

## Selecting The Right Cloud Service For Your Location

*Wondering which cloud service is right for you?*

There are many advantages to deploying IP phones over legacy analog phones, however, providing network connectivity for emergency communication devices can be challenging. Whether the emergency phone is in a remote area, the end user does not have a VoIP-capable PBX, the IT group will not approve VoIP traffic on their corporate network, or another roadblock, it can be difficult to make the right choice.

There are three primary solutions most end users choose as a solution to their IP connectivity problems:

**Did you know?**

By deploying a cloud configuration, there are many benefits including lower infrastructure cost, network design flexibility, scalability, and redundancy options.

To learn more about Code Blue's cloud options, email [sales@codeblue.com](mailto:sales@codeblue.com).

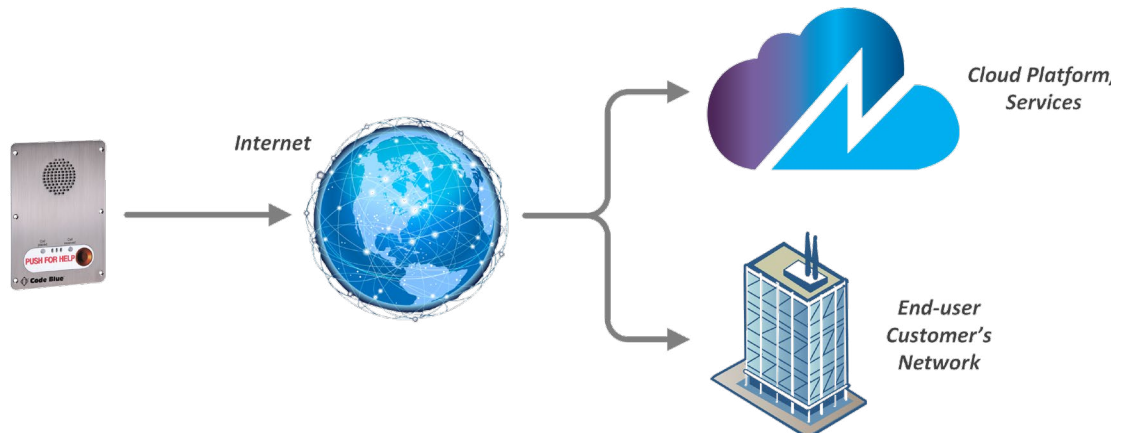
### 1. Managed/ Consumer Cloud



### 2. Private Cloud



### 3. Hybrid Cloud



Note: Specifications subject to change without notice or obligation on the part of Code Blue Corporation.

Here is a brief explanation of the solutions provided by Code Blue:

## 1. Managed/Consumer Cloud

Managed/Consumer Cloud provides a cloud-based, **fully managed platform**. It is a quick and easy way to deploy IP phones by providing functions like SIP registration, diagnostics, e911/DID functionality, call routing and more to help end users reduce the cost of their infrastructure, configuration labor and ongoing maintenance.

While the phones are usually connected to the cloud using 4G LTE or 5G Cellular IP, other methods can be used, including wired and Wi-Fi Internet connections. Managed Cloud devices are preconfigured and fully managed, providing peace of mind for the end user. The most up-to-date software releases are also included, eliminating the need for investing time and resources to perform those updates.

Another way of looking at it: *It's a network off your network.*

### Managed/Consumer Cloud (Voice Only)

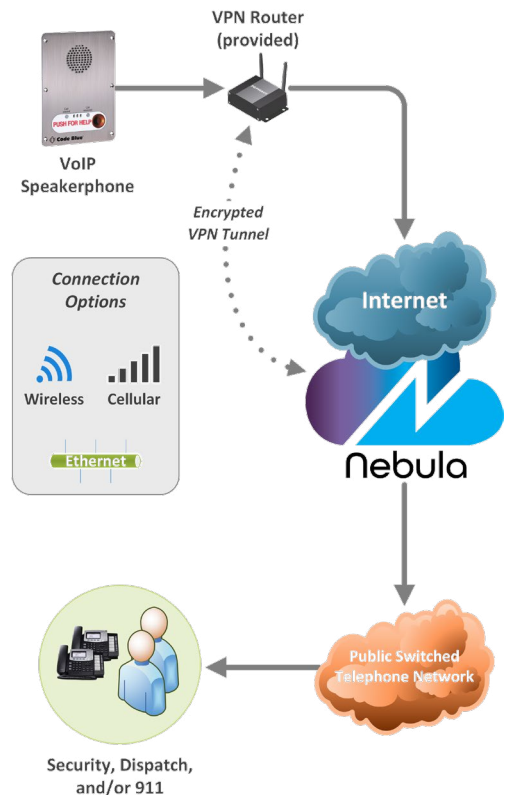


**Voice Calls:** SIP registration and call routing performed by a cloud-based private branch exchange phone system (PBX).



