captive portals

IETF 100, Singapore
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## Agenda

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IETF 100 Hackathon

* implementation testing and discussions continued

* Kyle's local participation summary: [here](#)

* Midori & Kir undertook a project remotely
  
  slides [here](#)
  
  code [here](#)

[https://github.com/capport-wg/wg-materials/tree/master/ietf100](https://github.com/capport-wg/wg-materials/tree/master/ietf100)
Working Group Milestones

Aug 2018

Protocol to discover and interact with a Captive Portal

* adopted architecture draft in Prague

* RFC 7710 and PvD both still in the mix, but more clarification needed

* at a minimum, need to clarify browser and API interaction with:
  
  a single URL (RFC 7710), or
  
  multiple possible URLs (PvD)
Working Group Milestones

Aug 2018

API for Captive Portal Interaction

* adopted API draft in Prague
* no -ietf- nor github version yet uploaded
* original document authors still available?
* Tommy has expressed interest ...
Example (overly complicated) Hotspot

Venue / Hotspot Network Owner
- Venue Web Sites(s)
- Hotel PMS

Access Point / NAS
- Local Configurations:
  - Walled garden settings
  - Default session parameters
  - One (or more) RADIUS AAA
  - Local user accounts

Hotspot Service Provider
- Captive Portal
- RADIUS / AAA

Services
- Payment processing
- Roaming / marketing
- Vouchers, access products
- Configuration management

Roaming / Marketing Partners
- Partner Website
- RADIUS / AAA
- Partner Website

From IETF 99 ICMP presentation
Consider location of:
1. the enforcement point?
2. the API endpoint?
3. initial web endpoint?

Architecture scope decisions affect recommendations about:
1. UE identifying tokens
2. DHCPv4/PvD deployment guidelines