

CC31xx mDNS

Overview

mDNS application register services, multicast them at mdns port and try to get the IP, port and text of another service.

Application details and Usage

mDNS application registers and multicast three services at mdns port. It also tries to get IP, port and text of a service multicast by another device.

- multicast service parameters can be changed by changing below macro:

```
#define MDNS_SERVICE_1      "cc3100-service-1._ipp._tcp.local"
#define MDNS_SERVICE_2      "cc3100-service-2._ftp._tcp.local"
#define MDNS_SERVICE_3      "cc3100-service-3._ipp._udp.local"

#define MDNS_TEXT_1         "dev=CC3100"
#define MDNS_TEXT_2         "dev=CC31xx"
#define MDNS_TEXT_3         "vendor=texas instruments"
```

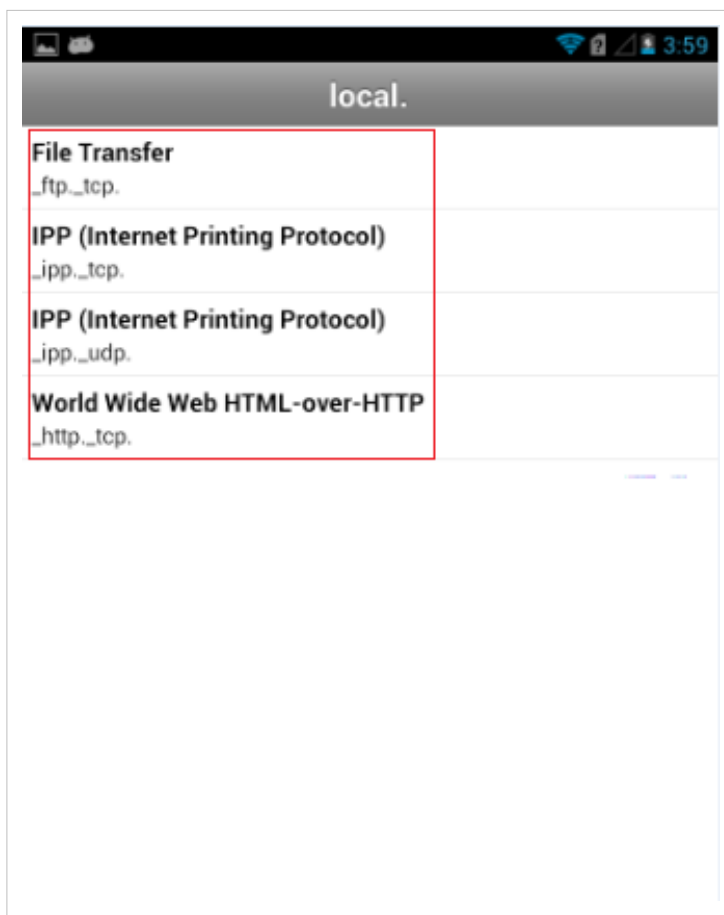
- Service to be listened for can be changed by modifying below macro:

```
#define DNS_SD_SERVICE      "service-4._ipp._tcp.local"
```

- Edit following parameters to establish connection w/ an AP:

```
#define SSID_NAME           "<ap_name>"
```

- These services can be discovered w/ any service-discovery application:
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Note: This mDNS sample application registers services as 'unique services'. .i.e. if a service w/ the same name is already registered in the n/w, the new service registration will fail.

Source Files briefly explained

i. main - Initializes the device, connects to an AP, registers three services for multicast and tries to get IP, port and text of the service by name.

Limitations/Known Issues

- Trying to get a service multicast by the same board is not a valid use case.

Article Sources and Contributors

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