

Parlay architecture

Today's service, switching, and transport networks are vertically integrated or intertwined that is, operators generally have separate telephone, data, and broadcast networks. By contrast, the next generation networks will employ a common switching and transport layer as connectivity network. This shows a need for a transition from a vertically integrated network to a horizontal network, where transport and switching functions can be shared by numerous service providers

For such a horizontal network, an open technology independent service interface is needed. The Parlay Group thought the Parlay/OSA with that aim. It provides an additional layer of abstraction for the application developers, and enables telecom operators and service providers to offer the same services to all existing underlying networks: fixed networks, IP networks, and all mobile standards without having to adapt applications to network specific protocols.

Our presentation will focus on:

- Overview of parlay/OSA (genesis and evolution);
- Logical architecture of Parlay/OSA;
- Standardization of Parlay;
- Benefits (operators, applications developers and users).