

# Release Notes

## 2.4.0.0

Changes since the last release:

- Source release and binary release.
- New Feature: Pluggable Vectorized Execution Engine on HAWQ.
- New Feature: Support Runtime Filter for HAWQ local hash join.
- Bug fixes

## 2.3.0.0-incubating

Changes since the last release:

- Source release and binary release.
- HAWQ Ranger supports RPS HA.
- HAWQ Ranger supports Kerberos authentication.
- HAWQ Core supports pluggable external storage framework.
- HAWQ Core supports HDFS TDE (Transparent Data Encryption) through libHdfs3.
- Licenses: Fix PXF license files located in PXF jar files.
- Licenses: Check Apache HAWQ mandatory libraries to match LC20, LC30 license criteria.
- Bug fixes.

## 2.2.0.0-incubating

Changes since the last release:

- Source release and binary release.
- CentOS 7.x Support.
- Ranger Integration.
- PXF ORC Profile.
- Bug Fixes.

## 2.1.0.0-incubating

Changes since the last release:

- Source code only.
- Critical HAWQ Register bug fixes
- Add Apache Ambari plugin to Apache HAWQ.
- Introduction of the PXF ORC support
- Many bug fixes

## 2.0.0.0-incubating

The first ASF release:

- Source code only.
- Clear all potential IP issues in the current code base and make it legally ready to be adopted by the community.