

Replify Accelerator 4.0 Release



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Replify

11/1/2011

Change Control

Version	Date	Author	Change Description
1.0	9/21/2011	P. Moorhead	Release notes for 4.0
1.1	10/5/2011	P. Moorhead	Added issue regarding Trend Micro office scan
1.2	11/1/2011	P.Moorhead	Added comments on cloning PC images

Release Information

This document details the content of Replify Accelerator release 4.0 . It lists the benefits, differences from previous releases and any known issues.

Replify Accelerator 4.0 release is a major release containing several important new features and platform changes. It also resolves issues from previous releases and provides performance improvements.

Release naming

REM	VA	Accelerator Client (32-bit and 64-bit)
4.0 Version 4.0.0-16341	4.0 Version 4.0.0-16341	4.0 Version 4.0.0-16341

New Features

Feature	Description	Notes
MAPI over HTTP and HTTPS	Replify Accelerator will now optimize MAPI over HTTP traffic	Specifically Replify Accelerator will recognize the protocol, de-compress and re-compress the data, and de-duplicate the content.
CIFS2	Replify Accelerator supports the CIFS 2 protocol supported by Windows Vista, Server 2008 and later.	CIFS2 has better performance characteristics than CIFS/SMB2 but Replify Accelerator will improve it further on both cold, and hot passes.
Load Management	Each Virtual Appliance will monitor a number of configured resource thresholds and deflect clients when the thresholds are reached	The resources monitored are: CPU, Memory, Disk, Connections. Deflected users will go directly to the target applications without optimization. Default values are provided but may be modified by a knowledgeable user

Auto-Discovery of Connection type	The Accelerator client will now determine automatically any proxy or firewalls getting in the way of its connection to the virtual appliance, and determine the most appropriate route for connection.	This avoids additional configuration during installation.
Health Dashboard	VA management view allowing the tracking of selected health measures with different granularity.	Allows both rapid diagnosis of incorrect sizing issues, and longer term capacity planning.
CLAN	Co-operative LAN	Available to selected beta trial customers on request. Not otherwise supported.

Enhancements

Name	Description	Notes
License threshold monitoring	REM displays clearly any excess client connections. This is to make it clearer to administrators if more users are attempting to connect to the system than are licensed.	
Increased default client cache size	Default Client cache size now 256MB	
Single cache	The split send/receive cache has been merged into a single cache to ensure full use of cache space even in very "asymmetric" use cases	
VA NIC forcing	A VA with multiple NICs can be forced to listen on any specific NIC rather than the first.	
Updates	Resolution of known issues	
Upgrade and Patch from REM	Ability to upgrade VAs and apply patches directly from the REM UI.	
Linux Integration Services	Linux Integration Services are now included in the Hyper-V image	

Notes on Upgrading to 4.0

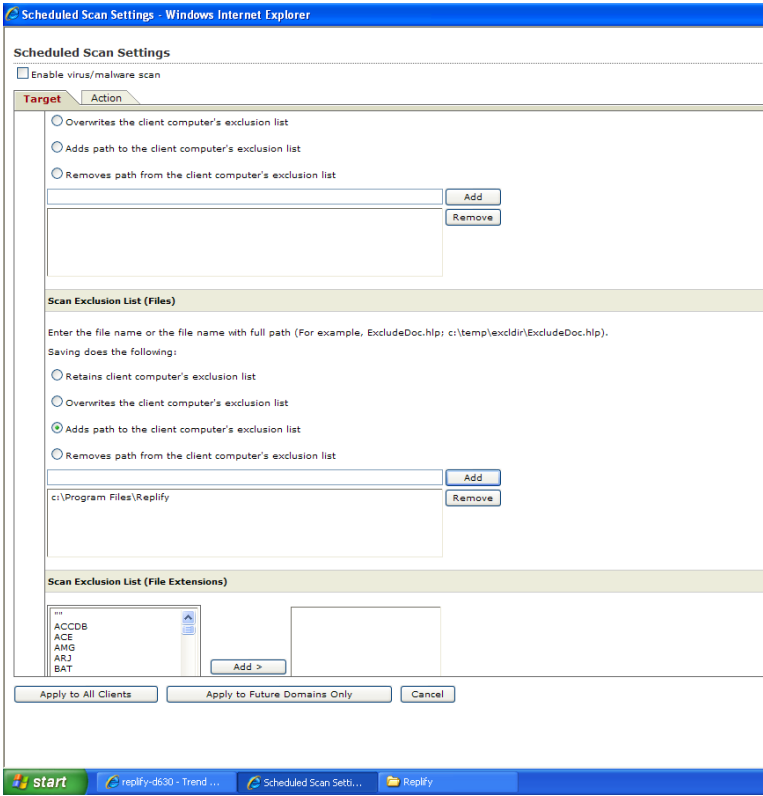
Upgrade from all in-support releases of Replify Accelerator is supported. The following points should be noted:

