
WPD Proxy Discovery

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Background: Web Proxy Description I-D

- Core Features [[link to I-D](#)]

- Defines URI “web-proxy-desc” per RFC 5785
- JSON file format (abbreviated):

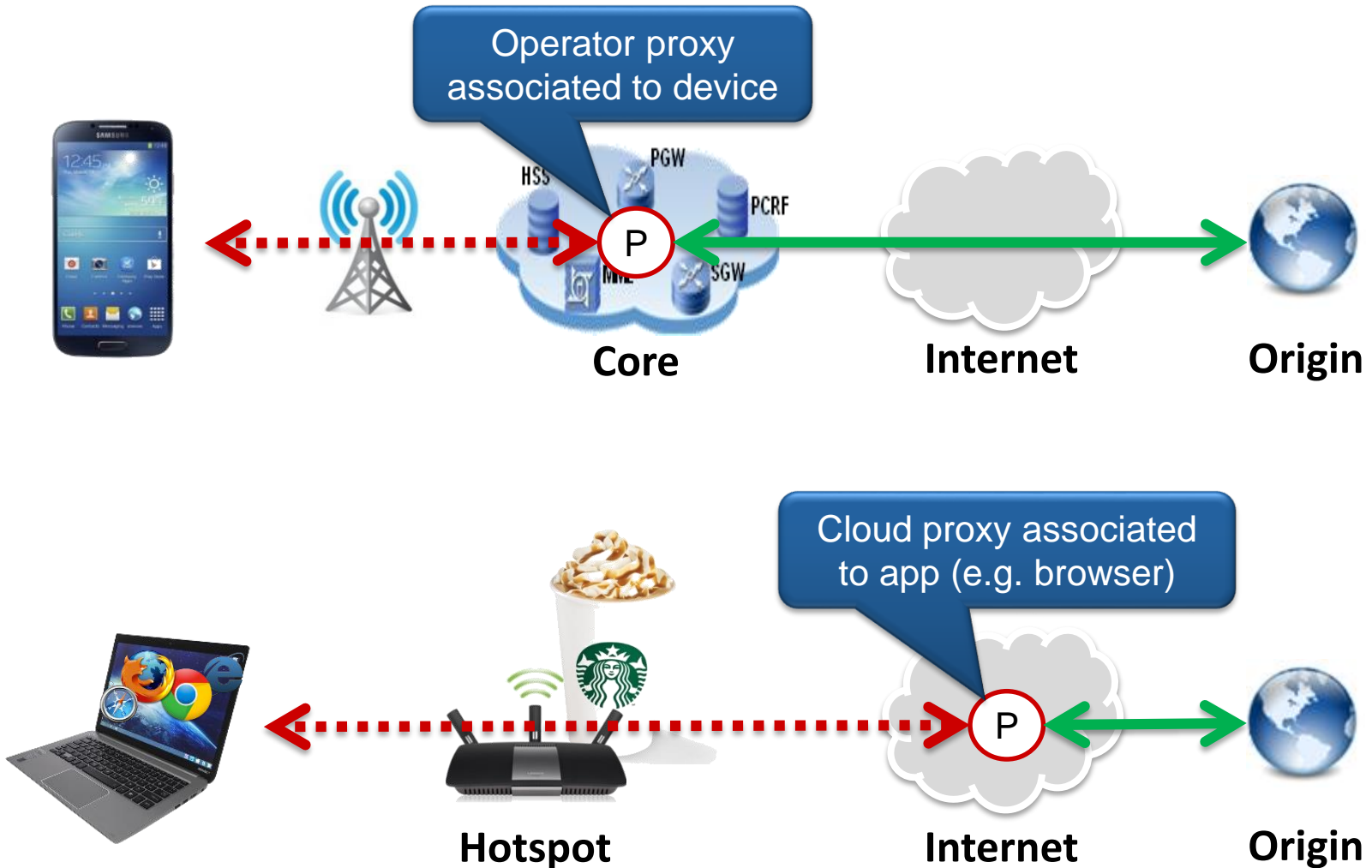
```
{
  "name" : "proxy1",
  "proxies": [ {
    "host": "proxy1.example.com",
    "port": 8080,
  } ] }
```

