Rocky Enterprise Linux 9.2 Manual Pages on command 'git-merge-index.1'

$ man git-merge-index.1

GIT-MERGE-INDEX(1)   Git Manual   GIT-MERGE-INDEX(1)

NAME

   git-merge-index - Run a merge for files needing merging

SYNOPSIS

   git merge-index [-o] [-q] <merge-program> (-a | [--] <file>*)

DESCRIPTION

   This looks up the <file>(s) in the index and, if there are any merge entries, passes the

   SHA-1 hash for those files as arguments 1, 2, 3 (empty argument if no file), and <file> as

   argument 4. File modes for the three files are passed as arguments 5, 6 and 7.

OPTIONS

   --

      Do not interpret any more arguments as options.

   -a

      Run merge against all files in the index that need merging.

   -o

      Instead of stopping at the first failed merge, do all of them in one shot - continue

      with merging even when previous merges returned errors, and only return the error code

      after all the merges.

   -q

      Do not complain about a failed merge program (a merge program failure usually

      indicates conflicts during the merge). This is for porcelains which might want to emit

      custom messages.

   If git merge-index is called with multiple <file>s (or -a) then it processes them in turn

only stopping if merge returns a non-zero exit code.

Typically this is run with a script calling Git?s imitation of the merge command from the

RCS package.

A sample script called git merge-one-file is included in the distribution.

ALERT ALERT ALERT! The Git "merge object order" is different from the RCS merge program

merge object order. In the above ordering, the original is first. But the argument order

to the 3-way merge program merge is to have the original in the middle. Don?t ask me why.

Examples:

    torvalds@ppc970:~/merge-test> git merge-index cat MM

    This is MM from the original tree.   # original

    This is modified MM in the branch A.   # merge1

    This is modified MM in the branch B.   # merge2

    This is modified MM in the branch B.   # current contents

or

    torvalds@ppc970:~/merge-test> git merge-index cat AA MM

    cat: : No such file or directory

    This is added AA in the branch A.

    This is added AA in the branch B.

    This is added AA in the branch B.

    fatal: merge program failed

where the latter example shows how git merge-index will stop trying to merge once anything

has returned an error (i.e., cat returned an error for the AA file, because it didn?t

exist in the original, and thus git merge-index didn?t even try to merge the MM thing).

GIT

    Part of the git(1) suite

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