



Paragon Active Assurance

2.35.6 Release Notes

Introduction

Paragon Active Assurance is a programmable test and service assurance solution using software-based and traffic-generating Test Agents, easily used and delivered from the cloud as a SaaS solution or deployed on-premise in NFV environments.

These release notes accompany Release 2.35.6 of Paragon Active Assurance. They also cover a number of previous releases.

Paragon Active Assurance 2.35.6

This release is a bug fix release and therefore does not contain any new features.

This is a server-side upgrade only; no new Test Agent packages are included in this patch release. See Netrounds 2.35.4 below for version numbers of Test Agent packages.

Netrounds 2.35.5

This release and previous releases were issued under the product name “Netrounds”.

This release is primarily a bug fix release and therefore does not contain any major new features. It does however contain one significant improvement as described below.

This is a server-side upgrade only; no new Test Agent packages are included in this patch release. See Netrounds 2.35.4 below for version numbers of Test Agent packages.

Improvements

! **Note:** An additional item about support for multiple NTP servers was erroneously included in the release notes that were published in the in-app help.

ConfD Updated to Version 7.3

ConfD has been updated from version 6.3 to version 7.3.

Bug Fixes

NF-5733	Unexpected error when creating new accounts	Minor
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Netrounds 2.35.4

This release is a bug fix release and therefore does not contain any major new features or improvements.

Netrounds 2.35.4 includes the following release packages:

- Netrounds Control Center 2.35.4
- Test Agent Appliance 2.35.3.33
- Test Agent Application 2.35.3.23

Bug Fixes

NF-5491	Don't Fragment flag for UDP was not correctly set for unidirectional streams	Major
ND-4691	License was not correctly displayed for some packages on the Test Agent	Trivial

Netrounds 2.35.3

This release is a bug fix release and therefore does not contain any major new features. It does however contain a number of significant improvements as detailed below.

Netrounds 2.35.3 includes the following release packages:

- Netrounds Control Center 2.35.3
- Test Agent Appliance 2.35.2.21
- Test Agent Application 2.35.2.19

Improvements

UDP “Don’t Fragment” Flag Exposed as Configuration Option

Previously, it has not been possible in Netrounds to allow fragmentation of UDP datagrams. Running UDP with larger datagrams than the network permits without fragmentation therefore has not been possible.

A “Don’t fragment” flag is now exposed in the user interface, so that users can test UDP with a larger MTU than the network settings allow while accepting datagram fragmentation (by setting that flag to false).

Improved Warning Message About Path MTU Discovery

The log message about path MTU discovery for UDP streams has been enhanced to give clear details on the discovered maximum MTU.

TCP: Static Delay Added Before Client Connects to Server

When running TCP between Netrounds cTAs on certain types of equipment, it has been found necessary to introduce a static delay after the server side is started and before the client side connects to the server. This delay is added as a configuration option in the GUI.

Bug Fixes

NF-4492	Backend service for Test Agent Application was not using the correct configuration file for SSL certificate and settings	Major
NF-5385	SIP: URI rewrite field incorrectly blocked certain valid inputs	Major
NF-5435	REST API error when requesting a full mesh TCP/UDP	Minor

Netrounds 2.35.2



Note: Release 2.35 of Netrounds Control Center requires Ubuntu 18.04 as operating system. Upgrades from earlier Netrounds Control Center versions require manual actions which are described in a separate upgrade guide for this release.

New Features

Extended Test Agent Application Functionality

The repertoire of the Test Agent Application has been expanded with the following task types:

- TWAMP reflector
- IPTV MPEG
- OTT video
- Ping

Configuration Option Added for WebSocket Speedtest

For WebSocket Speedtest you can now configure the test duration. The maximum duration is 60 s.

Improvements

TWAMP Runs on Interfaces That Do Not Provide TX Timestamps

The TWAMP sender can now be run on interfaces that do not provide TX timestamps from the driver or kernel.

Multisession TCP Between Interfaces on the Same Test Agent

It is now possible to run multisession TCP between two interfaces on the same Test Agent. Previously it was necessary to conduct such sessions between two separate Test Agents.

