



A **ZEPHYRTEL** SOLUTION

UltraBand™ Version 5.7.9

Release Notes

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Release Overview

Release Version	UltraBand 5.7.9
Release Date	October 19, 2018
Release Type	General Availability
Deliverables	<ul style="list-style-type: none">• Upgrade package for existing UltraBand 5.7 instances• Release Documentation (Release Notes)
Additional Information	Improvements since UltraBand 5.7.8 release: 5 bug fixes

Fixed Customer Defects Summary

JIRA ID	Zendesk ID	Description
PAUB-18101	302945 368212 398672 399204 399239	Issue with P2P traffic
PAUB-18414	318699 399197	5.7.7b91 Pang restarted due to lwip overload
PAUB-18210	306047 306436	Top HTTP URLs not showing
PAUB-19148		Crash at tcp_in.cpp:223
PAUB-18335	309356	V5.7.8 Issue with Live traffic processing NO_HASH

Fault Analysis Report

PAUB-18101 Issue with P2P traffic

A customer has reported a significant degradation in BitTorrent traffic speed. Those specific conditions were reproducible in one customer's environment only. A detailed investigation of this issue showed that disk I/O latency on that particular system was greater than expected, and because of that UltraBand did not perform Cache-In and Cache-Out, waiting for disk I/O latency to return to expected value. A fix was provided to not enforce limits on disk I/O latency, to prevent similar situations in the future.

PAUB-18414 5.7.7b91 Excellmedia | PANG restarted due to lwip overload

A detailed investigation of this issue showed that this was an application crash, rarely reproducible only during high traffic condition. A fix was provided to prevent similar situation in the future.

PAUB-18210 Top HTTP URLs not showing

A detailed investigation of this issue showed that this was a regression, introduced by making code changes to one module of the product, and not propagating similar code changes to another module of the product. As a result, network communication between UltraBand and UB View got broken. To fix this issue, the code of both modules was synchronized again.

PAUB-19148 Crash at tcp_in.cpp:223

A detailed investigation of this issue showed that this was an application crash, rarely reproducible only during high traffic condition. A fix was provided to prevent similar situation in the future.

PAUB-18335 V5.7.8 Issue with Live traffic processing NO_HASH

It was reported that customer IPTV traffic was not working if Live Events feature was enabled in UltraBand. A detailed investigation of this issue showed that when Live Events feature was enabled, Ultraband 5.7.8 was unable to successfully forward live stream packets if the live stream source was not recognized as "live". A fix was provided to forward live stream packets unconditionally.

Stability Improvements

PeerApp is constantly improving its testing methods, which allows us to detect potential stability issues before they are reported by customers. As a result of this initiative, this release includes improvements for overall stability of the product.