

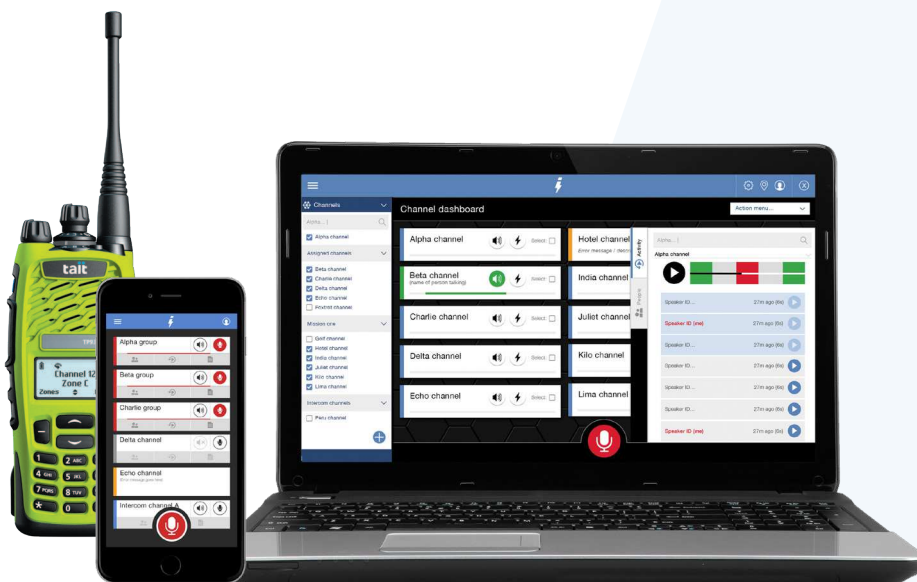
Instant Connect ENTERPRISE

The Instant Connect Enterprise™ (ICE) communications software platform provides comprehensive push-to-talk (PTT) connectivity for the modern workforce.

The ICE platform links mobile, radio, IP, telephony, and command-and-control in a secure, device-independent environment that lets subscribers communicate any way they want, over any network, sharing both voice and data.

The platform consists of a comprehensive portfolio of modular software services. Its broad combination of services resides in multiple containers orchestrated by Kubernetes.

- Up and running in minutes
- Turns any mobile and IP device into a Push-To-Talk (PTT) device
- Self-discovering – auto-discovery and auto-authentication of voice resources, dynamic channel creation, geofences, GIS/GPS, and more
- World's first serverless communications solution – voice communications continue uninterrupted even if the servers go down
- Scalable – supports virtually limitless users with a small IT footprint
- Flexible deployment – on-premises, cloud, or hybrid, however the enterprise prefers
- Highest level of commercial security available today
- Intelligent resilience utilizing Kubernetes – engineered to ensure no single point of failure
- Can help support and enable new automated data-based workflows
- Collapses all devices onto the IP network – radio, mobile, desktop phones, computers, etc.



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At the heart of the ICE solution are the Instant Connect Enterprise Server™ and RallyPoint media bridge, collaborating together to provide the platform's centralized management and cross-network interoperability. You can then add Mobile/Desktop clients and a host of other optional services to build out your custom environment.

