

Summary of work

- The new feature introduces new command-line extensions to the hbase command and, from the client side, is accessible through command-line only
- Operations:
 - Create full backup on a list of tables or backup set
 - Create incremental backup image for table list or backup set
 - Restore list of tables from a given backup image
 - Show current backup progress
 - Delete backup image and all related images
 - Show history of backups
 - Backup set operations: create backup set, add/remove table to/from backup set, etc
- In the current implementation, the feature is already usable
- The full list of JIRAs included in this mega patch can be found in three umbrella JIRAs: HBASE-14030 (Phase 1), HBASE-14123 (Phase 2) and HBASE-14414 (Phase 3 - all resolved ones)

What are the remaining work items

All remaining items can be found in Phase 3 umbrella JIRA: HBASE-14414.

The major ones:

[HBASE-14417](#) Incremental backup and bulk loading

[HBASE-14135](#) HBase Backup/Restore Phase 3: Merge backup images

[HBASE-17517](#) Backup client API

[HBASE-14141](#) HBase Backup/Restore Phase 3: Filter WALs on backup to include only edits from backup tables

[HBASE-16557](#) UI for backup / restore

[HBASE-15476](#) HBase Backup/Restore Phase 3: Multiple backup destinations support

We have umbrella JIRA (HBASE-14414) to track all the remaining work

All the JIRAs currently in open state will be implemented by 2.0 release time.

The former development branch (HBASE-7912) is obsolete and will be closed/deleted after the merge.

We want backup to be a GA feature in 2.0

We are going to support full backward compatibility for backup tool in 2.0 and onwards.