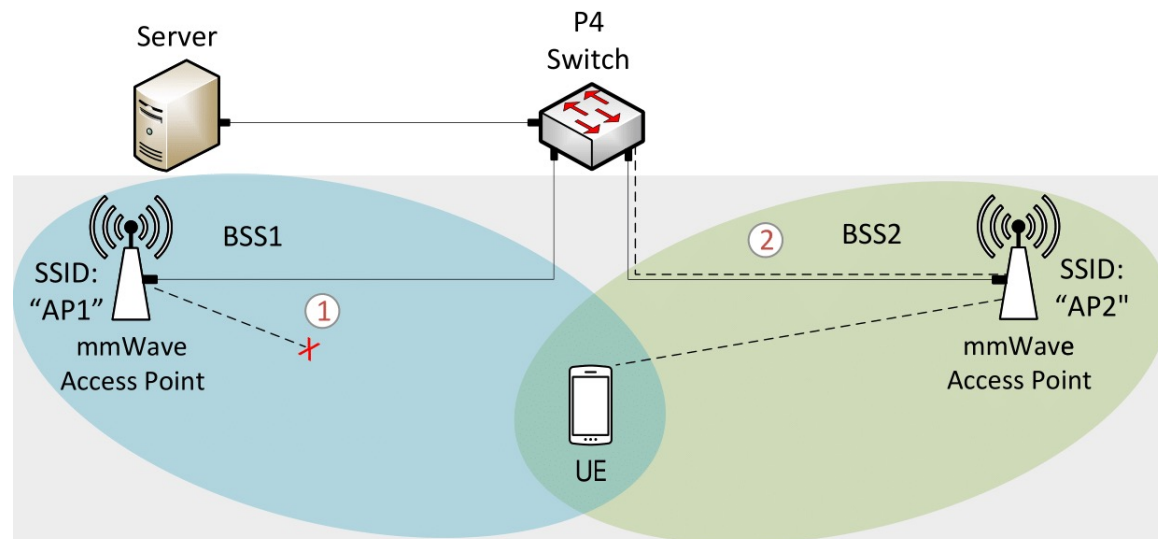


Enhancing Blockage Detection and Handover on 60 GHz Networks with P4 Programmable Data Planes

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- Upon blockage, the inter-arrival time (IAT) of the packets increases by multiple folds
- The system leverages programmable switches to monitor the inter-arrival time (IAT) of the packets
- Using the measurements, the programmable switch detects the blockage and then notifies the end user to handover



SSID: Service Set ID

BSS: Basic Service Set

②: Traffic rerouted to AP2

.....: Flow of data

—: Direct link

✗: Blockage

①: Blockage occurred

