

IGT-20 Wi-Fi Connection Example

After logging into IGT-20 via secure shell. Type `connmanctl` technologies to start with Wi-Fi.

Enter following commands to enable and connect to Wi-Fi

- `connmanctl`
- `enable wifi`
- `scan wifi`
- `services`
- `agent on`
- `connect wifi_name`
- Enter password
- `quit`

After quitting the `connmanctl`, enter

- `ping www.google.com`

To check if the IGT-20 is connected to Wi-Fi.

Connmanctl--- Connecting Wi-Fi in IGT-20 Example:

```
robot@ev3dev:~$ connmanctl
Error getting VPN connections: The name net.connman.vpn was not provided by any
connmanctl> enable wifi
Enabled wifi
connmanctl> scan wifi
Scan completed for wifi
connmanctl> services
*A0 Wired                ethernet_b827ebbde13c_cable
                        wifi_e8de27077de3_hidden_managed_none
    AH04044914            wifi_e8de27077de3_41483034303434393134_managed_psk
    Frissie               wifi_e8de27077de3_46726973736965_managed_psk
    ruijgt gast           wifi_e8de27077de3_7275696a67742067617374_managed_psk
    schuur                wifi_e8de27077de3_736368757572_managed_psk
connmanctl> agent on
Agent registered
connmanctl> connect wifi_e8de27077de3_41      # You can use the TAB key at this point
to autocomplete the name
connmanctl> connect wifi_e8de27077de3_41483034303434393134_managed_psk
Agent RequestInput wifi_e8de27077de3_41483034303434393134_managed_psk
```

```
Passphrase = [ Type=psk, Requirement=mandatory ]
Passphrase? *****
Connected wifi_e8de27077de3_41483034303434393134_managed_psk
connmanctl> quit
```

```
PING www.google.com (172.217.4.68) 56(84) bytes of data.
64 bytes from lga15s47-in-f68.1e100.net (172.217.4.68): icmp_seq=1 ttl=53 time=38.0 ms
64 bytes from lga15s47-in-f68.1e100.net (172.217.4.68): icmp_seq=2 ttl=53 time=26.2 ms
64 bytes from lga15s47-in-f68.1e100.net (172.217.4.68): icmp_seq=3 ttl=53 time=25.4 ms
64 bytes from lga15s47-in-f68.1e100.net (172.217.4.68): icmp_seq=4 ttl=53 time=32.8 ms
^C
--- www.google.com ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3005ms
rtt min/avg/max/mdev = 25.419/30.644/38.053/5.148 ms
root@igt20:~#
```