

Captive portal API hackathon

IETF 106 - capport

November 2019

Capport API: use-cases

Usage information

Allow users to view how much time or data is left, possibly notify them when it runs out.

Session management

Allow users to view details of their plan, and modify it (extend, upgrade/downgrade).

AP-published information

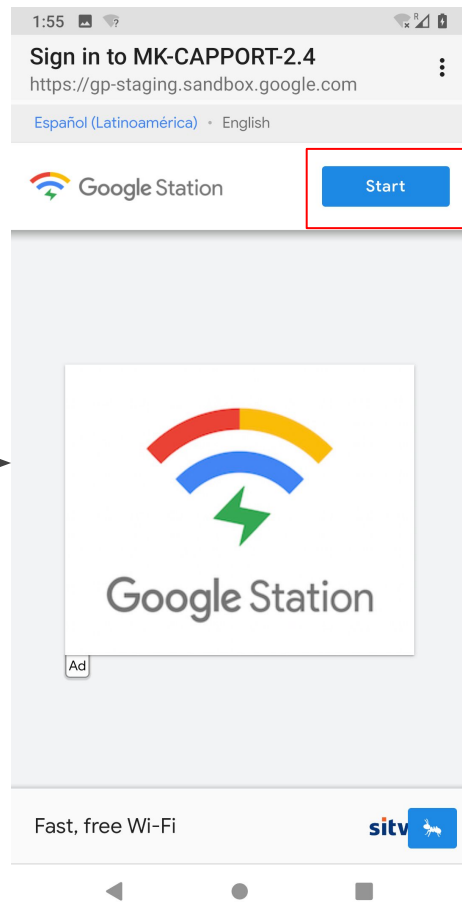
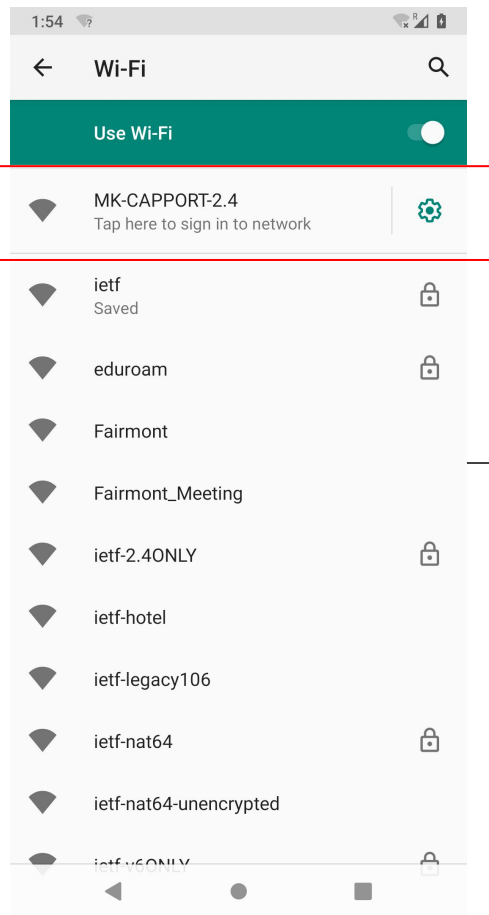
Allow users to view information published by the venue: in-flight entertainment, schedules & timetables, etc.

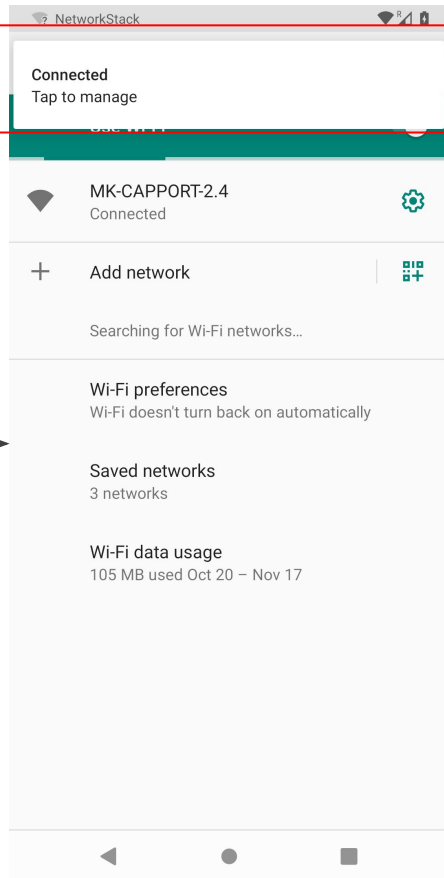
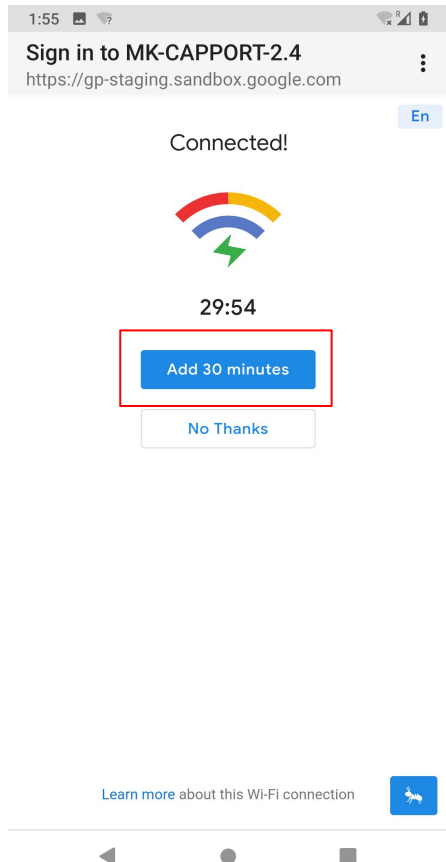
General flow of demo

- Discover the API endpoint (DHCP / IPv6 RA / Link-Relation): implemented DHCP for demo
- Probe endpoint to detect portal open/close, and to get session information
- Show info in notification

Google Station CAPPORT support

- Enabled one of the network devices to support DHCP option that provided the CAPPORT URI.
- Enabled the webserver to provide the JSON with the required information for the client:
 - Detect if the client is in captive or not.
 - Captive portal page
 - Time left
 - Venue URL





THANK YOU