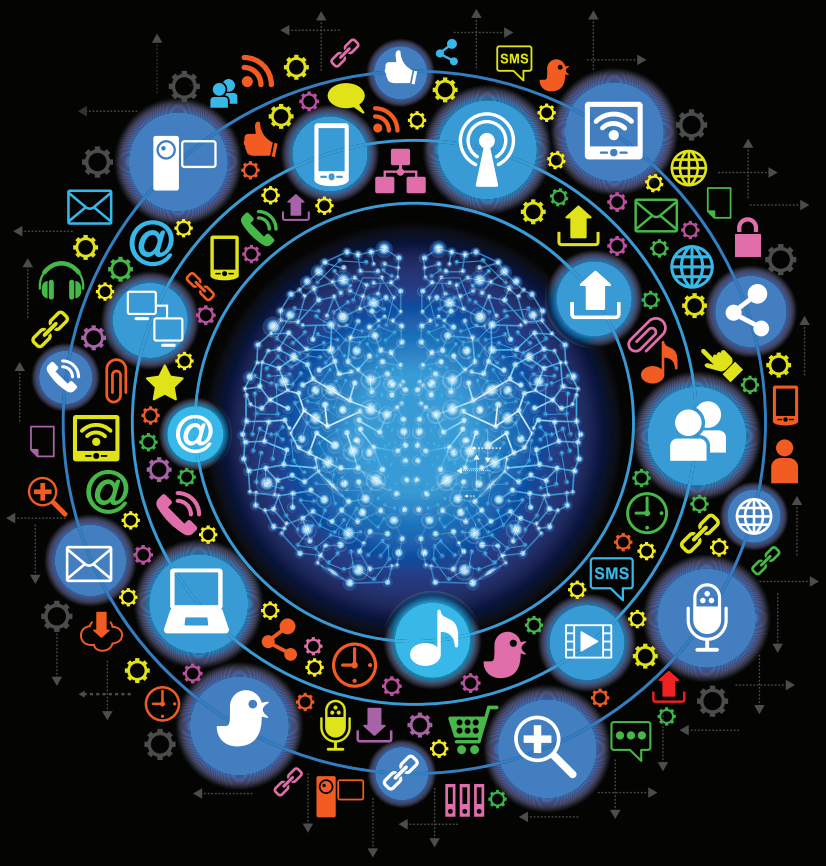
evolution to content optimized networks



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Evolution to Content Optimized Networks

The ongoing research, development, and standardization of named content networking solutions will offer network operators, and the larger content ecosystem, an opportunity to fundamentally change the current paradigm for how content is discovered, delivered, and consumed by devices, people, and things. Over the last few decades, IP networks have leveraged a broad range of IP point solutions and overlays to meet the growing demands of mobility, content delivery, and new applications. From a practical standpoint, the evolution to Content Optimized Networks (eCON) could be achieved through a number of different deployment paths, timelines, architectural approaches, and technology choices. This report summarizes a technology assessment undertaken by the Alliance for Telecommunications Industry Solutions (ATIS) and provides a basis for understanding the current network challenges, drivers for evolution, architectural alternatives, and target opportunities for early deployment.

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