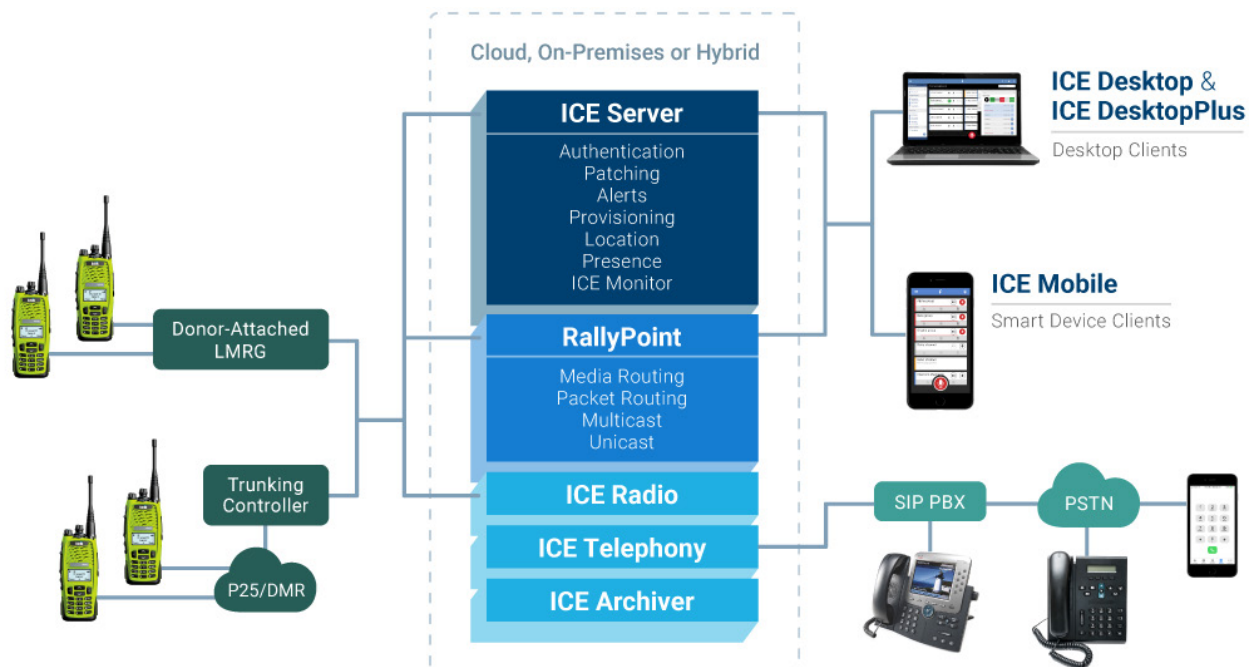
ICE Server™

The Instant Connect Enterprise Server™ provides core authentication, provisioning, channel patching, location, presence, and alerting capabilities. ICE Server also incorporates Instant Connect Enterprise Monitor™, a convenient administrative tool that gives managers visibility into IT utilization metrics including unified error logs. ICE Monitor™ is included at no additional charge.

RallyPoint Media Bridge

RallyPoint is a software component to which ICE clients connect, sending the traffic normally destined for multicast to the RallyPoint via unicast. The RallyPoint, in turn, forwards that traffic to other clients or RallyPoints in the same mission on a group-by-group basis. This is similar in nature to the way in which network infrastructure forwards multicast traffic using the IGMP protocol.

Traffic between an end-user client and a RallyPoint is encrypted using AES256 over a multiplexed tunnel secured using TLS 1.2. So even if a group's traffic is unencrypted (an option on a per-group basis), the traffic is encrypted in the tunnel between end-user and the RallyPoint.





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Clients

ICE Mobile™

The Instant Connect Enterprise Mobile™ client turns smart phones and tablets into state-of-the-art PTT devices with full access to Instant Connect Enterprise's best-in-class feature set. Voice, automated talk groups, auto-discovery of voice assets, dynamic channel creation, and more – the ICE Mobile client puts all of this at your subscribers' fingertips.

ICE Desktop™

The Instant Connect Enterprise Desktop™ client provides desktop, laptop, and other users with state-of-the-art ICE performance. With the ICE Desktop client, the software's PTT and other features are available via any browser.

ICE DesktopPlus™

The Instant Connect Enterprise DesktopPlus™ client offers a higher and broader level of browser-based performance for power users. The ICE DesktopPlus client supports cross-banding and patching of voice resources and other capabilities for advanced users seeking a deeper use of the software.

Additional Services

ICE Radio™

Instant Connect Enterprise Radio™ provides comprehensive, best-in-class radio interoperability connecting the ICE environment to a virtually limitless array of radio networks. ICE Radio allows donor-attached integration with trunked radio systems like P25 as well as other commercial trunked systems. We are on the path to true Digital Radio Interoperability.

ICE Telephony™

Instant Connect Enterprise Telephony™ integrates the ICE environment with public branch exchange (PBX) environments via SIP, giving users seamless access

from the world's public phone networks. ICE Telephony™ lets anyone connect from virtually any phone around the globe.

ICE Archiver™

Instant Connect Enterprise Archiver™ will offer users a reliable, easy-to-use recording service that captures and records audio streams and metadata. With ICE Archiver™, customers will be able to record and archive vital communications streams to meet today's critical auditability and other mandates.



Features and Capabilities

Instant Connect ENTERPRISE

Tactical Missions – Tactical Missions are an easy way to create and manage channels (talk groups) and participate in communication with other users across your organization from your client device. Each mission contains a group of channels with associated users which provide seamless communication via multiple media devices.

Group PTT – Provides the ability for push-to-talk on a shared channel with many other clients. The transmission can be heard by all other clients or resources on the shared channel.

Group PTT Simulcast – Provides the ability to talk on multiple channels at the same time by selecting them before PTT.

Secure Communications – Each channel can be configured for encrypted audio. The audio is encrypted with AES256-CBC encryption algorithm. Client TCP connections are established with TLS 1.2.

Talker ID – The ability to see the alias of the user talking on a per channel basis.

Channel Participants – The ability to show the list of participants on a per channel basis.

GPS Mapping – The ability to provide location updates on each device. The clients use the built-in maps to display the location of each client on a per channel basis.

