

# Create a secure connection between nodes

In order to avoid possible impersonation, it is necessary that connections between neighbouring nodes are made with authentication.

The steps to follow are

1. Register node
  2. Assign password to the node
  3. Set node type

Although it is not necessary for both nodes to have authentication enabled, it is desirable.

The following is an example of how it is implemented at one endpoint

## Scenario

Node-A: <b>XX0XX-2</b> password para ZZ8ZZ-4: <b>A49=Dk4T</b> <b>node-a.hams.org</b> port <b>7300</b>	Node-B: <b>ZZ8ZZ-4</b> password para XX0XX-2: <b>jTra691R</b> <b>node-b.radio.com</b> port <b>8000</b>
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## Operation in Node-A (XXoXX-2)

```
set/register ZZ8ZZ-4
set/password ZZ8ZZ-4 A49=Dk4T
set/spider ZZ8ZZ-4
```

## Check if the process has been correct

```
stat/user ZZ8ZZ-4
```

```
Believable nodes: ZZ8ZZ-4
  Buddies:
    Callsign: ZZ8ZZ-4
  Connections: 16Feb2023@10:56:01=0s(5.78.40.70),
    Group: local
  Home Node: ZZ8ZZ-4
  Language: en
  Last Node: XX0XX-2
  Last Ping at: XX0XX-2=16Feb2023@15:44:49
  Last Seen: 16-Feb-2023 1544Z
  Last Time in: 16-Feb-2023 1219Z
  Locked out?: No
    Password: Yes
  Privilege Level: 1
    Registered?: Yes
  Seen on PC92 K: Yes
    Start Time: 16-Feb-2023 1227Z
  Type of User: S
```

On the Node-B (ZZ8ZZ-4) should create a connection script similar to this one

```
/spider/connect/XX0XX-2
```

```
timeout 15
connect telnet node-a.hams.org 7300
'ogin: ' 'ZZ8ZZ-4'
'assword:' 'A49=Dk4T'
client XX0XX-2 telnet
```

# Tested its operation on the Node-B (ZZ8ZZ-4) from console

conn XX0XX-2

## Check

sh/conn XX0XX-2

Cnum	Call	Address/Port	State	Type	Dir.	Module
19	XX0XX-2	100.0.2.55/33074	C	telnet	Outgoing	ExtMsg

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