

A-Core Container

Which mode is better for 5G base station communication



Overview

Non-standalone and standalone are two 5G deployment modes that differ on how they provide connectivity. Learn the differences between NSA vs. SA 5G.

What is the difference between a base station and a 5G network?

In a mobile network, there is a base station (also called core), radio antennas, and an end device (smartphone, tablets, etc.). In an SA 5G network, the base station, aka core, is entirely built on the 5G specification, which is devised by the 3GPP (organization that develops standards for mobile telecommunication).

What is the difference between 5G SA and 5G NSA?

Standalone 5G or 5G SA is a deployment mode that allows a mobile operator to build an end-to-end 5G network using 5G radio and core network components; non-standalone 5G or 5G NSA is a deployment mode that only has a 5G radio network that works with a 4G LTE core network (EPC – Evolved Packet Core).

What is 5G NSA mode?

There are two modes in which 5G networks are deployed. These are standalone or 5G SA mode and non-standalone or 5G NSA mode. Both refer to two different 5G deployment architectures and each has its different specific network configurations, capabilities, and limitations.

What is a standalone 5G network?

Standalone 5G, also known as 5G SA, is a type of 5G New Radio (NR) network deployment that uses an end-to-end 5G network, including a 5G radio network, Next Generation Radio Access Network (NG-RAN) and a 5G Cloud-Native core network (5GCN) to deliver basic and advanced 5G cellular services.

What is a standalone 5G deployment architecture?

Standalone 5G deployment architecture or 5G SA mode is a complete or full

and native 5G network deployment that uses actual fifth-generation cellular network infrastructures to support all the advanced features and capabilities of 5G technology. A particular 5G SA network operates with dedicated and independent 5G base stations.

What is the difference between 5g and 4G?

NSA: In NSA networking, 5G and 4G communicate on the access network layer, which is complex. SA: In 5G SA networking, 5G is isolated to 4G. They are communicating on the core network layer and the connection is simple. 3. Different access technology

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