**Managed Cloud:** Administered by the cloud-service provider.

**Consumer Cloud:** Administered by the cloud-service provider and/or customer.



### Icon Legend



= Cloud Services



= System Management



= VPN Connection to End-user Customer's Network

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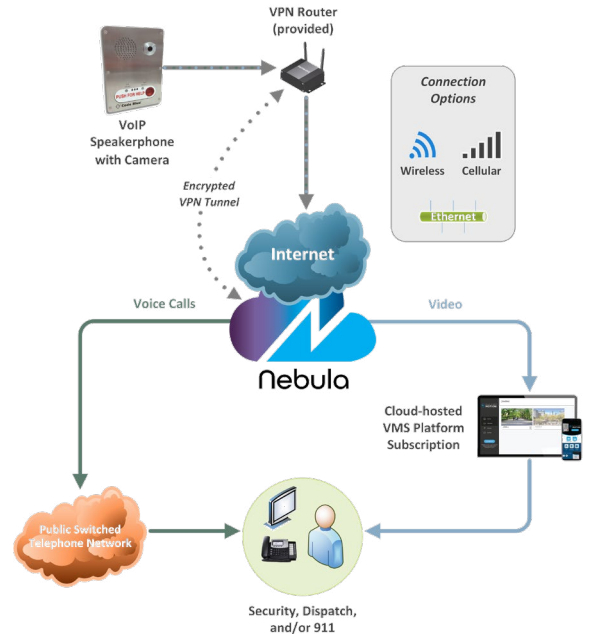
## Managed/Consumer Cloud (Voice & Video)



**Voice Calls:** SIP registration and call routing performed by a cloud-hosted private branch exchange phone system (PBX).



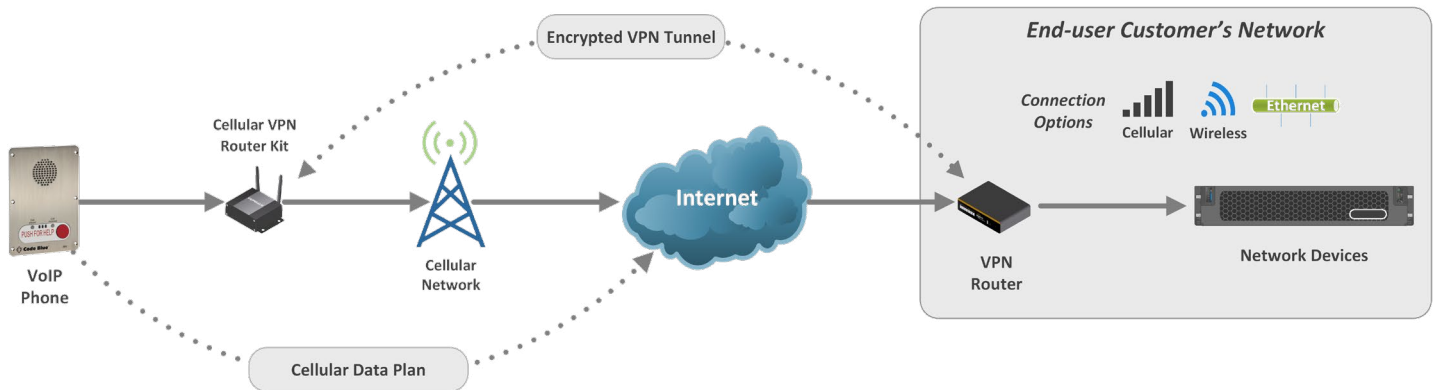
**Video:** Cloud-hosted video management system. Recordings can be viewed, downloaded, archived, and played back with just a computer, tablet, or smartphone.



## 2. Private Cloud

Private Cloud provides the transport necessary to connect emergency communication devices and security cameras to network devices on the end user's network, supporting both voice and video communications. These platforms are typically located at the end user's headquarters or IT hub (data center, network server room, etc.), but can also be situated anywhere with a corporate network connection.

