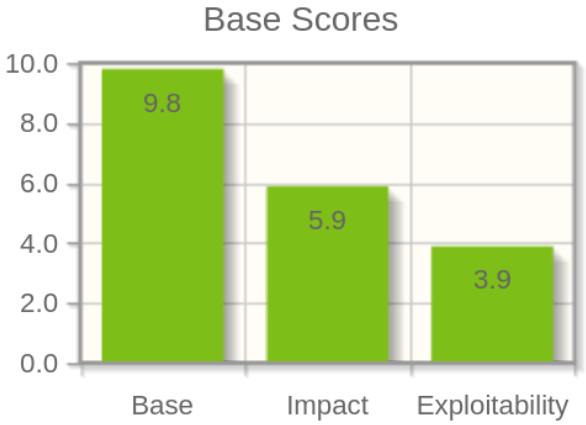
Fantec MWiD25-DS

Writeup for unauthenticated RCE exploit by @code-byter

This is a writeup of exploiting the Fantec MWiD25-DS Travel Router (Firmware version: 2.000.030). This vulnerability allows any unauthorized user to execute arbitrary commands as root user. A vulnerability in the backup functionality (upload.csp) allows any user to write files and thus reset the user passwords without a valid session cookie. Using these new credentials the attacker can log into the web interface and exploit a buffer overflow vulnerability. The SSID parameter of the set wifi client functionality is vulnerable to a heap overflow and allows the attacker to execute arbitrary terminal commands. The whole exploit is possible without any user input or required reboot.

CVSS 3.1 Base Score: 9.8

Affected file: `/protocol.csp`



Exploit

The whole exploitation process is automated with a python script. To spawn a root shell run `exploit.py`.

Daniel Schwendner, Email: hello@code-byter.com, Instagram: code_byter

```
python3 exploit.py 10.10.10.254
```