- Key Aspects

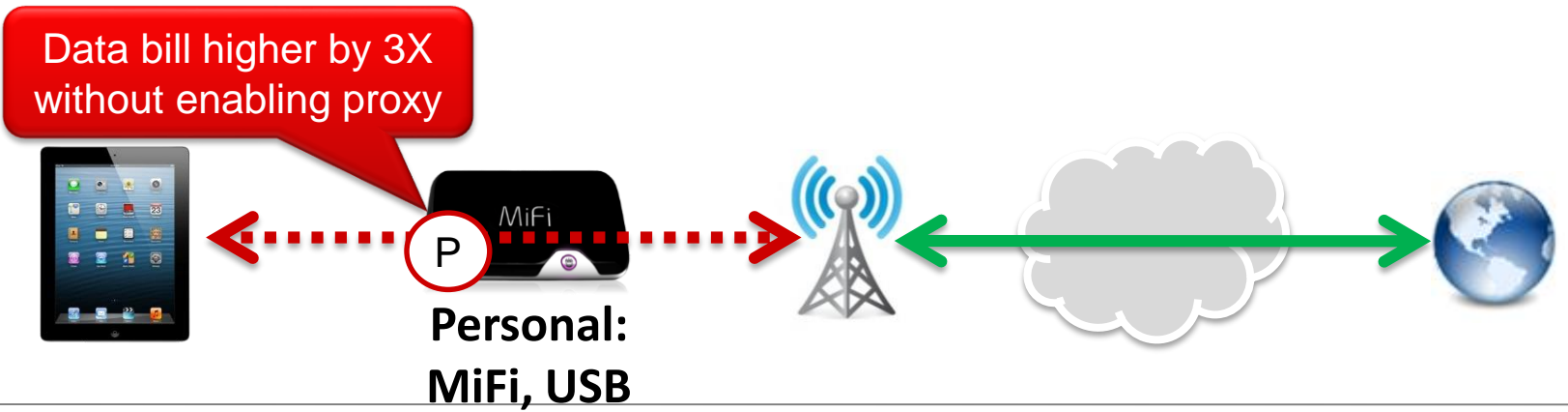
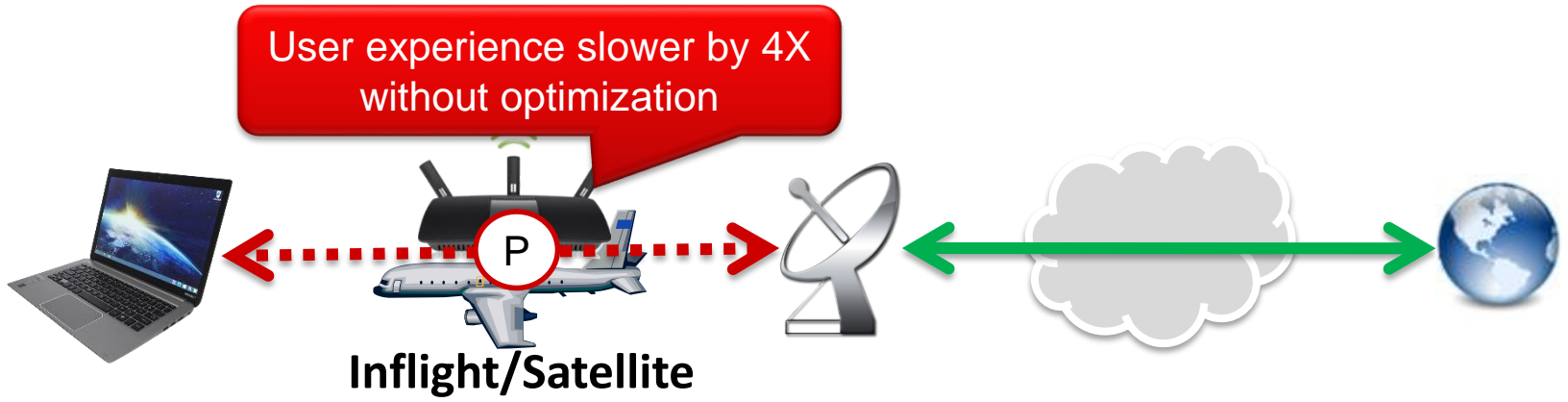
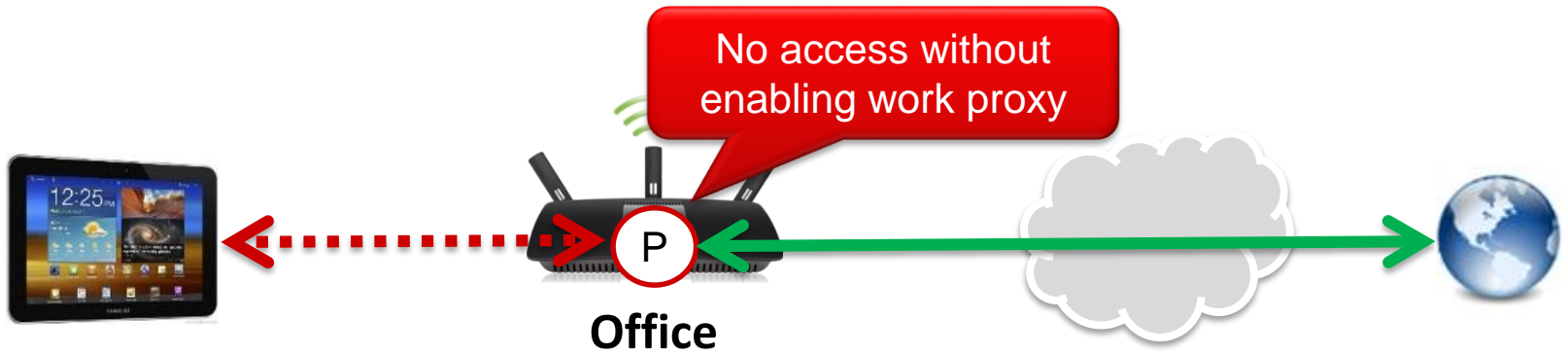
- Explicitly configured proxy for HTTP, **not HTTPS/MITM**
- Well-known URI, but not fully qualified URL
 - `https://??authority??/.well-known/web-desc-proxy`

Proxy Scenarios with Simple WPD Associations

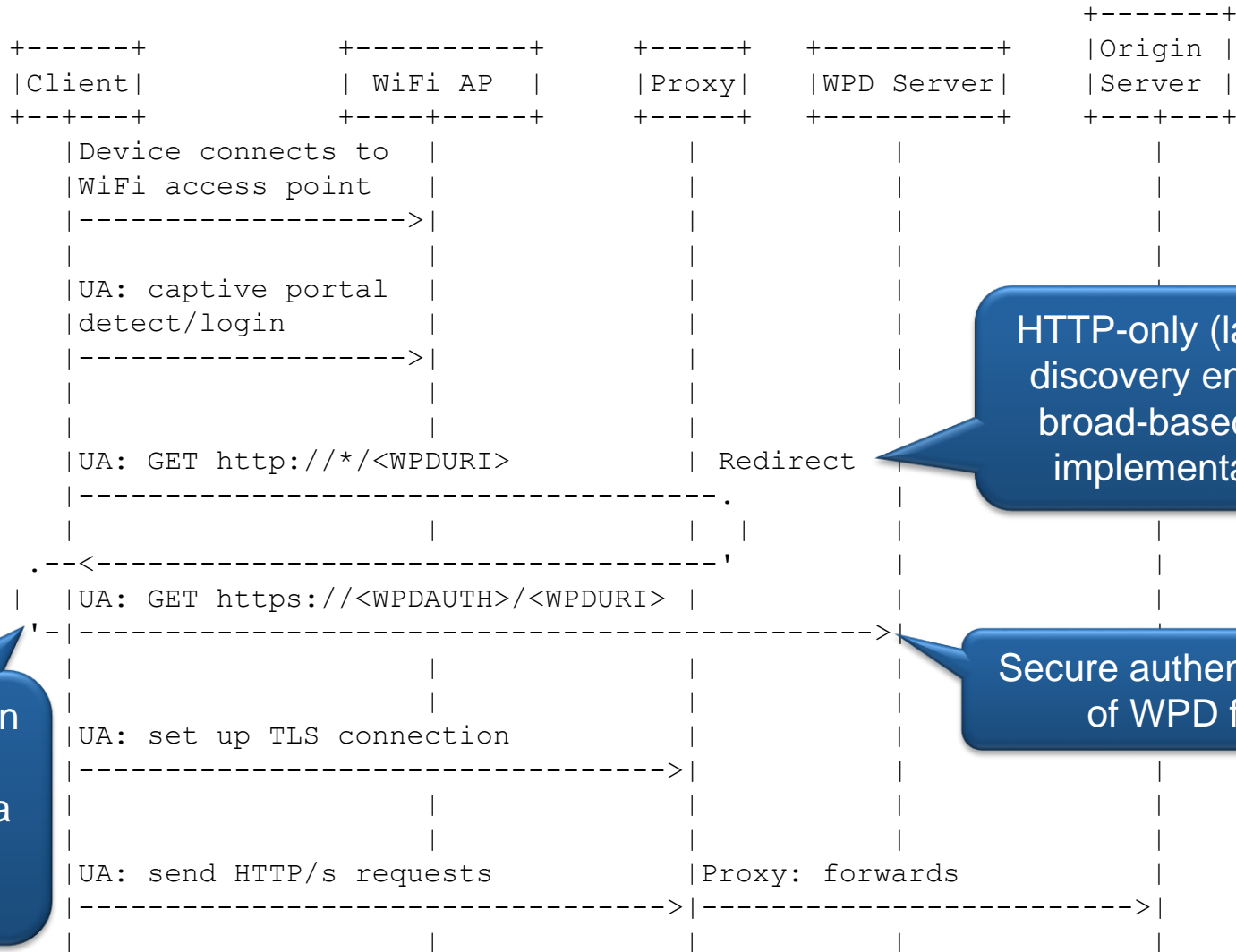
Probe a pre-configured/whitelisted WPD Authority



Proxy Scenarios with *Dynamic* WPD Associations



User Discovery of Network-specific WPD



Authorization of WPD authority via whitelist or user opt in

HTTP-only (layer 7) discovery enables broad-based app implementation

Secure authentication of WPD file

Thank You

- Internet-Draft
 - <http://tools.ietf.org/html/draft-chow-httpbis-proxy-discovery-00>
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