The end user's voice platform handles all call routing and additional features, while their video management platform supports video streaming, recording, and other functions. Similar to Managed/Consumer Cloud, devices often connect to the cloud using 4G LTE or 5G Cellular IP data plans. Wired or wireless internet connections are optional and can serve as redundant connections for automatic failover.



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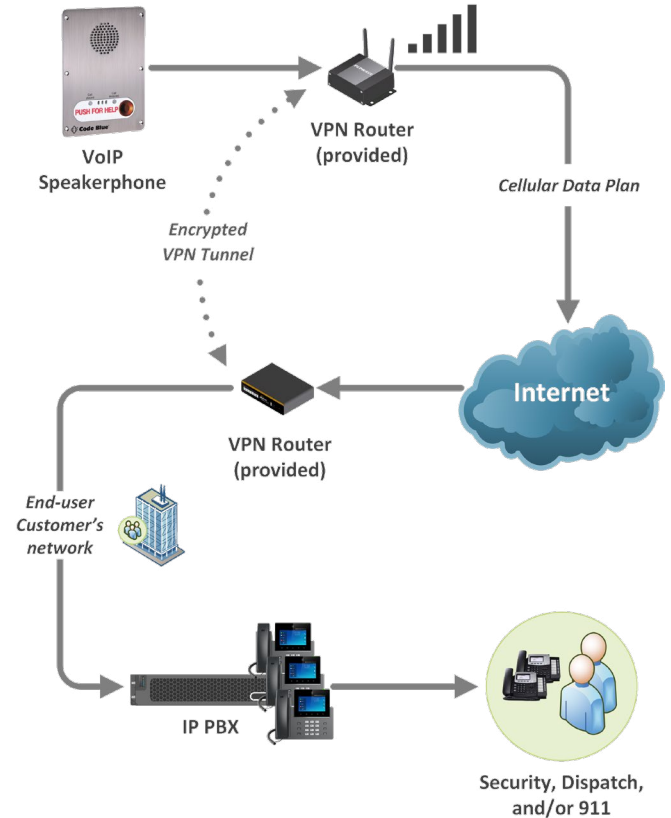
## Private Cloud (Voice Only)



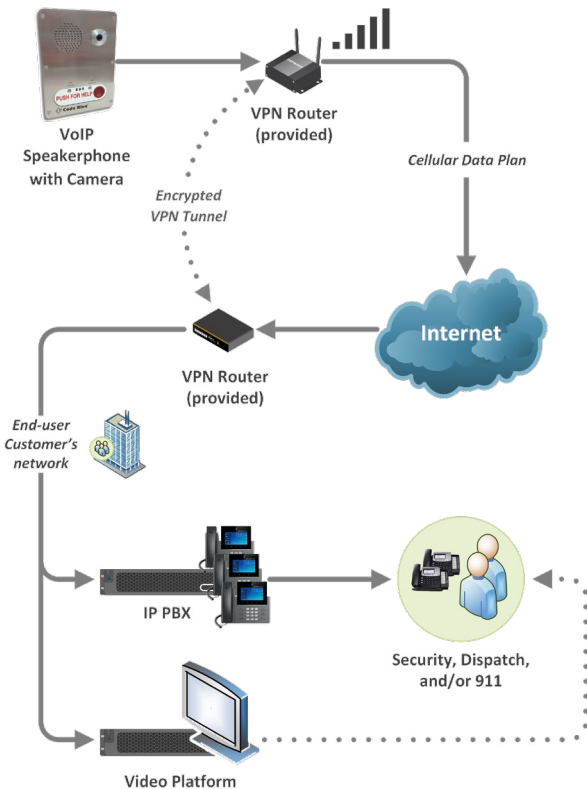
**Voice Calls:** SIP registration and call routing performed by **the end-user customer's** private branch exchange phone system (PBX).



Connection established between two VPN routers using an encrypted VPN tunnel.



## Private Cloud (Voice & Video)



**Voice Calls:** SIP registration and call routing performed by **the end-user customer's** private branch exchange phone system (PBX).



