Paragon Active Assurance 2.36.2 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 2.36.2 of Paragon Active Assurance. They also cover one previous release.

Paragon Active Assurance 2.36.2

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 2.36.1 below for version numbers of Test Agent packages.

Netrounds 2.36.1

This release was issued under the product name “Netrounds”.

Netrounds 2.36.1 includes the following release packages:

- Netrounds Control Center 2.36.1
- Test Agent Appliance 2.36.0.12
- Test Agent Application 2.36.0.14

New Features

HTTP Support in Test Agent Application

Test Agent Applications now support HTTP testing just like Test Agent Appliances.

EAP-TLS (802.1x) Authentication for Wired Ports

The Extensible Authentication Protocol (EAP) has been implemented for Test Agent Appliances on Ethernet ports in the same way as on Wi-Fi ports. Specifically, the following protocols are now supported:

- EAP-TLS: Extensible Authentication Protocol – Transport Layer Security (EAP-TLS)
- EAP-TTLS/MSCHAPv2: EAP Tunneled Transport Layer Security (EAP-TTLS)
- PEAPv0/EAP-MSCHAPv2: Protected EAP

Test Agent Application Namespace Awareness

Namespaces are a feature of the Linux kernel that partitions kernel resources such that different sets of processes see different sets of resources.

Until now, our Test Agent Application has run in one namespace, seeing only the resources in that specific namespace. In order to utilize all resources in the system, it has been necessary to install one Test Agent Application in each namespace.

What is new in this release is that the Test Agent Application is equipped with knowledge of all namespaces and all of their resources, and can run tests and monitors in any namespace. Therefore, a system with *n* namespaces can now be covered with a single Test Agent Application rather than *n* Test Agents.

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Retrieving Control Center Status via APIs

A set of statistics on Netrounds system activity can now be retrieved via the NETCONF & YANG and REST APIs. These statistics include the number of users and Test Agents in the system as well as the number of monitor tasks of various types that are currently running.

Retrieving All Speedtest Results via REST API

The REST API feature for fetching Speedtest results has been extended so that you can now fetch all results in one go, as opposed to the results of a specific measurement.

Improvements

Support for Multiple NTP Servers

Until now, Test Agent Appliances have been limited to relying on a single NTP server. From this version onward, multiple NTP servers and/or NTP pools can be used. Up to four servers will be used from each NTP pool specified.

To enable configuration of multiple NTP servers in NETCONF, the “ntp” node found under a Test Agent in the YANG model now contains a list “servers” instead of a node “server” representing a single NTP server.

Bug Fixes

ND-4760	Test Agent on VMware sometimes ran out of free disk due to excessive logging	Major
ND-4819	Driver for FastLinQ QL41000 NICs was not properly loading	Major
NF-5404	Test Agent Application key was incorrectly stored in logs	Major
ND-4686	LLDP frames was dropped on Intel s710 NICs	Minor
ND-4735	Transparency tests occasionally failed on Intel s710 NICs	Minor
NF-4795	Speedtest failed if Test Agent name included non-ASCII characters	Minor
NF-5029	Adding SSH keys including whitespaces was incorrectly rejected	Minor
NF-5137	Test Agents using very long names could not be unregistered	Minor
NF-5359	Renaming of a Test Agent would occasionally fail with unknown error	Minor
NF-5451	Test Agent Application plugins sometimes got stuck in running state if NCC connectivity was lost	Minor
NF-5464	Running TWAMP towards localhost of a Test Agent Application failed	Minor
NF-5615	REST API could not list inventory if tags were used for Test Agent Application	Minor
NF-5626	Start time for a test step was returned as Unix timestamp instead of an ISO 8601 one in REST API	Minor
NF-5671	GUI error when configuring VLANs on a Wi-Fi interface	Minor

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NF-5687	Report generation failed for tests including the Ping tool	Minor
ND-4564	PMTU was in some cases incorrectly reported for Test Agent Application	Trivial
NF-5346	Missing license allotment for Test Agent Application gave incorrect error message	Trivial
NF-5616	REST API keys were stored in error logs for unhandled exceptions	Trivial

Known Bugs

NF-5877	Direct upgrade from 2.35.0 ... 2.35.4 to 2.36.1 fails	Major

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