



Virtual and Open Radio Access Networks – June 2020

How vRAN and open RAN are reshaping the RAN establishment



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Abstract

This report takes a deep dive into the virtualization of radio access networks (vRAN) and analyzes the various schools of thoughts ranging from basic virtualization of RAN functions to new open architectures such as OpenRAN, Facebook's TIP initiative and the ORAN Alliance, designed to cut the dependency on proprietary RAN equipment supplied by the traditional vendors. The vRAN segment is taken from our existing RAN size and forecasts and broken down by 2G/3G4G versus 5G as well as CU/DU, RU for each region, and also looks at the potential for indoor DAS replacement. The report covers a wide emerging ecosystem of dozens of vendors.