

Git ????? ?? .git ?? ?? ?? (2?)

4. git stash ? ?? ??

4.1 ?? ???

```
git stash
```

4.2 .git ?? ??

| ?? ?? | ?? ?? |
|-----------------------------------|--|
| <code>.git/objects/</code> | ?? ?? ?? (???))? stash? ???? ?? (2~3?? ?? ??) |
| <code>.git/logs/refs/stash</code> | ???? stash? ?? ?? ?? |
| <code>.git/refs/stash</code> | ?? ?? stash? ???? ?? (???) ?? ??) |

```
.git/  
├─ objects/      ← stash ?? ?? ?? ?? ??  
├─ refs/stash   ← ?? stash ??  
├─ logs/refs/stash ← stash ?? ??
```

4.3 ?? ??

```
main:  A---B---C  
      ↑  
      HEAD / index  
  
► git stash  
  
??:  
- ?? ?????? ?? ????  
- .git/refs/stash → stash ?? ??
```

5. git cherry-pick ? ? ? ?

5.1 ? ? ? ? ?

```
git cherry-pick alb2c3d
```

5.2 .git ? ? ? ?

| <code>.git/objects/</code> | cherry-pick [] [] [] [] [] [] [] |
|------------------------------------|---|
| <code>.git/CHERRY_PICK_HEAD</code> | [] [] [] [] ([] [] [] []) |
| <code>.git/HEAD</code> | [] [] [] [] [] [] |
| <code>.git/index</code> | [] [] [] [] |

5.3 ? ? ? ?

```
main: A---B---C ← HEAD
feature: D---E ← cherry-pick [ ]
```

```
▶ git cherry-pick E
```

```
[ ]:
main: A---B---C---E' ← HEAD
```

```
“E [ ] [ ] [ ] [ ] [ ] [ ] E' [ ] [ ] [ ] [ ]
```

6. git revert ? ? ? ? ?

6.1 ? ? ? ? ?

```
git revert C
```

6.2 .git ?? ??

| ?? ?? | ?? ?? |
|----------------------------|---------------------------------|
| <code>.git/objects/</code> | <code>revert</code> ?? ?? ?? ?? |
| <code>.git/index</code> | C ?? ?? ?? ?? ?? |
| <code>.git/HEAD</code> | ?? ?? ?? ?? |

```
“revert” ?? ?? ?? ?? ?? , “?? ??” ?? ?? ?? .
```

6.3 ?? ??

```
A---B---C ← HEAD
```

```
▶ git revert C
```

```
??:
```

```
A---B---C---C' ← HEAD (C' ????)
```

7. ?? ?? ?? (2?)

| ?? ?? | ?? ?? | ?? |
|------------------------------------|---------------------------------|---------------------------------|
| <code>.git/CHERRY_PICK_HEAD</code> | <code>git cherry-pick</code> | ?? ?? ?? ?? ?? (?? ? ??) |
| <code>.git/REVERT_HEAD</code> | <code>git revert</code> (?? ?) | <code>revert</code> ?? ?? ?? ?? |
| <code>.git/refs/stash</code> | <code>git stash</code> | ?? ?? <code>stash</code> ?? |
| <code>.git/logs/refs/stash</code> | <code>git stash</code> | <code>stash</code> ?? ?? ?? |

8. ?? ??? (2?)

| 操作 | 命令 | 分支 | HEAD | 分支名 | 分支类型 |
|-------------|---------|----|------|------------------|------|
| stash | O (分支) | 分支 | 分支 | refs/stash | 分支 |
| cherry-pick | O | 分支 | O | CHERRY_PICK_HEAD | 分支 |
| revert | O | 分支 | O | REVERT_HEAD | 分支 |

Revision #1

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