# Replify Accelerator 5.2 Release Notes

replify

FLEXIBLE NETWORK ACCELERATION

**Replify Ltd**

**21 December 2017**

# Release Information

This document details the content of the Replify Accelerator release 5.2.

This release is a minor release that contains several improvements to reduce memory usage while improving performance along with bug fixes.

The previous GA release of Replify Accelerator was version 5.1.0.

# Release Naming

| | |
|---|---|
| Version | 5.2 |
| Build Number | 20971 |
| Full Version | 5.2.0-20971 |

# Upgrade Instructions

The following versions of the Virtual Appliance (VA) and Enterprise Manager (REM) can be upgraded directly to 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 is no longer supported by Replify.

## Replify CA Certificate

If you are using SSL optimization on your application servers with self-signed certificates or you are using HTTPS to access the Replify GUI, you may need to re-generate your CA certificates.

Several browsers have increased security requirements which result in the Replify CA being considered invalid. If this is an issue, you should re-generate this certificate and any certificates that have been created using it. Please contact Replify support for more details.

## Virtual Appliance OS

Previous virtual machines 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 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/v5.2.0/vmware_esx/Replify+Appliance-5.2.0-20971/Replify+Appliance-5.2.0-20971.ovf |
| | VMDK | http://s3.replify.com/v5.x/v5.2.0/vmware_esx/Replify+Appliance-5.2.0-20971/Replify_Appliance-5.2.0-20971-disk1.vmdk |
| REM | OVF | http://s3.replify.com/v5.x/v5.2.0/vmware_esx/Replify+Manager-5.2.0-20971/Replify+Manager-5.2.0-20971.ovf |
| | VMDK | http://s3.replify.com/v5.x/v5.2.0/vmware_esx/Replify+Manager-5.2.0-20971/Replify_Manager-5.2.0-20971-disk1.vmdk |
| **Microsoft Hyper-V 2012/2016** | | |
| VA | http://s3.replify.com/v5.x/v5.2.0/hyper-v_2012/Replify+Appliance-5.2.0-20971-hyperv.zip | |
| REM | http://s3.replify.com/v5.x/v5.2.0/hyper-v_2012/Replify+Manager-5.2.0-20971-hyperv.zip | |
| **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 5.1.0:

| Jira ID | Description |
|---|---|
| ACC-4762 | SSL version specified on application server is now used for connection between Replify and application server. |
| ACC-4727 | Performance improvements in management processes to increase robustness under load |
| ACC-4722 | A default logging configuration file (log.config) is now included with comments |
| ACC-4713 | Repeated data connection failures now bring down the management connection |
| ACC-4709 | Details about resource alarms are now displayed on the health page |
| ACC-4705<br>ACC-4669 | New measures to maintain performance when memory usage is high |
| ACC-4691 | Default cache directive can be configured from GUI |
| ACC-4680 | Cache now uses larger block size by default to improve offload |
| ACC-4595 | More efficient processing of cache window |
| ACC-4594 | Erlang 20 now used |
| ACC-4475 | Enhanced validation on application server page when adding a server |
| ACC-4455 | Enhanced FTP scan resistance |
| ACC-4408 | Cache protocol performance improvements |

## Fixes

A list of some of the issues that have been fixed since version 5.1.0:

| Jira ID | Description |
|---|---|
| ACC-4752 | Export Report as CSV no longer produces empty CSV file |
| ACC-4748 | Upgrade from 4.4 to 5.2 no longer clears the cache |
| ACC-4739<br>ACC-4734 | HTTP protocol handler now handles WebSockets |
| ACC-4732 | Resolved timeouts with HTTP HEAD requests |

| | |
|---|---|
| ACC-4719 | STARTTLS and HTTP CONNECT content is not blocked in client to local VA scenarios |
| ACC-4718 | Installer robustness improvements |
| ACC-4714 | Resolved timeout issue when adding a subnet application server via the API when DNS is not available |
| ACC-4699 | Popups are centred in viewport rather than page |
| ACC-4688 | Custom services are now correctly applied in client -> bob -> VA scenario. |
| ACC-4684 | Previous and Next buttons are now available on REM clients report |
| ACC-4673 | Correct HTTP status code now returned from Replify GUI when page not found |
| ACC-4670 | Added support for large SSL certificates over 10k |
| ACC-4613 | Interception rules fix for Linux client when connected to multiple VAs with the same application server |
| ACC-3792<br>ACC-248 | FTP traffic is now classified correctly in bandwidth savings page and live traffic graph |

## 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<br>ACC-4170<br>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 | 13/12/2017 | R Corry | Release notes for 5.2– initial draft for review |
| 1.1 | 14/12/2017 | A Caruth | Updated with complete features/fixes |
| 1.2 | 21/12/2017 | R Corry | Added build links and created final version. |