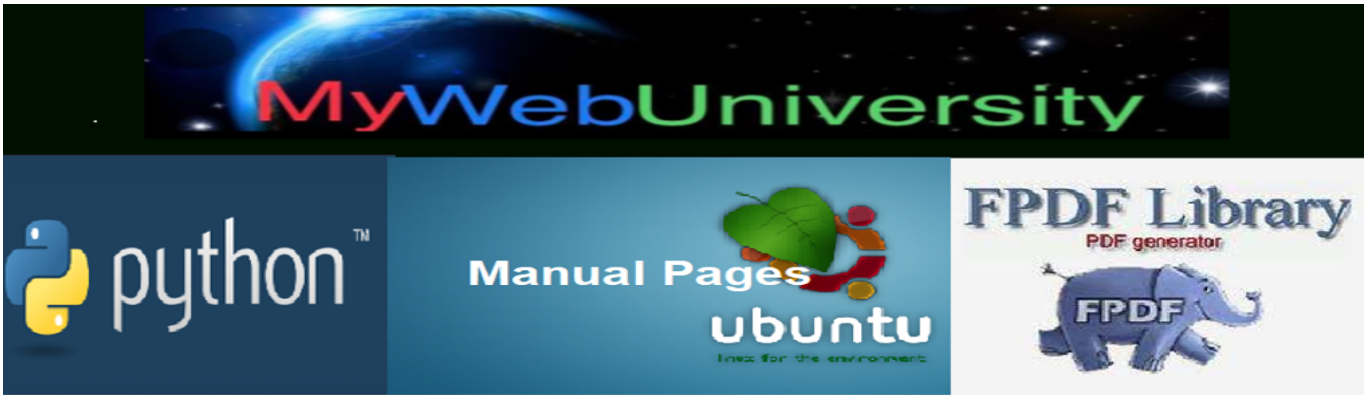

Rocky Enterprise Linux 9.2 Manual Pages on command 'hcitool.1'

$ man hcitool.1

HCITOOL(1) Linux System Administration HCITOOL(1)

NAME

hcitool - Configure Bluetooth connections

SYNOPSIS

hcitool -h

hcitool COMMAND --help

hcitool [-i hciX] [COMMAND [PARAMETERS]]

DESCRIPTION

hcitool(1) is used to configure Bluetooth connections and send some special command to Bluetooth devices. If no command is given, or if the option -h is used, hcitool prints some usage information and exits.

OPTIONS

-i <hciX>

The command is applied to device hciX, which must be the name of an installed Blue? tooth device. If not specified, the command will be sent to the first available Bluetooth device.

-h Gives a list of possible commands

COMMANDS

dev Display local devices

inq Inquire remote devices. For each discovered device, Bluetooth device address, clock offset and class are printed.

scan Inquire remote devices. For each discovered device, device name are printed.

name <bdaddr>

Print device name of remote device with Bluetooth address bdaddr.

info <bdaddr>

Print device name, version and supported features of remote device with Bluetooth address bdaddr.

spinq Start periodic inquiry process. No inquiry results are printed.

epinq Exit periodic inquiry process.

cmd <ogf> <ocf> [parameters]

Submit an arbitrary HCI command to local device. ogf, ocf and parameters are hexa? decimal bytes.

con Display active baseband connections

cc [--role=c|p] [--pkt-type=<ptype>] <bdaddr>

Create baseband connection to remote device with Bluetooth address bdaddr.

Option --pkt-type specifies a list of allowed packet types. <ptype> is a comma-separated list of packet types, where the possible packet types are DM1, DM3, DM5, DH1, DH3, DH5, HV1, HV2, HV3. Default is to allow all packet types.

Option --role can have value c (do not allow role switch, stay central) or p (al? low role switch, become peripheral if the peer asks to become central). Default is c.

dc <bdaddr> [reason]

Delete baseband connection from remote device with Bluetooth address bdaddr.

The reason can be one of the Bluetooth HCI error codes. Default is 19 for user ended connections. The value must be given in decimal.

sr <bdaddr> <role>

Switch role for the baseband connection from the remote device to central or pe? ripheral.

cpt <bdaddr> <ptypes>

Change packet types for baseband connection to device with Bluetooth address bdaddr. ptypes is a comma-separated list of packet types, where the possible packet types are DM1, DM3, DM5, DH1, DH3, DH5, HV1, HV2, HV3.

rssi <bdaddr>

Display received signal strength information for the connection to the device with Bluetooth address bdaddr.

lq <bdaddr>

Display link quality for the connection to the device with Bluetooth address bdaddr.

tpl <bdaddr> [type]

Display transmit power level for the connection to the device with Bluetooth address bdaddr.

The type can be 0 for the current transmit power level (which is default) or 1 for the maximum transmit power level.

afh <bdaddr>

Display AFH channel map for the connection to the device with Bluetooth address bdaddr.

lp <bdaddr> [value]

With no value, displays link policy settings for the connection to the device with Bluetooth address bdaddr.

If value is given, sets the link policy settings for that connection to value. Possible values are RSWITCH, HOLD, SNIFF and PARK.

lst <bdaddr> [value]

With no value, displays link supervision timeout for the connection to the device with Bluetooth address bdaddr.

If value is given, sets the link supervision timeout for that connection to value slots, or to infinite if value is 0.

auth <bdaddr>

Request authentication for the device with Bluetooth address bdaddr.

enc <bdaddr> [encrypt]

enable or disable the encryption for the device with Bluetooth address bdaddr.

key <bdaddr>

Change the connection link key for the device with Bluetooth address bdaddr.

clkoff <bdaddr>

Read the clock offset for the device with Bluetooth address bdaddr.

clock [bdaddr] [clock]

Read the clock for the device with Bluetooth address bdaddr.

The clock can be 0 for the local clock or 1 for the piconet clock (which is default).

lescan [--privacy] [--passive] [--acceptlist] [--discovery=g|l] [--duplicates]

Start LE scan

leinfo [--static] [--random] <bdaddr>

Get LE remote information

lealadd [--random] <bdaddr>

Add device to LE Accept List

lealrm <bdaddr>

Remove device from LE Accept List

lealsz Read size of LE Accept List

lealclr

Clear LE Accept List

lerladd [--local_irk] [--peer_irk] [--random] <bdaddr>

Add device to LE Resolving List

lerlrm <bdaddr>

Remove device from LE Resolving List

lerlclr

Clear LE Resolving List

lerlsz Read size of LE Resolving List

lerlon Enable LE Address Resolution

lerloff

Disable LE Address Resolution

lecc [--static] [--random] <bdaddr> | [--acceptlist]

Create a LE Connection

ledc <handle> [reason]

Disconnect a LE Connection

lecup <handle> <min> <max> <latency> <timeout>

LE Connection Update

RESOURCES

http://www.bluez.org

REPORTING BUGS

linux-bluetooth@vger.kernel.org

AUTHOR

Maxim Krasnyansky <maxk@qualcomm.com>, Marcel Holtmann <marcel@holtmann.org>, Fabrizio Gennari <fabrizio.gennari@philips.com>

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