

# Wearable, Mobile, P-of-V, Wireless Video Service Delivery Network Application

## SUMMARY

5G-EPICENTRE's Wearable, Mobile, P-of-V, Wireless Video Service Delivery Network Application aims to use wearable video solutions with a video camera is worn on an ergonomically designed headset. This camera sends live point of view video to a healthcare professionals. Real-time video of emergencies can benefit all stakeholders, when the video is relayed. Using point of view video from the paramedic to the remote scene allows for quicker delivery of, for example, clot busting drugs, which can benefit patient outcome.

The deployment of this video region cloud can be coordinated from an orchestration service in the main cloud, this orchestration service also provides any configurations required to run the containerized NFs.

## CONTACT

For more information, do not hesitate to visit the website <https://www.5gepicentre.eu/> and/or contact the 5G-EPICENTRE team.

Contact the 5G-EPICENTRE team by filling in the form provided. Apply here!

Follow Us on our social media for more Network Applications updates:



## ARCHITECTURE & DEPLOYMENT



This vertical system will interact with 5G-EPICENTRE's cloud-native environment and the underlying 5G infrastructure as shown in the Figure below.

The solution is based on managing a small fully containerized cloud with video routing elements, in yellow in the picture which we call the video region cloud. While the main management of the Network Application is on a global cloud, the actual video elements are meant to be placed closer to users to both improve performance and security. This deployment is meant to scale horizontally based on load.

This video region cloud is composed of 1 to N WebRTC Servers that distribute video as required and 1 to N load balanced Turn Server that coordinate video transmission handshakes and can act as relay over firewalls. The Green boxes are meant to show how the services are in relation to a 5G Core, in case the video region is deployed in an edge cloud or in a regular cloud. The main cloud in BlueEye is also responsible for Network Application-level management and control, such as assigned and directing users to connect to the proper video region for the video transmission they want to see or broadcast..

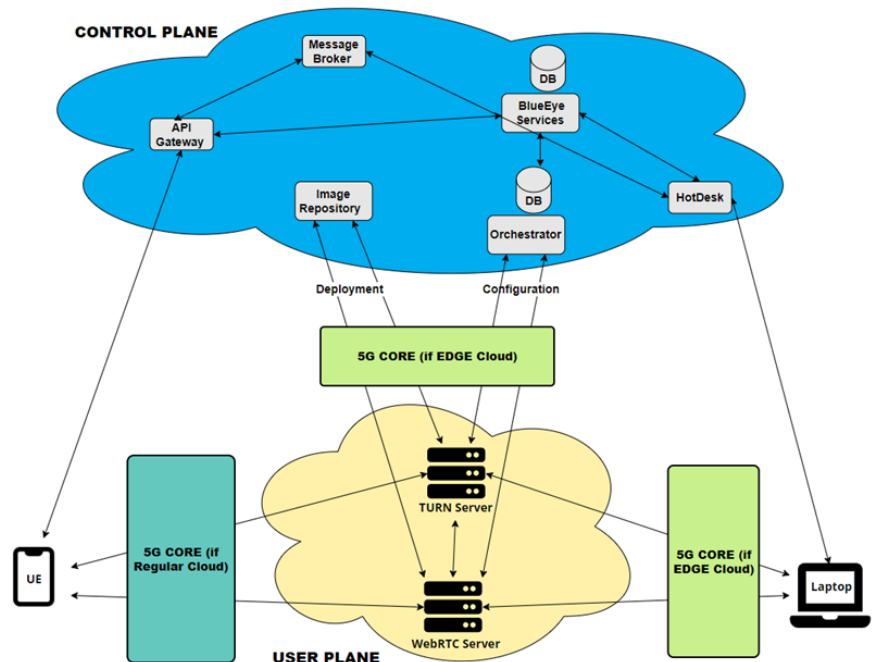


Figure: UC5 vertical system under test - specific architecture

