

# CEPH-KVSTORE-TOOL – CEPH KVSTORE MANIPULATION TOOL

## SYNOPSIS

**ceph-kvstore-tool** <leveldb|rocksdb|bluestore-kv> <store path> *command* [args...]

## DESCRIPTION

**ceph-kvstore-tool** is a kvstore manipulation tool. It allows users to manipulate leveldb/rocksdb's data (like OSD's omap) offline.

## COMMANDS

**ceph-kvstore-tool** utility uses many commands for debugging purpose which are as follows:

### **list [prefix]**

Print key of all KV pairs stored with the URL encoded prefix.

### **list-crc [prefix]**

Print CRC of all KV pairs stored with the URL encoded prefix.

### **exists <prefix> [key]**

Check if there is any KV pair stored with the URL encoded prefix. If key is also specified, check for the key with the prefix instead.

### **get <prefix> <key> [out <file>]**

Get the value of the KV pair stored with the URL encoded prefix and key. If file is also specified, write the value to the file.

### **crc <prefix> <key>**

Get the CRC of the KV pair stored with the URL encoded prefix and key.

### **get-size [<prefix> <key>]**

Get estimated store size or size of value specified by prefix and key.

### **set <prefix> <key> [ver <N>|in <file>]**

Set the value of the KV pair stored with the URL encoded prefix and key. The value could be *version\_t* or text.

### **rm <prefix> <key>**

Remove the KV pair stored with the URL encoded prefix and key.

### **rm-prefix <prefix>**

Remove all KV pairs stored with the URL encoded prefix.

### **store-copy <path> [num-keys-per-tx]**

Copy all KV pairs to another directory specified by path. [num-keys-per-tx] is the number of KV pairs copied for a transaction.

### **store-crc <path>**

Store CRC of all KV pairs to a file specified by path.

### **compact**

Subcommand compact is used to compact all data of kvstore. It will open the database, and trigger a database's compaction. After compaction, some disk space may be released.

### **compact-prefix <prefix>**

Compact all entries specified by the URL encoded prefix.

### **compact-range <prefix> <start> <end>**

Compact some entries specified by the URL encoded prefix and range.

### **repair**

Try to repair the kvstore.

## AVAILABILITY

**ceph-kvstore-tool** is part of Ceph, a massively scalable, open-source, distributed storage system. Please refer to the Ceph

documentation at <http://ceph.com/docs> for more information.

## SEE ALSO

[ceph](#)(8)