**Video:** Video streams to a video management system connected to the end-user customer's network.



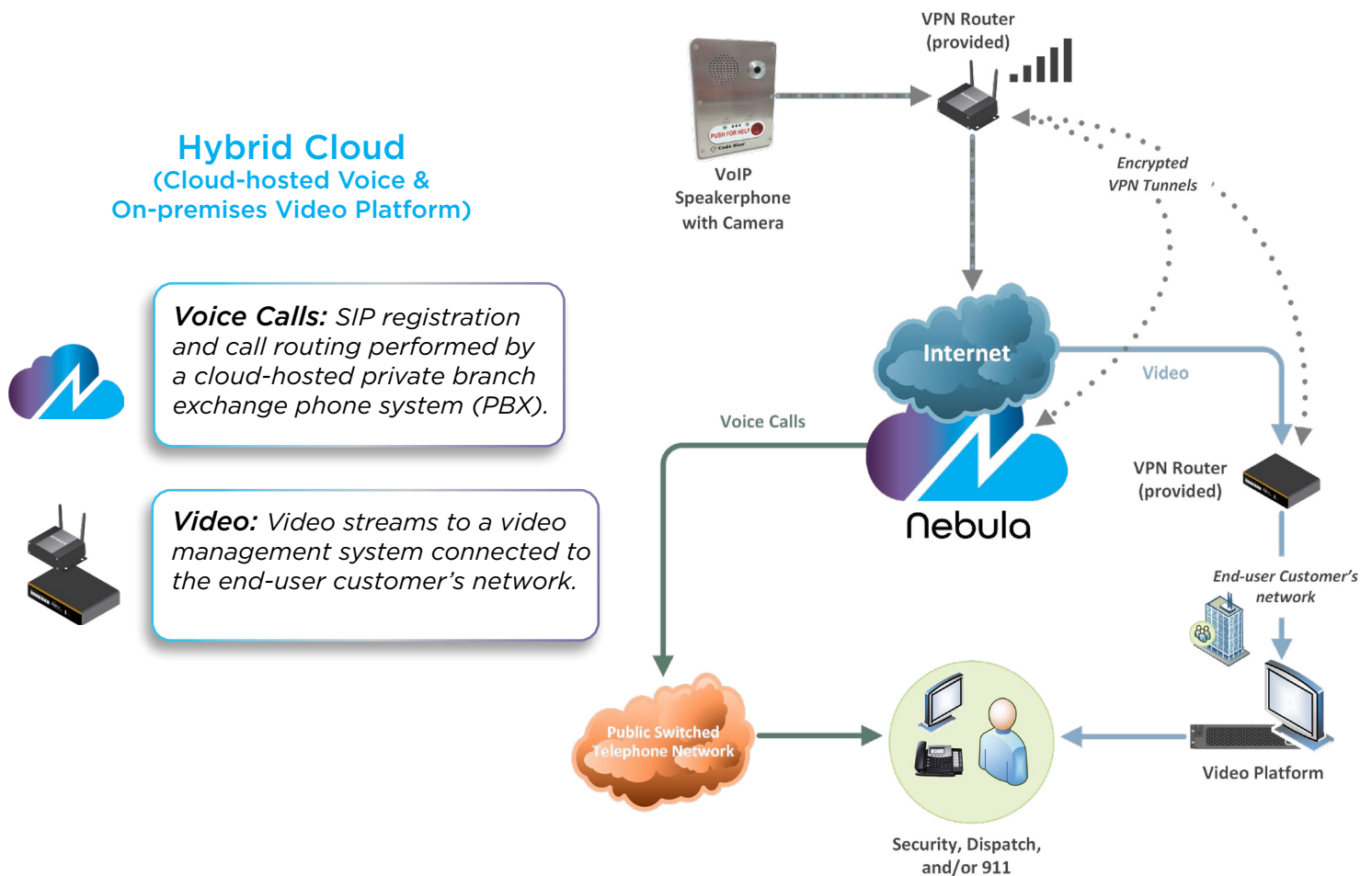
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## 3. Hybrid Cloud

A Hybrid Cloud combines Managed and Private Cloud features and functionality. It creates a network infrastructure that can grow and change with your needs.

For example, let's say you want to connect most of your units to an existing network using Private Cloud, however, there are a few offsite locations you would like to connect to a Managed Cloud, primarily for testing, diagnostics, and peace of mind they are always operating nominally.

Another great example of a hybrid cloud is combining voice and video. This lets you choose the most cost-effective option - the cloud for features you use often, and your existing system for the rest.



