



PCA Release Notes

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IBM Tealeaf CX Passive Capture Application Release Notes

Review the release notes for information about new features and fixes that are introduced within a release of the CX Passive Capture Application.

Release Notes - PCA

This section contains the release notes for the IBM® Tealeaf® CX Passive Capture Application by version.

Each page below contains all release notes for each build of the PCA version.

For product documentation, see "Passive Capture Application Manual" in the *IBM Tealeaf Passive Capture Application Manual*.

CX PCA Build 3682-24 and 3732-24 Release Notes

IBM Tealeaf Release V9.0.2 and V9.0.2A introduces IBM TealeafCX PCA build 3682-24 and 3732-24.

The following changes are included in these builds.

Major Changes

- PHP upgrade to 5.6.30
- X.509 Certificate Authentication for communication with Tealeaf Components (PCA WebConsole, PCA Delivery to HBR, etc...)
- Memcached SASL Authentication
- All functional updates and security updates from all previous fix packs.

Bug Fixes

The following items were fixed in this release of the CX PCA software.

- PCA WebConsole Fixes (including Translation updates)

Additional Information

Pre-requisite: libdb-4.7.so is a required package for the PCA installation 9.0.2A

Installing libdb-4.7.so:

- For RHEL 5,6: yum install db4
- For RHEL 7: yum install compat-db47
- For Suse10: zypper install db
- For Suse11: zypper install libdb4

Note: RHEL5 and Suse10 is end-of-life so you might need to download the rpms manually if yum or zypper cannot find the packages in their repos.

Note: For x64 operating systems, you will need to add the ".i686" extension to the package name. For example, yum install db4.i686

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CX PCA Build 3680 and 3730 Release Notes

IBM Tealeaf Release V9.0.2 and V9.0.2A introduces IBM TealeafCX PCA build 3680 and 3730.

The following changes are included in these builds.

Major Changes

- New support for RHEL 7.
- New support for AES128 SSL encryption for the transport service between the PCA and CX server. If the CX server is not later than version 9.0.2, then RC4 SSL encryption will be used.
- New support for hosting a PCA server in a VMware virtual machine.
- New support for international languages in the CX PCA web console.

Additional Information

CX PCA Build 3730 only: Enhanced International Character Support (EICS)

IBM Tealeaf CX PCA build 3730 includes Enhanced International Character Support (EICS). When IBM Tealeaf version 9.0.2A and CX PCA are deployed together, the following EICS enhancements are enabled:

- Support for all common web page encodings, including those commonly used for Japanese, Chinese, and Korean.
- Improved encoding, searching, filtering, and collation operations on non-ASCII data (characters outside of A-Z, a-z, 0-9, and common punctuation).
- Support when the user data being processed is not the same as the native character encoding of the operating system. For example, IBM Tealeaf components can process Arabic data on a French Windows operating system.

CX PCA Build 3670 and 3720 Release Notes

IBM Tealeaf Release V9.0.1 and V9.0.1A introduces IBM Tealeaf CX PCA build 3670 and 3720.

The following changes are included in these builds.

Major Changes

- New support for deployment into an IBM Softlayer cloud-based environment when used with the included IBM Tealeaf Cloud Packet Capture
- New support for deployment into a Microsoft Azure cloud-based environment when used with the included IBM Tealeaf Cloud Packet Capture
- Support for multiple Listen-Routerd pairs (MLRP). Using multiple Listen instances, you can configure multiple NICs to improve performance and scalability in a load balanced environment.
- New support for PCA SSL pooling. PCA SSL pooling provides the ability to deploy multiple PCA servers that share SSL session information between them. An SSL session that is started on one PCA server in the pool can be resumed on another server within the pool. PCA SSL pooling can be used to improve performance and scalability in your IBM Tealeaf environment.

Bug Fixes

The following items were fixed in this release of the CX PCA software.

- PCA automatically restarts after changes are saved within the web console
- PCA web console is updated to use openssl v1.0.1i, mod_ssl.so
- Updated the ICU library to v54.1
- Removed the **Queue2** field in the **Pipeline** tab of the web console due to possible errant entry value
- In the **Pipeline** of the web console, **Capture Request Methods** is now a user-defined list
- Fixed PCA time stamps to correctly report the CX Replay Net Time
- Fixed master Tealeaf script where starting the PCA might report error messages while the NIC devices are starting
- Fixed PCA packet forwarder socket connection to correctly reconnect after a system restart
- Fixed packet forwarder installation to correctly run as a system service for Suse platforms

- Fixed packet forwarder ctcstats to prevent the packet forwarder's PID from being cleared in the stats shared memory when clearing its stats

Additional Information

CX PCA Build 3720 only: Enhanced International Character Support (EICS)

IBM Tealeaf CX PCA build 3720 includes Enhanced International Character Support (EICS). When IBM Tealeaf version 9.0.1A and CX PCA are deployed together, the following EICS enhancements are enabled:

- Support for all common web page encodings, including those commonly used for Japanese, Chinese, and Korean.
- Improved encoding, searching, filtering, and collation operations on non-ASCII data (characters outside of A-Z, a-z, 0-9, and common punctuation).
- Support when the user data being processed is not the same as the native character encoding of the operating system. For example, IBM Tealeaf components can process Arabic data on a French Windows operating system.

CX PCA Build 3650 and 3700 Release Notes

IBM Tealeaf Release V9.0 and V9.0A introduces IBM Tealeaf CX PCA build 3650 and 3700.

The following changes are included in these builds.

Major Changes

- New support for deployment into the Amazon Web Services (AWS) cloud-based environment when used with the included IBM Tealeaf Cloud Packet Capture
- New Cloud Packet Capture

The Cloud Packet Capture is used to capture and forward network packets to a cloud-based CX PCA that is operating on a virtual machine. The CX PCA processes the network packets that are forwarded by the Cloud Packet Capture into hits.

• CX PCA Build 3700 only: Enhanced International Character Support (EICS)

IBM Tealeaf CX PCA build 3700 includes Enhanced International Character Support (EICS). IBM Tealeaf version 9.0A and CX PCA build 3700 provides the following enhancements, which are not available in IBM Tealeaf CX PCA build 3650 and IBM Tealeaf Customer Experience V9.0.

- Support for all common web page encodings, including those commonly used for Japanese, Chinese, and Korean.
- Improved encoding, searching, filtering, and collation operations on non-ASCII data (characters outside of A-Z, a-z, 0-9, and common punctuation).
- Support when the user data being processed is not the same as the native character encoding of the operating system. For example, IBM Tealeaf components can process Arabic data on a French Windows operating system.



Warning: IBM Tealeaf CX PCA build 3700 must be installed with IBM Tealeaf Customer Experience V9.0A. IBM Tealeaf CX PCA build 3650 is not supported by IBM Tealeaf Customer Experience V9.0A and CX PCA build 3700 is not supported by IBM Tealeaf Customer Experience V9.0.

IBM Tealeaf Customer Experience V9.0A and CX PCA build 3700 should only be used if you require the additional features that are provided by Enhanced International Character Support (EICS). If you do not require these additional features, install IBM Tealeaf Customer Experience V9.0 and CX PCA build 3650.

See the IBM Tealeaf Customer Experience V9.0 Release Notes for more information about the difference between V9 and V9.0A

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