



# Pulse Secure Virtual Traffic Manager: Release Notes

Supporting Pulse Secure Virtual Traffic Manager 20.2r1

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*Pulse Secure Virtual Traffic Manager: Release Notes*

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# Release Notes

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## Overview

Pulse Secure Virtual Traffic Manager 20.2r1 is a maintenance release of the Pulse Secure Virtual Traffic Manager product family, containing a number of performance and functionality enhancements and bug fixes. Customers are recommended to upgrade to this version to take advantage of the changes.

## Product Compatibility

You can install and use this product version on the following platforms:

### Software

- Linux x86\_64: Kernel 2.6.32 - 5.2, glibc 2.12+  
For Route Health Injection: ncurses 5 (libncurses.so.5, libtinfo.so.5)

### Containers

- Docker: 1.13.0 or later recommended

### Cloud Platforms

- Amazon EC2 - as a virtual appliance or native software install
- Microsoft Azure - as a virtual appliance
- Google Compute Engine - as a virtual appliance or native software install

### Hardware Platforms

- Bare Metal Server - for information on qualified servers, see the Pulse Secure Virtual Traffic Manager Hardware Compatibility List at <https://www.pulsesecure.net/techpubs>

## Virtual Appliance Editions

- VMware vSphere 6.0, 6.5, 6.7, 7.0
- XenServer 7.1, 8.0, 8.1
- Microsoft Hyper-V Server 2016
- Microsoft Hyper-V under Windows Server 2016 and 2019
- QEMU/KVM (RHEL/CentOS 6.x, 7.x; Ubuntu 16.04, 18.04)

## Resource Requirements

Virtual appliances should be allocated a minimum of 2GB of RAM.

For a virtual appliance upgrade to succeed, a minimum of 2.7GB must be available on the `/logs` partition. To confirm the available free disk space, use the **System > Traffic Managers** page of the Admin UI.

## Large Objects in the Webcache

A Traffic Manager running 20.1 or later is unable to store objects greater than 2GB in the web cache, even if the web cache is enabled and all cacheability conditions are met. If you rely upon this feature, contact Pulse Secure Technical Support (see ["Technical Support" on page 4](#)).

## Fixed Issues and Other Changes

The following table lists issues that have been fixed and are resolved by upgrading to this release.

Report Number	Description
<b>Fault Tolerance</b>	
VTM-43258	Fixed an issue where "machinetimeout" messages could be logged spuriously or fail to be logged when a Traffic Manager joined or left a cluster that used autoscaling with a pool.
<b>SSL/TLS and Cryptography</b>	
VTM-43999	Fixed an issue where only the client certificate itself was sent to a pool node when the pool setting <code>ssl_fixed_client_certificate</code> was used to specify a chain of certificates to be sent in response to any certificate request from a node.

## Pulse Secure Virtual Traffic Manager Appliance

The following table lists issues that have been fixed and are resolved by upgrading to this release.

Report Number	Description
No changes in this release.	

## Known Issues

The following table lists the Known issues in the current release.

Report Number	Report	Description
VTM-41385	Software in Ubuntu 16.04 on GCE	A Traffic Manager software install on a GCE instance running Ubuntu 16.04 can report a serious error "sysconfig_error GCE IP routes error: Didn't find nic label for <MAC address>". This does not occur for Ubuntu 18.04.
VTM-34654	KVM Network Interface Card renaming	In rare circumstances a KVM host may change the PCI addresses of a virtual appliance's network cards after a reboot, resulting in the network interface labels changing. This can be fixed by removing the configuration from the non-existent card on the Traffic Manager Admin UI <b>System &gt; Networking</b> page and re-adding it to the correct card.
VTM-38881	Obsolete counters are missing from old REST API versions	Obsolete counters removed from version 6.0 of the status API are missing in versions 5.X, despite the schemata published with the product claiming they are still present.
VTM-38948	The format of encrypted bootloader passwords has changed in version 18.2	The format of encrypted bootloader passwords changed in version 18.2. When upgrading from a version earlier than 18.2 with a bootloader password set, the bootloader will be unprotected, and a configuration error will be reported until the password is re-entered. It can be set on the <b>System &gt; Global Settings</b> page of the Admin UI.
VTM-38962	Pre-18.2 Admin UI rollback tools will not offer roll-forward to 18.2 or later	After rolling back from 19.2 to a vTM version earlier than 18.2 the rollback version selector on the <b>System &gt; Traffic Managers</b> page of the Admin UI will not offer versions after 18.2 as an option. Use <code>\$ZEUSHOME/zxtm/bin/rollback</code> from the command line to switch back instead.

## Upgrade Instructions

20.2r1 can be installed directly using any supported installation mechanism.

Traffic Manager software installations can be upgraded directly to 20.2r1 using any supported upgrade mechanism, except those running Traffic Manager version 17.2 which must be upgraded to a non-r-release (for example 20.2) before upgrading.

Traffic Manager instances (appliance or cloud) running release 18.2 or later can be upgraded directly to 20.2r1 using any supported upgrade mechanism.

Traffic Manager instances (appliance or cloud) running versions prior to 18.2 must first be upgraded to a non-r-release, such as 18.2 or 20.2.

To learn more about upgrading your Traffic Manager, see the *Pulse Secure Virtual Traffic Manager: Installation and Getting Started Guide* applicable to your product variant.

## Documentation

Pulse Secure documentation is available at <https://www.pulsesecure.net/techpubs>.

For policy reasons, security issues are not normally mentioned in release notes. To find more information about our security advisories, see the [security advisory](#) page on the Pulse Secure website.

## Technical Support

Full support for version 20.2 will be available for one year from the release date of 15th July, 2020. For more information, see the End of Support and End of Engineering Schedule notices at the following location: <https://support.pulsesecure.net/product-service-policies/eol/software/vadc-virtual-traffic-manager/>

For additional information or assistance, contact Pulse Secure Global Support Center (PSGSC):

- <https://support.pulsesecure.net>
- [support@pulsesecure.net](mailto:support@pulsesecure.net)
- Call 1-844-751-7629 (toll-free USA)

For technical support resources, browse the Pulse Secure Technical Support website <https://support.pulsesecure.net>.