Replify Accelerator 5.2.1 Release Notes

FLEXIBLE NETWORK ACCELERATION

Replify Ltd

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Release Information

This document details the content of the Replify Accelerator release 5.2.1

This release is a maintenance release that contains several bug fixes that may affect a small number of customers. Additionally, Replify accelerator images are now available in QEMU format.

The previous GA release of Replify Accelerator was version 5.2.0.

Release Naming

Version	5.2.1
Build Number	21060
Full Version	5.2.0-21060

Upgrade Instructions

The following versions of the Virtual Appliance (VA) and Enterprise Manager (REM) can be upgraded directly to 5.2.1

- 5.2.0
- 5.1.0
- 5.0.0
- 4.5.3
- 4.5.2
- 4.5.1
- 4.5.0
- 4.4.2
- 4.4.1
- 4.4.0

To upgrade your system, the REM should be updated first (if you have a REM), followed by the Virtual Appliance and then clients.

To upgrade the REM or VA please run the following command at the console:

```
replify-ctl upgrade
```

You will be prompted for an activation code after running the above command. Please contact support@replify.com for this code.

Windows clients can be updated by navigating to 'Tools > Options > Updates' in the Replify client user interface. To avail of updates, the client must be connected to an upgraded REM or VA.

Detailed installation instructions can be found in the "Replify Installation & Configuration Guide" that is located in the 'Help' section on the REM and VA web interface.

The Accelerator Client can also be downloaded from the web interface of VAs and REMs.

Client installation on Windows XP and 32-bit Linux OSes are no longer supported by Replify.

Virtual Appliance OS

Virtual machines prior to v5.2.0 containing the Replify Virtual Appliance and Enterprise Manager were built on a base operating system of Debian 7 (Wheezy). Version 5.0 is built on Debian 9 (Stretch)

An upgrade of Replify Accelerator will not upgrade the base OS.

Both operating systems are currently supported, but support for Debian v7 may be dropped in future releases. We would encourage all existing Replify customers to consider upgrading soon. Please contact Replify Support for details on how to do this.

Disk Space

For this release Replify is now shipped on a virtual machine with Stretch. Stretch uses more space for base packages and as such, the disk space required for an image is slightly higher.

When deploying from VMWare, the default disk configuration will be a 16GB disk with 'Thick Provisioning'. We would recommend this configuration but if resources are particularly constrained on the server, you may change this to 'Thin Provisioning' to ensure the disk space is only consumed when required.

MAC addresses with Hyper-V

Once the image is deployed on the Hyper-V server the MAC address allocation will be set to 'dynamic' by default. When the machine boots Hyper-V will generate a MAC address for the connected virtual network interface. Replify recommends changing this to a static MAC address.

Download Links

Downloads are available for VMware ESX 5.5 and above and Microsoft Hyper-V 2012/2016. Other deployments, such as Citrix Xen, KVM, Docker, Amazon EC2 and Microsoft Azure may be available on request from Replify Support.

Please refer to the Replify Installation and Configuration Guide for deployment instructions.

VMware ESX			
VA	OVF	http://s3.replify.com/v5.x/v5.2.1/vmware_esx/Replify-Appliance-5.2.1-21060/Replify-Appliance-5.2.1-21060.ovf	
	VMDK	http://s3.replify.com/v5.x/v5.2.1/vmware_esx/Replify-Appliance-5.2.1-21060/Replify-Appliance-5.2.1-21060-disk1.vmdk	
REM	OVF	http://s3.replify.com/v5.x/v5.2.1/vmware_esx/Replify-Manager-5.2.1-21060/Replify-Manager-5.2.1-21060.ovf	
	VMDK	http://s3.replify.com/v5.x/v5.2.1/vmware_esx/Replify-Manager-5.2.1-21060/Replify-Manager-5.2.1-21060-disk1.vmdk	
Microsoft Hyper-V 2012/2016			
VA	http://s3.replify.com/v5.x/v5.2.1/hyper-v_2012/Replify-Appliance-5.2.1-21060-hyperv.zip		
REM	http://s3.replify.com/v5.x/v5.2.1/hyper-v_2012/Replify-Manager-5.2.1-21060-hyperv.zip		
qemu			
VA	http://s3.replify.com/v5.x/v5.2.1/qemu/Replify-Appliance-5.2.1-21060.qcow2		
REM	http://s3.replify.com/v5.x/v5.2.1/qemu/Replify-Manager-5.2.1-21060.qcow2		
Docker			
VA	https://hub.docker.com/r/replifyltd/accelerator/		
REM	https://hub.docker.com/r/replifyltd/manager/		

New Features & Improvements

A list of some of the new features and improvements that have been added since version 5.2.0:

Jira ID	Description
ACC-4809	Replify Accelerator images are now provided in QEMU format

Fixes

A list of some of the issues that have been fixed since version 5.2.0:

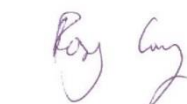| Jira ID	Description
ACC-4804	When under load, circumstance where connections hang has been resolved
ACC-4805	Collecting statistics no longer slows down connections when under load
ACC-4806	Health graph counters no longer reset when graph updates
ACC-4808	Optimization now occurs when an application server has been misconfigured on both VAs on a peered VA deployment
ACC-4814	Improved performance for systems with large caches

Errata or Known Issues

A list of known issues, present in this release, their impact, workarounds and any future actions associated with that issue.

Jira ID	Description
ACC-4719	STARTTLS and HTTP CONNECT content is not cached in client to local VA scenarios
ACC-4648	Mac client service stops when it connects to a VA that is using a non-standard block size
ACC-4427	Android client requires a reboot before upgrade or client re-install
ACC-4255	AVG anti-virus software incorrectly detects a threat during Replify client uninstallation

ACC-4224	Windows 10 uninstall fails using 'modern add/remove programs' interface
ACC-4172	When using Dynamic SSL, the time on the VA must be synchronized with the time on client machines
ACC-4137 ACC-4170 SUPP-938	Skype for Business connections, Dropbox and Email connections to Office 365 from Outlook will be dropped if HTTPS optimization is enabled
ACC-3825	Un-rooted Android devices can only accelerate HTTP(s) traffic
ACC-3718	Intel based processors on Android devices not supported
ACC-3641	Signed CIFS transfers result in high RAM usage and eventual VA crash
ACC-482	Optimization does not occur when both peered VAs have application servers with the same IP address

Release Notes and Errata Approvals

Prepared by:

CEO

Approved by:

CTO

Change Control

Version	Date	Author	Change Description
1.0	13/2/2018	S Dempsey	Release notes for 5.2.1 – initial draft for review
1.1	16/2/2018	R Corry	Added links & final review before release