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,

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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 295 times