

Configuring HBase for Phoenix

Date published: 2020-02-29

Date modified: 2020-10-07



Legal Notice

© Cloudera Inc. 2025. All rights reserved.

The documentation is and contains Cloudera proprietary information protected by copyright and other intellectual property rights. No license under copyright or any other intellectual property right is granted herein.

Unless otherwise noted, scripts and sample code are licensed under the Apache License, Version 2.0.

Copyright information for Cloudera software may be found within the documentation accompanying each component in a particular release.

Cloudera software includes software from various open source or other third party projects, and may be released under the Apache Software License 2.0 (“ASLv2”), the Affero General Public License version 3 (AGPLv3), or other license terms. Other software included may be released under the terms of alternative open source licenses. Please review the license and notice files accompanying the software for additional licensing information.

Please visit the Cloudera software product page for more information on Cloudera software. For more information on Cloudera support services, please visit either the Support or Sales page. Feel free to contact us directly to discuss your specific needs.

Cloudera reserves the right to change any products at any time, and without notice. Cloudera assumes no responsibility nor liability arising from the use of products, except as expressly agreed to in writing by Cloudera.

Cloudera, Cloudera Altus, HUE, Impala, Cloudera Impala, and other Cloudera marks are registered or unregistered trademarks in the United States and other countries. All other trademarks are the property of their respective owners.

Disclaimer: EXCEPT AS EXPRESSLY PROVIDED IN A WRITTEN AGREEMENT WITH CLOUDERA, CLOUDERA DOES NOT MAKE NOR GIVE ANY REPRESENTATION, WARRANTY, NOR COVENANT OF ANY KIND, WHETHER EXPRESS OR IMPLIED, IN CONNECTION WITH CLOUDERA TECHNOLOGY OR RELATED SUPPORT PROVIDED IN CONNECTION THEREWITH. CLOUDERA DOES NOT WARRANT THAT CLOUDERA PRODUCTS NOR SOFTWARE WILL OPERATE UNINTERRUPTED NOR THAT IT WILL BE FREE FROM DEFECTS NOR ERRORS, THAT IT WILL PROTECT YOUR DATA FROM LOSS, CORRUPTION NOR UNAVAILABILITY, NOR THAT IT WILL MEET ALL OF CUSTOMER’S BUSINESS REQUIREMENTS. WITHOUT LIMITING THE FOREGOING, AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, CLOUDERA EXPRESSLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, QUALITY, NON-INFRINGEMENT, TITLE, AND FITNESS FOR A PARTICULAR PURPOSE AND ANY REPRESENTATION, WARRANTY, OR COVENANT BASED ON COURSE OF DEALING OR USAGE IN TRADE.

Contents

Configure HBase for use with Phoenix.....	4
--	----------

Configure HBase for use with Phoenix

Before you start using Phoenix with HBase, you must configure HBase to recognize Phoenix operations.

About this task



Important: You must configure HBase for use with Phoenix only for the CDP Data Center deployments. This configuration is done automatically for CDP Public Cloud deployments.

Configure the following HBase properties using Cloudera Manager:

Procedure

1. Go to the HBase service.
2. Click the Configuration tab.
3. Select Scope RegionServer .
4. Select Category Advanced .
5. Locate WAL Codec class property or search for `hbase.regionserver.wal.codec`.

Add the following property value:

```
org.apache.hadoop.hbase.regionserver.wal.IndexedWALEditCodec
```

6. Set the HBase Service Advanced Configuration Snippet and HBase Client Advanced Configuration Snippet properties to enable user-defined functions. Locate the property or search for HBase Service Advanced Configuration Snippet (Safety Valve) for `hbase-site.xml` and HBase Client Advanced Configuration Snippet (Safety Valve) for `hbase-site.xml`.

Add the following property value:

```
<property>
  <name>phoenix.functions.allowUserDefinedFunctions</name>
  <value>true</value>
</property>
```

7. Enter a Reason for change, and then click Save Changes to commit the changes.
8. Restart the role and service when Cloudera Manager prompts you to restart.