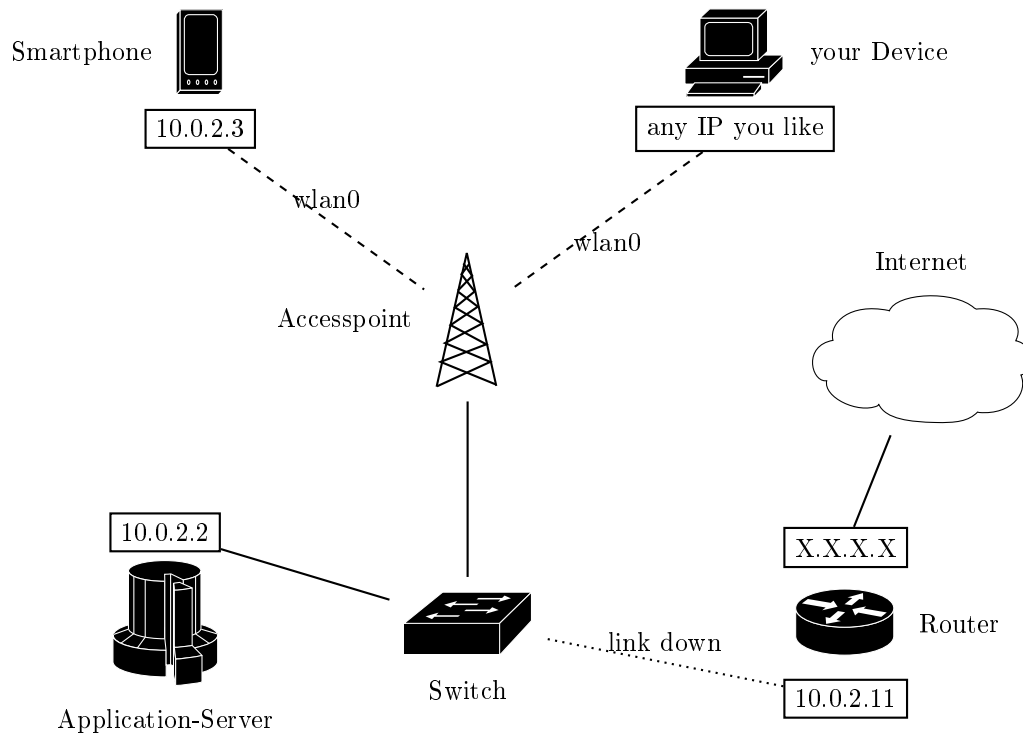


Information for Task 3

Network topology

The following figure shows the network topology of *cafe Maranello*.



Data for wlan0

SSID: #####

WPA2-PSK: #####

Phone numbers database (example)

| Name | Number on server | Number to replace |
|-------------|------------------|-------------------|
| Frank | 1234567890 | |
| Jim | 35345332 | |
| Tom | 8322455322 | 743323335 |
| Heribert T. | 0983342243 | 55234572 |
| Klaus K. | 546723225 | |
| ##### | ##### | ##### |
| ... | ... | |

Notes

All # placeholders will be replaced by the actual values at the exercise interview.

Your task is to inject phone numbers in the app of task B2. This attack has to be demonstrated at the at the exercise interview. For this demonstration the infrastructure which is shown above will be set up by us. We will also provide the smartphone (or similar device) with the installed app. You have to modify the network transfer in order to display the wrong phone numbers on the mobile device. The list of numbers to inject will be provided at the exercise interview (similar to the table above).

You are allowed to use all your own equipment (for example Notebooks, Smartphones, Tablet-PCs, ...) to perform your attack through the wireless network. You are not allowed to touch any other device. I.e. you are not allowed to modify the Smartphone, the Application-Server or the Accesspoint. Connecting your device to the network via cable is also not allowed.

For the accesspoint and the switch a combined device can be used. This does not influence the generic infrastructure, as the device works like shown in the figure above. We just use the built in switch of the accesspoint.