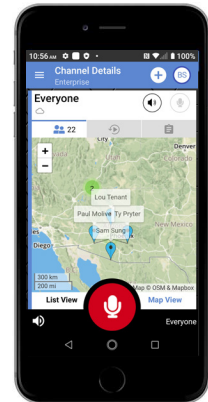
Talker History – Provides the ability to show user ID of each PTT transmitted or received in history on a per channel basis.

Instant Replay Audio – Each channel on an ICE Client will provide the ability to replay audio received within the configured time frame.

Private Channel 1:1 – Ability for two individuals that are participating within a common channel to communicate privately with one another. Private calls are initiated by selecting a user from the presence status of an existing channel.

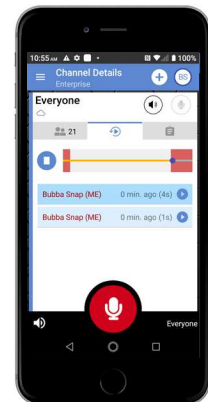
Private Channel 1:Many – Ability for any user to create a channel between them and one or more other colleagues. Intercom channels are created by finding and selecting other users from an address book.

Address Book – ICE clients provide users the ability to enumerate all the users in the organization and view details about them – name, contact information. Online / Offline presence state is displayed for each user in the list. Selecting a user displays the details of the user selected.



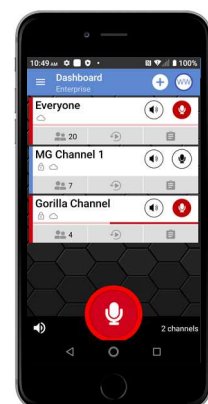
MAP VIEW:

With GIS/GPS location tracking, you always know where the team is.



INSTANT REPLAY:

You can replay any audio to meet compliance, auditability, or other enterprise needs.



MULTI-CHANNEL:

Communicating across single or multiple selected channels is fast and easy.



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Server Environment

Low Resiliency (Single Node)

Up to 5,000 Users

Up to 1,000 Users

8 CPU Cores

32 GB RAM

500 Gig Disk Space

Up to 5,000 Users

16 CPU Cores

48 GB RAM

500 Gig Disk Space

High Resiliency (Kubernetes Cluster)

Unlimited Users

For Every 5,000 Users

8 CPU Cores

32 GB RAM

500 Gig Disk Space

Desktop

The client PC must meet the following minimum requirements:

2 CPU cores

4 GB RAM

At least 350 MB of free HDD space

Microsoft Windows 7 Enterprise 32-bit or 64-bit

Windows 8 64-bit

Windows 10 Enterprise 64-bit

Android OS - Mobile

Android 7.1 and later



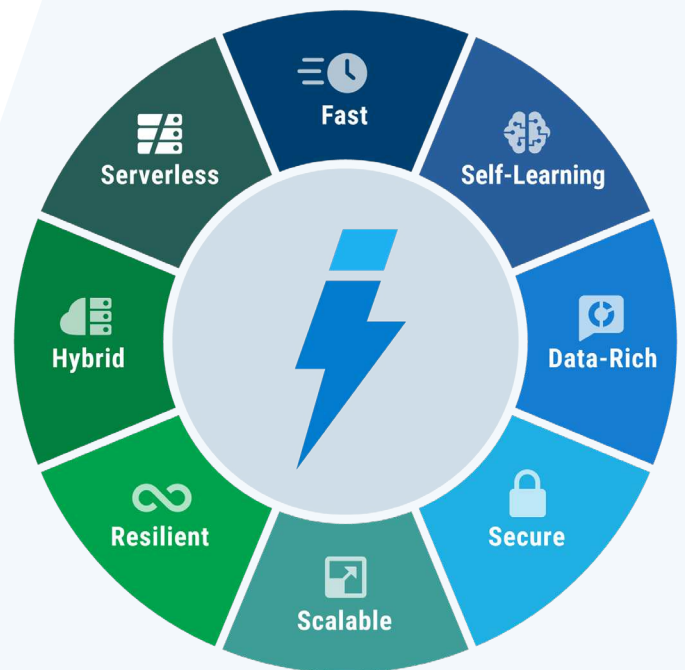


About Instant Connect

Instant Connect Software LLC is the global leader in smart communications. We provide enterprises with best-in-class PTT communications software that keeps the modern workforce connected, productive, and safe.

Instant Connect Software is an affiliated company of the Dillon Kane Group, a Chicago-based provider of innovative technologies for diverse industries since 2002. As a trusted Cisco partner, the Dillon Kane Group purchased Instant Connect from Cisco in 2018. The Instant Connect leadership team joined us in the transition from Cisco. We have poured game-changing resources and investment into Instant Connect since then, leveraging our unique mix of business, technology, and financial expertise to propel Instant Connect to the next level in interoperable push-to-talk communications.

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