The DCCP Service Code

`draft-fairhurst-dccp-serv-codes-03.txt`

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(Individual Draft)

What are Service Codes?

32-bit value in DCCP-Connect [RFC4340]

IANA Registry specifies values

currently mostly empty

Identifies "application protocol" using DCCP

Augments the port-number method [RFC814]

Motivation for the draft

Clarify role of SC in DCCP (Sect 2)

Uses of SC (Sect 3)

How to implement (Sect 4,5)

Use of SC by middleboxes

Motivate case for non-zero SC

Section 4: Implementation

3 levels of support:

Minimal Support (only SC:0)

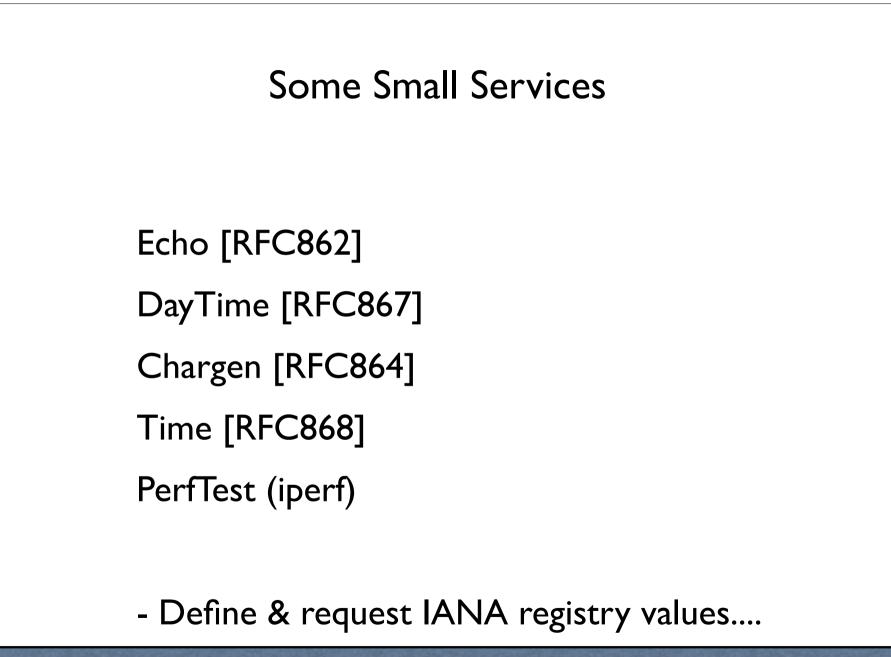   *- NOT RECOMMENDED for general use*

Standard Support (any SC)

   - well-known ports (default SC), socket API

   - RECOMMENDED

Enhanced Support (Flexible SC)

   - could be a modified "inetd"

Some Small Services

Echo [RFC862]

DayTime [RFC867]

Chargen [RFC864]

Time [RFC868]

PerfTest (iperf)

- Define & request IANA registry values....

Rev-03: For the avoidance of doubt...

"A service code identifies the protocol (or a standard profile, e.g. [ID.DCCP.RTP]) to be used at the application layer.

It is not intended to be used to specify a variant of an application, or a specific variant of a protocol."

Rev-04: Next rev...API?

May need to discuss:

get_port_and_service_code_by_name(char *service)

char *get_service_code_by_number(unsigned sc)

getadddrinfo()

etc...

Would you like to see this as a WG Draft?

Send comments/ideas to:

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