
Server Automation Alert: Security vulnerabilities with Apache httpd - CVE-2019-0190, CVE-2018-17189 and CVE-2018- 17199

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Issue that requires attention

The purpose of this article is to discuss the security vulnerabilities publicly identified as CVE-2019-0190, CVE-2018-17189 and CVE-2018-17199, related to the component in Server Automation that uses Apache httpd.

Micro Focus Server Automation is not vulnerable to the security vulnerabilities CVE-2019-0190, CVE-2018-17189 and CVE-2018-17199 mentioned above, as will be demonstrated below.

CVE-2019-0190

A bug exists in the way `mod_ssl` handled client renegotiations. A remote attacker could send a carefully crafted request that would cause `mod_ssl` to enter a loop leading to a denial of service. This bug can be only triggered with Apache HTTP Server version 2.4.37 when using OpenSSL version 1.1.1 or later, due to an interaction in changes to handling of renegotiation attempts.

Investigation for Server Automation

The vulnerability exists only when Apache httpd is using OpenSSL version 1.1.1 or later. Server Automation does not use OpenSSL 1.1.1 or later, it uses OpenSSL 1.0.2.

Conclusion

Server Automation is not affected by **CVE-2019-0190**.

CVE-2018-17189

In Apache HTTP server versions 2.4.37 and prior, by sending request bodies in a slow loris way to plain resources, the h2 stream for that request unnecessarily occupied a server thread cleaning up that incoming data. This affects only HTTP/2 (`mod_http2`) connections.

Investigation for Server Automation

Server Automation does not use `mod_http2`. The module does not exist on the filesystem:

```
[root@sa1050 ~]# find /opt/opsware/ -iname '*mod_http2*'
/opt/opsware/httpsProxy/manual/mod/mod_http2.html
/opt/opsware/httpsProxy/manual/mod/mod_http2.html.en
```

Conclusion

Server Automation is not affected by **CVE-2018-17189**.

CVE-2018-17199

In Apache HTTP Server 2.4 release 2.4.37 and prior, `mod_session` checks the session expiry time before decoding the session. This causes session expiry time to be ignored for `mod_session_cookie` sessions since the expiry time is loaded when the session is decoded.

Investigation for Server Automation

While `mod_session` exists on the filesystem:

```
[root@sa1050 ~]# find /opt/opsware/ -iname '*mod_session*'
/opt/opsware/httpsProxy/manual/mod/mod_session_cookie.html.en
```

```
/opt/opsware/httpsProxy/manual/mod/mod_session_cookie.html.fr
/opt/opsware/httpsProxy/manual/mod/mod_session_crypto.html.fr
/opt/opsware/httpsProxy/manual/mod/mod_session.html
/opt/opsware/httpsProxy/manual/mod/mod_session.html.fr
/opt/opsware/httpsProxy/manual/mod/mod_session_dbd.html.fr
/opt/opsware/httpsProxy/manual/mod/mod_session_crypto.html.en
/opt/opsware/httpsProxy/manual/mod/mod_session_dbd.html
/opt/opsware/httpsProxy/manual/mod/mod_session.html.en
/opt/opsware/httpsProxy/manual/mod/mod_session_cookie.html
/opt/opsware/httpsProxy/manual/mod/mod_session_dbd.html.en
/opt/opsware/httpsProxy/manual/mod/mod_session_crypto.html
/opt/opsware/httpsProxy/modules/mod_session.so
/opt/opsware/httpsProxy/modules/mod_session_dbd.so
/opt/opsware/httpsProxy/modules/mod_session_cookie.so
/opt/opsware/httpsProxy/include/mod_session.h
```

mod_session is not used in httpd.conf:

```
[root@sa1050 ~]# grep session /etc/opt/opsware/httpsProxy/httpd.conf
[root@sa1050 ~]# <empty>
```

Conclusion

Server Automation is not affected by **CVE-2018-17199**.

Affected product versions

- Server Automation 10.50
- Server Automation 10.60
- Server Automation 2018.08

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