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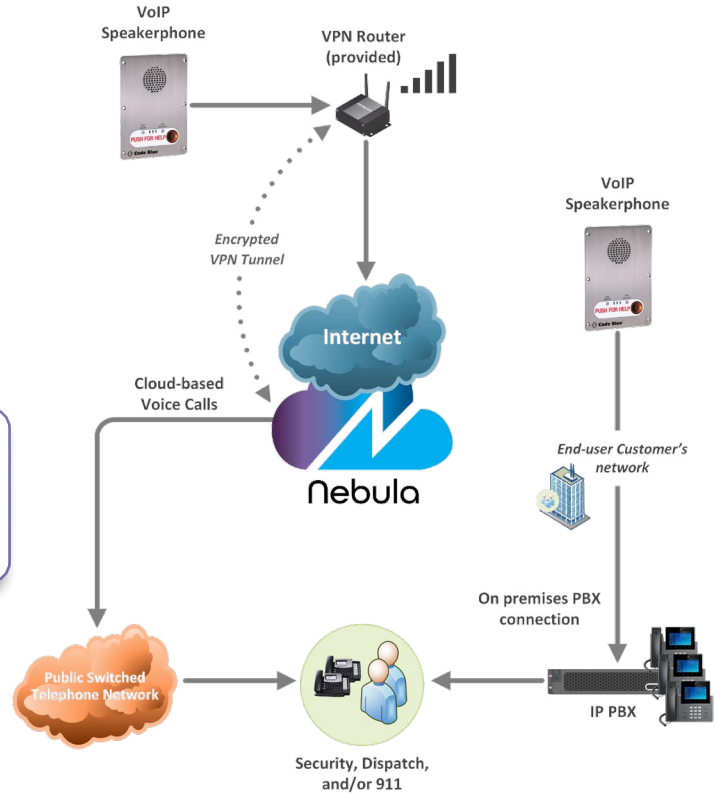
## Hybrid Cloud (Cloud-hosted Voice & On-premises Voice Platform)



**Voice Calls (Cellular IP):** SIP registration and call routing performed by a cloud-hosted private branch exchange phone system (PBX).



**Voice Calls (Local Area Network):** SIP registration and call routing performed by the end-user customer's private branch exchange phone system (PBX).

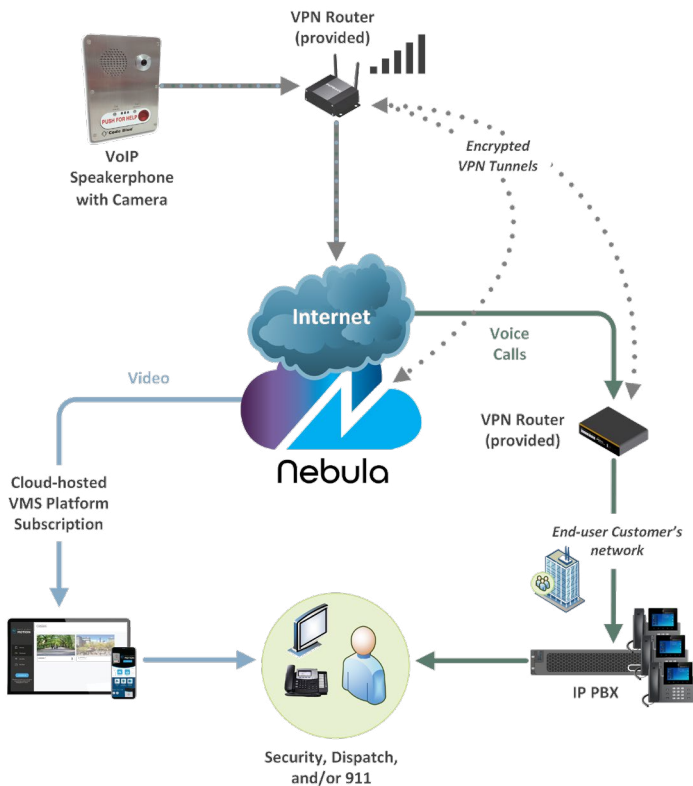


## Hybrid Cloud (Cloud-hosted Video System & On-premises Voice Platform)

**Voice Calls:** SIP registration and call routing performed by the end-user customer's private branch exchange phone system (PBX).



**Video:** Cloud-hosted video management system typically sold on a subscription basis.



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