A Proposal for the Softwire WG
IETF88

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Updates since Berlin

- Since IETF87, there has been a lot of work on aligning map-dhcp for use by MAP-E, MAP-T and lw4o6
- The latest version of the map-dhcp draft provides a complete mechanism for this using DHCPv6 (for static provisioning of v4 addr. + ports only)
- The MAP-DHCP draft now uses OPTION_S46 for the naming - it’s now a softwire option
OPTION_S46 (the artist formerly known as ‘map-dhcp’)

- Containers built out of common sub-options
- Implement as many (or few) as you need
OPTION_46 cont.

• Provides a simple, aligned way of provisioning the basic configuration
• Working towards the Unified CPE brief
• Allows the client to signal it’s capabilities to the operator
Unified CPE - Future

• The Unified CPE work is still ongoing
• The mechanisms that it currently describes will need to be modified
• Simon will cover this in more depth later
Future Extensions...

• There are a number of other provisioning requirements that are being discussed:
  • Dynamic IPv4 provisioning
  • Additional DHCPv4 option provisioning
  • PCP based provisioning
• The proposal here doesn’t preclude or prevent these being developed as separate drafts - it provides a foundation that can be developed and extended
Proposal

• We’ve all wasted spent a lot of time discussing these drafts….
• What’s being described here gives a coherent set of drafts that can be progressed
• So...

Let’s agree on using OPTION_S46 for provisioning MAP-E and lw4o6, progress the relevant drafts and get on with our lives!