modbus\_tcp\_pi\_listen(3)

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NAME

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modbus\_tcp\_pi\_listen - create and listen a TCP PI Modbus socket (IPv6)

SYNOPSIS

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\*int modbus\_tcp\_pi\_listen(modbus\_t \*'ctx', int 'nb\_connection');\*

DESCRIPTION

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The \*modbus\_tcp\_pi\_listen()\* function shall create a socket and listen to

maximum \_nb\_connection\_ incoming connections on the specified nodes. The

context \*ctx\* must be allocated and initialized with linkmb:modbus\_new\_tcp\_pi[3]

before to set the node to listen, if node is set to NULL, any addresses will be

listen.

RETURN VALUE

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The function shall return a new socket if successful. Otherwise it shall return

-1 and set errno.

EXAMPLE

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For detailed examples, see source files in tests directory:

- unit-test-server.c, simple but handle only one connection

[source,c]

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...

ctx = modbus\_new\_tcp\_pi("::0", "502");

s = modbus\_tcp\_pi\_listen(ctx, 1);

modbus\_tcp\_pi\_accept(ctx, &s);

for (;;) {

rc = modbus\_receive(ctx, query);

modbus\_replay(ctx, query, rc, mb\_mapping);

}

...

mclose(s);

modbus\_free(ctx);

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- bandwidth-server-many-up.c, handles several connections at once

SEE ALSO

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linkmb:modbus\_new\_tcp\_pi[3]

linkmb:modbus\_tcp\_pi\_accept[3]

linkmb:modbus\_tcp\_listen[3]

AUTHORS

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