



A **ZEPHYRTEL** SOLUTION

UltraBand™ Version 6.2.5

Release Notes

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Release Overview

Release Version	UltraBand 6.2.5
Release Date	October 29, 2018
Release Type	General Availability
Deliverables	<ul style="list-style-type: none">• Upgrade package for existing UltraBand 6.2 instances• ISO image for fresh installations of UltraBand 6.2.5• Release Documentation (Release Notes)
Additional Information	Improvements since UltraBand 6.2.3 hot-fix release: 4 bug fixes 2 new features

Fixed Customer Defects Summary

JIRA ID	Zendesk ID	Description
PAUB-17188	271944	Web cache errors - cache out failed - Version 6.2.2b601
PAUB-17887	291527	6.2.2b601 Signal 6 core
PAUB-18272	306070	Version 6.2.3b139 Application crash on policy configuration
PAUB-18467	308984, 399174	Version 6.2.3b298 Application crash on policy configuration

New Features Summary

JIRA ID	Zendesk ID	Description
PAUB-18484		Improve synchronization during configuration reloading

PAUB-19187	400401	Wrong detection of domain containing ts word as live
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Fault Analysis Report

PAUB-17188 Web cache errors - cache out failed - Version 6.2.2b601

Similar log outputs were observed on many customer environments. A detailed investigation of this issue showed that this log output is purely informative, and does not report any problem with the software. The priority of this log output was decreased to DEBUG level, to avoid confusion in the future.

PAUB-17887 6.2.2b601 Signal 6 core

A detailed investigation of this issue showed that UltraBand had a legacy mechanism which would terminate and restart the application if I/O subsystem was experiencing a prolonged overload.

It was decided that such mechanism is unnecessary, because I/O subsystem overload is a normal condition during busy hours, and is greatly dependent on the specific hardware which is used in the customer's environment. Therefore, this mechanism was completely removed, so that UltraBand will continue functioning in busy hours until the traffic gets lower, and I/O subsystem goes back to normal condition.

PAUB-18272 Version 6.2.3b139 Application crash on policy configuration

PAUB-18467 Version 6.2.3b298 Application crash on policy configuration

A detailed investigation of this issue showed that this was a regression introduced in UltraBand 6.2.3 due to importing features from a parallel code base. The regression was fixed. In addition to that, a full analysis of configuration reloading procedure was performed, and an enhancement ticket was opened, which is also resolved in the release (**PAUB-18484** Improve synchronization during configuration reloading)

New Features

PAUB-19187 Wrong detection of domain containing ts word as live

A new options were added to cluster_conf.xml file to prevent false detection of some domain names and URLs as Live streaming. The **<livestream_blacklist>** element inside the **<policy>** element allows to specify the domains and URLs which should not be considered Live streaming URLs. The configuration should look like:

```
<policy>
  <livestream_blacklist>
    <live_blacklist>{match_type},{pattern}</live_blacklist>
  </livestream_blacklist>
</policy>
```

It is possible to include several **<live_blacklist>** sub-elements into **<livestream_blacklist>** element. The **match_type** integer parameter allows to control how the **pattern** is matched against the URL:

Match Type	Behavior
0	The pattern must fully match the domain name
1	The pattern must fully match the URI
2	The pattern must fully or partially match the URI
3	The pattern must fully or partially match the domain name

Stability Improvements

PeerApp is constantly improving its testing methods as well observing customer logs during troubleshooting of other customer defects. There were quite a number of instances we had seen **segmentation** fault errors in the logs and these segmentation fault issues sometimes leading to server crashes, which prompted us to proactively scan few modules and identify the root cause of these segmentation fault issues. The root cause identified was mainly due to passing the null values to the subroutines which are causing segmentation issues and potentially stability issues. Product team is constantly fixing some of these issues and including them in each release before customers raising the defects. As a result of this initiative, this release includes improvements for overall stability of the product.

As the issues are very internal and might not be relevant to the customers we are not updating with full list and to provide the transparency on what kind of issues were fixed below are the two examples.

JIRA ID	Zendesk ID	Description
PAUB-19098		Crash at tcp_in.cpp:242
PAUB-18360		NULL pointer dereferencing in classifier_thread_c::process_packet()