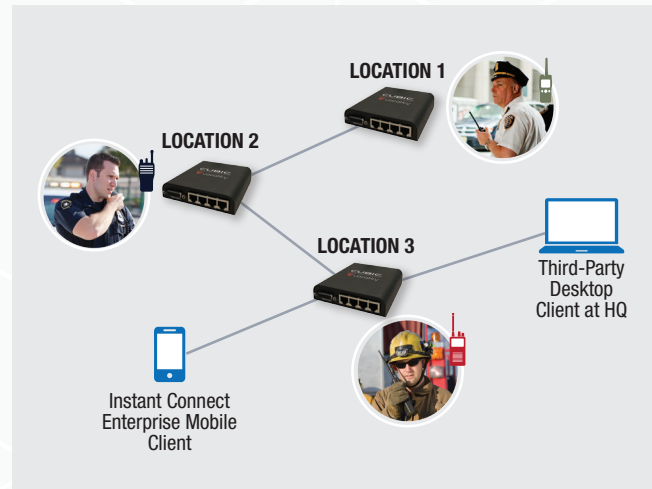
The Vocality RoIP can also be connected to other Rallypoint enabled server-based environments. In the following diagram the Vocality RoIP is connected to a third-party Rallypoint enabled server-based environment which supports real-time voice translation capabilities, allowing the Vocality RoIP to be configured to provide a bidirectional translated audio connection to each of its audio ports.
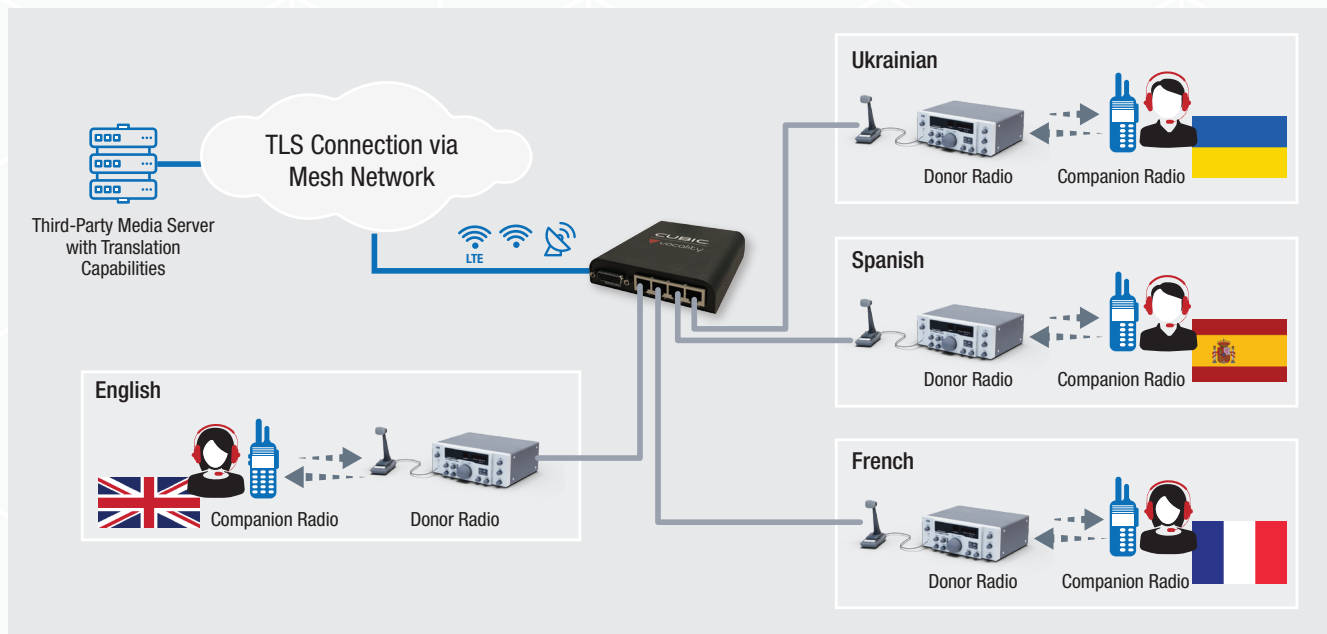
Setup Requirements

- Each connected audio port on the Vocality RoIP requires an activation license (ROIP/SWF/1E) to support Rallypoint and Engage Bridge functionalities. These licenses are subject to US Export Control.

- Vocality RoIP software version 8.3.0 or newer is required.

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