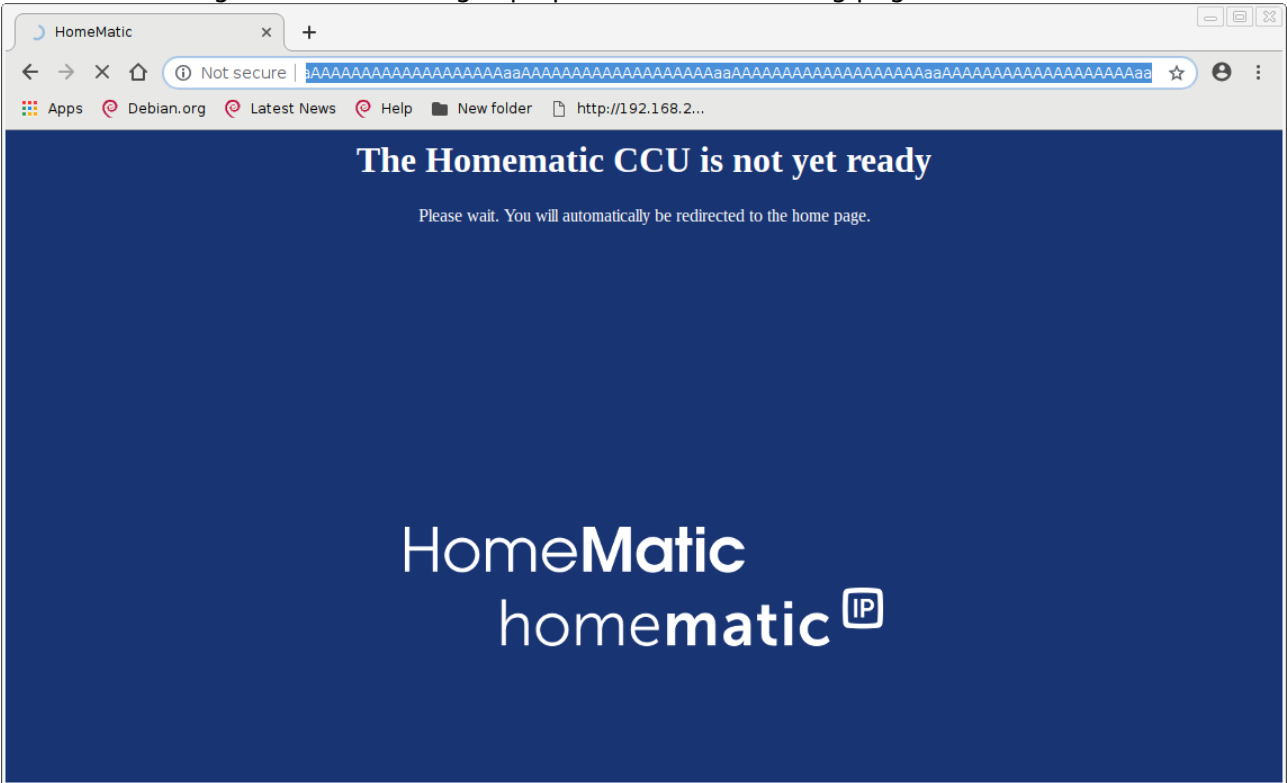




AA

When the buffer overflow occurs, the ise GmbH HTTP-Server 2.0 crashes and is automatically restarted. During the restart the lighttpd presents the following page to the user:



**Explanation**

The ise GmbH HTTP-Server does not correctly parse the request. It uses sscanf to search the input for the string „Connection“. The data following the colon is copied into the buffer. The request above uses the Header ZConnection. The ise GmbH HTTP-Server 2.0 is not available from the network. It binds to port 8183 but this port is filtered via iptables. Access is only possible via the lighttpd reverse proxy. The lighttpd reverse proxy would filter the HTTP-Header Connection and remove the malicious header. The header ZConnection is unknown to the reverse proxy lighttpd and therefore passed on to the ise GmbH HTTP-Server 2.0 causing the buffer overflow. Several other headers are parsed the same way causing similar buffer overflows.

When contacting the ise GmbH HTTP-Server 2.0 directly on port 8183, buffer overflows may be triggered using just:

```
python -c 'print("A"*2000)' | nc localhost 8183
```

=====

```
Info: recvd 1535 bytes by web server #1 [httpServer.cpp:767]
Thread 4 "ReGaHss.comuni" received signal SIGSEGV, Segmentation fault.
0x0001891c in ?? ()
```

This shows that probably further buffer overflows are embedded in the binary.