

Convergence: Trends and Challenges

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Outline

- Convergence
 - Definition, components and use cases
- Industry Trends
- Challenges

What are Convergence devices?

- 2 ways to look at convergence devices –
 - Voice and data (and by extension, services and applications) in one device
 - Confluence of various wireless technologies in mobile devices
- Underlying thought process –
 - Laptop meets mobile phone
 - Single device offering seamless mobility, internet, music, television, location-based services, gaming etc.
- Example –
 - Hybrid of Apple iPhone and Air?

Convergence devices radios

- Cellular – 3G, 4G
- Fixed wireless broadband – WiMAX
- WiFi
- Bluetooth
- GPS
Mobile TV
- FM
- Others (Zigbee, RFID, UWB etc.)

Use Case – A day in tomorrow's life

