

# Release Notes

Published  
2022-05-19

Paragon Active Assurance Control Center Release 3.3.1

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# Introduction

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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 3.3.1 of Paragon Active Assurance Control Center and detail its new features.

Build numbers:

- Test Agent Appliance: 3.3.1.23
- Test Agent Application: 3.3.1.18
- Plugins: 3.3.1-20

A list of bug fixes is also provided as well as descriptions of limitations and known problems.

These release notes are available on the Paragon Active Assurance Documentation Web page at [https://www.juniper.net/documentation/product/en\\_US/paragon-active-assurance](https://www.juniper.net/documentation/product/en_US/paragon-active-assurance).

## General Notes

- Please note that not all features of Paragon Active Assurance are available to every customer; rather, availability is dependent on what product or service has been purchased.

# New and Changed Features

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## Collection of Junos RPM Measurements

Paragon Active Assurance is now able to collect Junos RPM (TCP, UDP, ICMP, and HTTP) measurement results from Juniper routers and switches running Junos. As in the case of Junos TWAMP introduced earlier, the Test Agent connects to the Juniper device via NETCONF, evaluates errored second criteria, and reports all data back to Control Center.

## Netflix Speedtest

Test Agents in this release can download Netflix test segments over HTTPS from one or several OCAs (Open Connect Appliances). The bandwidth is measured in the course of download or upload to OCA URLs provided by api.fast.com servers and compared to errored second thresholds.

The Netflix Speedtest plugin is available on both Test Agent Application and Test Agent Appliance.

## Production-ready TimescaleDB

TimescaleDB, introduced as a tech preview in Paragon Active Assurance 3.1.0, is now offered as a production-ready feature. Please note that TimescaleDB is still by default disabled.

## Configurable Criterion for Unavailable Seconds (UAS)

A period of Unavailable Seconds (UAS) is triggered by a number of consecutive severely errored seconds (SES). Until now, that number has been fixed at 10. In this release, the SES count threshold has been made configurable for the TWAMP task.

## UDP Loopback over IPv6

The UDP loopback task now supports IPv6 as well as IPv4.

## Automated Backup and Restore

New `ncc` CLI commands have been implemented for taking a backup of a Paragon Active Assurance Control Center and for restoring such a system from backup. This simplifies backup and restore procedures.

## Deprecated Features

None

# Known Issues

None

## Resolved Issues

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This section lists limitations that are resolved with this release. The priority of each issue is also indicated.

## Control Center

- CCC-333 Data collection interrupted due to log record ID overflow, which in turn was caused by large numbers of warnings being generated by plugins. (P1 – Critical)
- CCC-363 License expiration not shown in the GUI; system halted without prior warning, not respecting the 30-day grace period. (P1 – Critical)
- CCC-18 Possible to create REST API token (using `ncc rest-create-token`) for non-existent account. (P2 – High)
- CCC-258 Problems sending some SNMP alarms. (P2 – High)
- CCC-276 The command `ncc license report` failed with error message. (P2 – High)
- CCC-282 Junos TWAMP not allowed by default license after upgrade to 3.2.0. (P2 – High)

- CCC-327 Outdated package dependency might cause Control Center to be uninstalled following Ubuntu upgrade. (P2 – High)
- CCC-367 Stream counting was inconsistent across GUI, `ncc status` command, and `ncc license status` command. (P2 – High)
- CCC-418 User who shared a monitor to a different account was unable to remove the share. (P2 – High)
- CCC-442 Setting the gateway for a Test Agent Appliance static IPv6 configuration in the GUI failed. (P2 – High)
- CCC-478 RX/TX data rates and packet counters missing on Test Agent interface Status tab. (P2 – High)
- CCC-495 Alarms were not created for SIP monitors. (P2 – High)
- CCC-176 Path trace rendering bugs: hops moving around, hops drawn on lines between other hops or otherwise misplaced. (P3 – Medium)
- CCC-256 ASN details not shown together with IP addresses in Path trace presentation except in node infotips. (P3 – Medium)
- CCC-257 Templates under "My Templates" could not be shared (no share link present). (P3 – Medium)
- CCC-266 Test Agent search input interpreted as user input by LastPass. (P3 – Medium)
- CCC-626 Parts of RFC 6349 test failed with "Unknown error". (P3 – Medium)
- CCC-630 EIR configuration test (color-aware) and Traffic policing test (color-aware) failed with "Unknown error". (P3 – Medium)
- CCC-631 QoS policy profiling test failed with "Unknown error". (P3 – Medium)
- CCC-332 Output directory of `ncc generate-troubleshooting-report` command was not indicated in documentation. (P4 – Low)

## Metrics-related

- NF-7357 Configuration and inventory details for reflector-based tools were missing from Streaming API metadata. (P2 – High)

# Test Agent

- TAP-355 Problem deploying .vhd image from Paragon Active Assurance 3.2.2 as VM in Microsoft Azure (P1 – Critical)
- TAP-237 ICMP ID for Path trace plugin was not unique across different measurements run on the same Test Agent. (P3 – Medium)