1. **Client upgrade detection.** Existing 3.x clients will not automatically detect the availability of a new client and offer to upgrade. This is because the VA should be upgraded first in the case where SSL secured traffic is being accelerated.
2. **Rprx.config overwrite prompt during upgrade:** When upgrading a VA to 4.0.0 the user will get a prompt to overwrite the rprx.config – the default answer is "no" – they should proceed by pressing "Enter" at this prompt
3. **XDR cache clearing:** When upgrading to 4.0.0, all caches will be wiped

4. **XDR cache re-sizing:** When upgrading to 4.0.0, all caches will be reset to the new default size of 256MB
5. **Autodiscovery/muxing on VA:** If the VA connects to a REM on a standard HTTP port, it will automatically reconfigure its muxing settings to reflect this. However, this is not reflected in the web UI until a reboot. It should also be noted that the user will not be able to over-ride these settings when connected to a REM as the VA will follow the REM's settings every time. When switching muxing ON/OFF you need to un-peer all VAs, reconfigure muxing settings, then re-peer.
6. **Enabling MAPI optimization.** The 4.0 release includes MAPI optimization which provides enhanced offload when Replify XDR is enabled. In Replify 3.6 the XDR mechanism was disabled within services for the MAPI protocol. Therefore with an upgrade installation the user will need to create a custom MAPI service with XDR enabled.

Errata or Known issues

Fogbugz ID	Description	Impact	Work around
1018	Active FTP support doesn't work via a BOB. <i>Workaround: Use passive FTP mode instead</i>	LOW	YES
1083	When connecting via an MS ISA VPN, the Client can take up to two minutes to notice, and to try and establish connections to the REM and known VAs. (It's near instantaneous with other VPN clients.)	LOW	NO
1395	Not intercepting when used on Windows XP in conjunction with CheckPoint SecureClient VPN.	LOW	NO
2261	FTP traffic is not recognised on Bandwidth savings graph. <i>Still optimized but not on graph</i>	LOW	NO
2681	Double clicking on the .msi will pop up the Windows Explorer window. <i>Workaround: Close the window</i>	LOW	YES
2748	Vista Client uninstallation problem when UAC is turned on. Also affects Windows 7. Note this will affect users upgrading to 4.0 <i>Workaround: Run as administrator or make sure that UAC is OFF.</i>	LOW	YES
4262	On the Configuration --> Accelerator Virtual Appliances page, the option "Give to clients:" is defaulting back to the defined setting on Configuration --> Settings rather than the tag rules the user has configured. <i>Workaround: select correct value</i>	LOW	YES
4257	The new auto discovery functionality applies to connectivity between server components (virtual appliances and enterprise managers) in addition to client connections. If reconfiguring the connection mechanism i.e. switching to, or from, muxed connections, each server component must be isolated before changes are applied. For example, if two virtual appliances are peered, and the system is being switched to a muxed environment, the peering should be removed before the configuration is changed. This avoids a system component reconfiguring itself based on discovering a successful connection route. Additionally, with Auto-discovery, there is a limitation that you can't connect to multiple VAs with different configurations from the same client.. E.g. one muxed system and one non-muxed system.	LOW	YES

<p>XXXX</p>	<p>On Windows XP there is an occasional incompatibility between Trend Micro OfficeScan and Replify Accelerator which can result in a blue-screen crash during a scan.</p> <p>Workaround: Add Replify folders to the Virus/Malware scan exclusions There are separate exclusion lists for Manual Scan, Real-time Scan, Scheduled Scan and Scan Now.</p> <p>To configure scan exclusion settings, go to Networked Computers > Client Management > Settings {Scan Type}.</p> <ul style="list-style-type: none"> • For Manual Scan, Scheduled Scan and Scan Now, go to Virus/Malware tab > Scan Exclusion. • For Real-time Scan, go to Target tab > Scan Exclusion. <p>Add the Replify folders (as below) to both manual and real-time exclusion settings.</p> 	<p>LOW</p>	<p>YES</p>
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4367	Please contact Replify support if planning to deploy cloned PC images which include Replify Accelerator. Currently when the installer runs it stores a unique Guid in the registry. This is used to associate the client with an XDR cache on the VA. Cloned images currently share the same ClientId which leads to constant VA disconnections as each new client connects. We can provide scripts (or other guidance) which trigger the client to generate a unique ID.	Low	Yes
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Release Notes & Errata approvals

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