

Installer - Feature #36854

Use HTTP/2 on content proxies to connect to Foreman

10/23/2023 01:01 PM - Ewoud Kohl van Wijngaarden

Status:	Closed	
Priority:	Normal	
Assignee:	Ewoud Kohl van Wijngaarden	
Category:	Foreman modules	
Target version:		
Difficulty:		Fixed in Releases: 3.9.0
Triaged:	No	Found in Releases:
Bugzilla link:	2152709	Red Hat JIRA:
Pull request:	https://github.com/theforeman/puppet-foreman_proxy_content/pull/442	

Description

The HTTP/1.1 protocol can cause TCP race conditions when using keepalive.

<https://iximiuz.com/en/posts/reverse-proxy-http-keep-alive-and-502s/> does a good job of describing this. HTTP/2 doesn't use keepalive but instead has multiplexing of multiple streams together with a control channel. Testing shows this to be much more reliable, especially at higher concurrency.

Associated revisions

Revision e7a38f3d - 10/24/2023 12:32 PM - Ewoud Kohl van Wijngaarden

Fixes #36854 - Use HTTP/2 when proxying to Foreman

This aims to use `mod_proxy_http2`, which utilizes HTTP/2 to a backend server. It depends on a feature released in `puppetlabs-apache 10.1.1`.

Overall testing shows the connection is much more stable and reliable than with HTTP/1.1, especially in higher concurrency. It is recommended to keep this on, but there is an option to disable it if for some reason it doesn't work. In the future this same option can be used to support HTTP/3 when Apache implements that.

History

#1 - 10/23/2023 01:01 PM - The Foreman Bot

- Status changed from New to Ready For Testing
- Assignee set to Ewoud Kohl van Wijngaarden
- Pull request https://github.com/theforeman/puppet-foreman_proxy_content/pull/442 added

#2 - 10/23/2023 01:07 PM - Ewoud Kohl van Wijngaarden

- Bugzilla link set to 2152709

#3 - 10/24/2023 12:32 PM - The Foreman Bot

- Fixed in Releases 3.9.0 added

#4 - 10/24/2023 01:00 PM - Ewoud Kohl van Wijngaarden

- Status changed from Ready For Testing to Closed

Applied in changeset [puppet-foreman_proxy_content!e7a38f3d5a3c08dcaa8aa36d7b206e8c49204a67](https://github.com/theforeman/puppet-foreman_proxy_content/commit/e7a38f3d5a3c08dcaa8aa36d7b206e8c49204a67).