Subject: MDNS (Apple's Bonjour)
Posted by mdelfede on Sat, 18 Mar 2017 09:32:58 GMT
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Hi,

I need a MDNS implementation on UPP, but for that I'd need udp sockets with multicast capabilities.

Has somebody done some work on it already, or shall I need to start from scratch ? (hopefully not...)

Ciao

Max

Subject: Re: MDNS (Apple's Bonjour)
Posted by mirek on Sat, 18 Mar 2017 14:31:18 GMT
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mdelfede wrote on Sat, 18 March 2017 10:32Hi,

I need a MDNS implementation on UPP, but for that I'd need udp sockets with multicast capabilities.

Has somebody done some work on it already, or shall I need to start from scratch ? (hopefully not...)

Ciao

Max

Last time I was using UDP sockets, I have found them so simple as not even worth encapsulating...

See bazaar/urr

Subject: Re: MDNS (Apple's Bonjour)
Posted by mdelfede on Sat, 18 Mar 2017 14:48:47 GMT
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Almost right
I'll make a small class just to take off the (few) platform-dependent stuffs, and then port the MDNS

Subject: Re: MDNS (Apple's Bonjour)
Posted by omari on Sat, 18 Mar 2017 16:51:26 GMT
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Hi,
Try this UdpClient/UdpServer classes .

I have used it in an app that does not need the Multicast.

Subject: Re: MDNS (Apple's Bonjour)
Posted by mdelfede on Tue, 21 Mar 2017 08:01:14 GMT
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Hi, thank you
I've made my own udp class which supports multicast.
I'm finishing MDNS implementation, then I'll post it.

Ciao

Max

Subject: Re: MDNS (Apple's Bonjour)
Posted by mdelfede on Wed, 22 Mar 2017 23:57:01 GMT
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He,

here a couple of packages that may be useful... maybe I could add to Bazaar later.

The MDNS packages contains:

- a non-blocking udp class, IGMP capable
- a simple (and probably incomplete...) MDNS client/server for discovering and publishing services with Bonjour protocol
- a couple of classes for IPV4 and IPV6 addresses
- a nice function to enumerate all network interfaces and their IP

The MDNSTest package is a simple testing application that can detect Arduino boards that use Bonjour protocol
All is tested on windows and linux. I'll check it on Mac too on next days.

Ciao

Max

File Attachments

1) MDNS.zip, downloaded 386 times