Room Area Network

UNIQUE PRIVATE WIFI

What is the Room Area Network?

The Room Area Network (RAN) is a unique network technology developed by Wifirst, which creates a **secure connection bubble "My Virtual Box"** for each user while retaining the advantages of a collective WiFi: a single network that is accessible throughout the entire establishment.

The devices within the same space (such as each room in a hotel, each student in a residence hall, each business in a coworking space) are connected with a **dedicated password** and operate on the same private network. This setup prevents interference with neighbouring networks.

This secure connection bubble allows for seamless inter-device communication, simplifies the connection process for users, and provides a **like at home connection experience.**
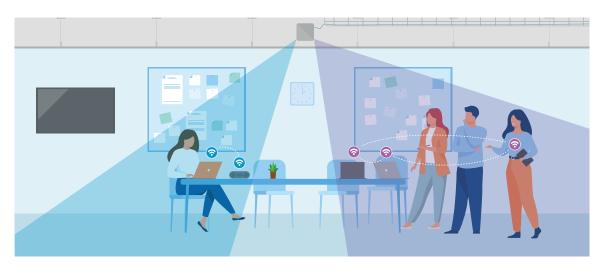
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The advantages of RAN

Security: RANs are entirely independent connection areas, ensuring complete security in a collective WiFi environment.

Scalability: the RAN facilitate the easy addition of future services, such as Chromecast, TV, connected speakers, and more.

Simplicity: With RAN, there is no need to install additional network equipment, as the solution leverages the existing Wifirst WiFi infrastructure.

Representing RAN in a coworking space

Wifirst services

- **Needs analysis and architecture:** Wifirst identifies use cases and determines the appropriate access modes (WiFi captive portal, TV portal, or Wifirst Center)

- **Installation:** Wifirst configures all network equipment as required.

- **Maintenance and supervision:** Wifirst ensures the RANs remain operational and provides a supervision interface for the connected equipment

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