Ericsson Cloud VoLTE
An industrialized solution for deploying VoLTE on a Cloud Datacenter

Ericsson Cloud VoLTE is an industrialized solution ideal for service providers who desire to introduce VoLTE to an existing mobile broadband service for any number of subscribers on their cloud datacenter.

The solution consists of IMS VNFs deployed on an existing service provider cloud datacenter based on either Ericsson NFVI, RHOSP or VMware. Ericsson Cloud VoLTE includes a verified blueprint solution design, preparation and planning guidelines, and a specialized deployment team to support activities either on-site, off-shore, or both. Ericsson Cloud VoLTE includes staging, deployment, acceptance test, and performance test capabilities to onboard and confirm performance on a service provider’s specific cloud datacenter. After initial deployment, these capabilities are repeatable to allow for continuous delivery of new software releases.

The solution is an ideal foundation to launch VoLTE in a cloud datacenter, evolve with additional user services and scale to growing network needs. With cloud agnostic VNFs, configuration automation tools, test automation tools, and our trained teams, Ericsson Cloud VoLTE will maximize the value of your cloud datacenter.

Benefits of deploying VoLTE with Ericsson industrialized cloud-based solutions

- Single VNF SW track
- Enables extension to other Ericsson solutions
- Move VNFs easily between data centers
- Hardened in large deployments
- Cloud agnostic
- Standard open interfaces
- Carrier grade solutions
- All customer input collected in a single round increasing quality and shortening TTM
- Delivery made easy through automation
- Minimized integration to external nodes
- Professional services to support site engineering, VNF onboarding, integration, and test
- Specialized delivery team leveraging global experiences
- One delivery team - no project handovers

Deploy VoLTE in weeks
Launch VoLTE easily in your cloud datacenter

Automated deployment and test
The Ericsson Cloud VoLTE solution includes automated tools and processes to ensure rapid and successful delivery of the solution onto Ericsson NFVI, RHOSP, and VMware cloud data centers. These automations are co-developed with product development and the central delivery team as part of the pre-testing and benchmarking process. This includes automated VNF staging and configuration to customer network and service requirements, as well as automated functional and non-functional testing to ensure performance requirements are satisfied.

Confirm performance directly on your cloud
The Ericsson Cloud VoLTE solution is cloud agnostic and developed to excel on CEE, RHOSP, and VMware clouds running on standard x86 HW, networking, and storage. The solution is continuously verified and benchmarked on industry standard clouds. With our pre-tested automation tools and processes Ericsson will onboard, confirm functionality, and confirm performance directly on your cloud, saving time and complexity in a delivery project.

Leverage the power of your cloud datacenter
The Ericsson Cloud VoLTE solution offering is centrally designed, tested and delivered to make the most of your cloud datacenter. Along with minimizing cloud infrastructure requirements, the solution and automation tools are designed to adapt to the unique attributes of each service provider cloud data center. After a smooth initial delivery, the tools and processes are tuned for repeatability when adapting to new infrastructure, capacity, or services. Ericsson Cloud VoLTE will evolve with your cloud datacenter.

Ericsson Cloud VoLTE benefits

- **Speed**
  Automated deployment and test

- **Simplicity**
  Confirm performance directly on your cloud

- **Agility**
  Unleash the power of your cloud datacenter

Launch VoLTE easily on your cloud datacenter
Ericsson Cloud VoLTE

Included products
The Ericsson Cloud VoLTE solution includes the following network functions:
- vCSCF (Call Session Control Function)
- vMTAS (Mobile Telephony Application Server)
- vSBC (Session Border Controller)
- vMRF (Message Resource Function)
- vIPWorks (IPWorks)
- vAFG (Authentication Federation Gateway)
- vEDA (Ericsson Device Activation)

Included functionality
The Ericsson Cloud VoLTE solution baseline includes integration and support of the following:
- VoLTE Supplementary Services
- Single Radio Voice Call Continuity (SRVCC)
- IMS Centralized Services (ICS)
- Offline charging enablement
- Fault and Performance Management enablement
- EPC interworking
- IMS/MSS interworking
- Mobile Number Portability (MNP)
- Self-Service management
- Subscriber provisioning
- Lawful interception interfaces

You have ...
User data management
Mobile Broadband
Cloud Datacenter
RedHat/VMware/CEE
HP/Dell/HDS

We deliver ...
MTAS
CSCF
SBC/SBG/BGF
DNS
RDNS (DNS/ENUM/RHI)
MRF
AFG
EDA

You launch
VoLTE in service
NW Management
Charging and Provisioning
IMS Central Services
Circuit Switch Break-out/in
Self-service Management
Lawful interception
SRVCC

Central delivery team

From the smallest reference configuration, the solution can easily scale to meet the capacity demands from a growing VoLTE market.
Do you want to know more about how to deploy Ericsson VoLTE?

Find some examples of what other service providers have done:

More about Ericsson Voice Services:

More about Ericsson VoLTE: