



`draft-ietf-dhc- proxyserver-opt-04.txt`

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Use Case

- Configure client parameters for http, ftp, smtp etc. proxies

Requirements

- Simplicity/ease of implementation
- Flexible parameters
- Allow for rule sets
- Cover different types of proxies including policy proxies

Status

- Additional input received since version 04-key items:
 - **Request for JS push**
 - Full protocol entry for each proxy
 - CIDR destinations

Issues: Encoding RDF vs. XML

- RDF well suited to describe proxy resources
 - Dublin Core metadata set fits proxy properties
 - Additional overhead: XML DTD reference etc.
- XML becoming ubiquitous in device config
- Use of XML elements/attributes in lieu of RDF possible

Issues: JS, code vs. data

■ Option (1)

- Netscape PAC as RDF/XML Elements with similar syntax and same semantics
- Example

```
function FindProxyForURL(url, host)
{
    if (dnsDomainIs(host, ".ns.com")) ->

<condition>
    <if> <dnsDomainIs=".ns.com">
    ... </if> </condition>
```

Issues: JS, code vs. data

- Option (2)
 - RDF/XML framing of JavaScript
- Option (3)
 - Sending URI where either JS, RDF/XML, or framed JS is located
 - PAC file format