

Answers for Session 1a - Evolution of Wi-Fi

1. How did Apple introduce Wi-Fi to access the internet without access points released first?

Wi-Fi routers were introduced in the year (1989-1989). Steve Jobs introduces Apple iBook, the first device commercially shown that can connect to Wi-Fi (1999)

2. Was the iBook following the 802.11 standard?

Yes, the iBook followed the 802.11 standard. The first iBook, released in 1999, supported the 802.11b standard.

3. Why not use multiple access points instead of using multiple extenders..?

Generally backbone network to AP's comes from Ethernet

Extenders use wireless backhaul, whereas if we deploy multiple AP's (configuring with the same SSID) generally have wired backhaul.

For smaller areas, extenders prove valuable as they amplify or enhance the signal from the existing access point.

However, for larger areas, the optimal approach is to deploy multiple access points. Utilizing a wired backhaul not only enhances performance but also minimizes path loss.

Also, considering a home environment it's not practical to have multiple wired connections in a house as normally there is only one point in the house where we can get the wired connection.

4. What is meant by PAR (in use cases under the slide of Wi-Fi technology life cycle/ industry ecosystem)

In the scenario where a company or a group of companies wants to compile a document seeking a list of use cases, such as enhancing security measures, the document structure used for this purpose is known as the Project Authorization Request (PAR). The PAR functions as a formal request for approval or authorization to initiate a project.