Netrounds Control Center Now Runs on Ubuntu 18.04

The supported platform of Netrounds Control Center has been upgraded from Ubuntu 16.04 to Ubuntu 18.04.

Extended NTP Statistics

The NTP view for a Test Agent now displays an extended set of NTP statistics. Besides the last time offset sample, the stratum, poll interval, reach, and last RX values are shown.

Time Zone Changed to UTC

The default time zone for users in Netrounds has been changed from CET to UTC. The time zone has also been added as a configurable setting in the netrounds.conf file.

Dynamic Test Agent Name Change in Monitors

If you change the name of a Test Agent in the Netrounds Control Center GUI, the new name will immediately appear in any monitor or test that uses the Test Agent.

Test Agent Version Shown in Boot Log

The Test Agent build version is now shown in the local console log during boot.

Bug Fixes

NF-5287	Unregistered Test Agents counted towards usage limit specified by license	Critical
ND-4358	L2 transparency test failed in networks with very high delay	Major
ND-4490	Old generation of hardware Test Agents failed when attempting to run 64 parallel UDP streams	Major
ND-4565	Incorrect calculation of packet loss for Path trace in some conditions	Major
NF-5078	Incorrect aggregation of lost counter in TWAMP report	Major
NF-5187	DSCP verification was not allowed for UDP streams on TA Application	Major
NF-5199	Test steps for Test Agent Application running TCP/UDP incorrectly failed if a PMTU warning was issued	Major
ND-4206	Test Agent Application on IPv4 host sometimes failed to connect to NCC having both A and AAAA DNS records	Minor
ND-4481	SSH to Test Agent failed from OSX when using default locales	Minor
ND-4505	Test Agent did not respond correctly to IGMP Group Specific Queries	Minor
ND-4509	TWAMP reported more than 100% loss in some corner cases	Minor
ND-4552	Test Agent Application failed to validate SSL certificate by default on Red Hat	Minor
ND-4589	Path trace occasionally failed to start with "Unknown error"	Minor
NF-2915	Race condition when canceling running test	Minor
NF-4226	ConfD password was not properly escaped internally between APIs	Minor
NF-4855	Path trace failed to render graph in some corner cases	Minor
NF-5006	Test Agents pre-provisioned via ConfD got their description overwritten when registering	Minor
NF-5029	SSH keys having whitespace at the end did not show up as synced	Minor
NF-5036	Reports would sometimes fail when content included non-ASCII characters	Minor
NF-5068	Test steps including TWAMP sometimes failed when using built-in time synchronization	Minor
NF-5070	Test steps including UDP sometimes failed due to negative delay on low-latency networks	Minor
NF-5161	Incorrect license enforcement of SSH permissions via ConfD	Minor
NF-5171	Test Agent Application incorrectly shown as online after application failure	Minor

NF-5182	Test configuration in PDF report was not formatted properly	Minor
NF-5269	Monitor ended up in incorrect state if stopped and then started again immediately	Minor
NF-5290	ConfD exports of templates did not follow YANG model output	Minor
ND-4414	Test Agent Hardware Medium was shown as "unknown-pc" in platform details	Trivial
NF-3885	Test Agent inventory search returned too many results compared to limit	Trivial
NF-4039	Path trace packet loss of 0% was displayed as "-" in popup	Trivial
NF-4943	Support text was not shown for all tools	Trivial
NF-4969	Incorrect calculation of number of packets available in PCAP buffer page	Trivial
NF-4995	Custom Speedtest stop button not working in example.html	Trivial
NF-5031	Error when re-registering a Test Agent after the original registrar user was deleted	Trivial
NF-5134	Bad error message for missing TA Application licenses on NCC	Trivial
NF-5151	Test Agent Application was selectable for some unsupported tools	Trivial

Removed Features

Test Agent Lite

Support for Test Agent Lite has been dropped. It is replaced by Test Agent Application.

Flash-based Speedtest

Speedtest based on Flash has been removed. Speedtest now always uses WebSocket.

Known Bugs

NF-4492	Backend service for TA Application does not use the correct configuration file for SSL certificate and settings	Minor
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