

# **GIT**BRANCHES

*Miha Rekar*



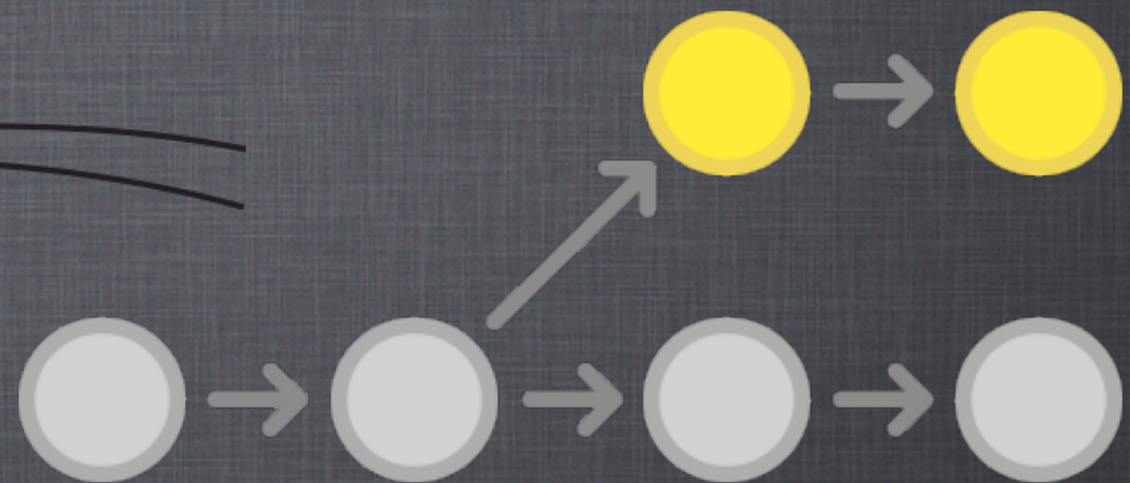
# **GIT**BRANCHES





# GIT BRANCHES

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# PROBLEM

- ONLY USING MASTER BRANCH
- CONFLICTS ON MASTER BRANCH
- DEVELOPING ONLY ONE TASK AT A TIME

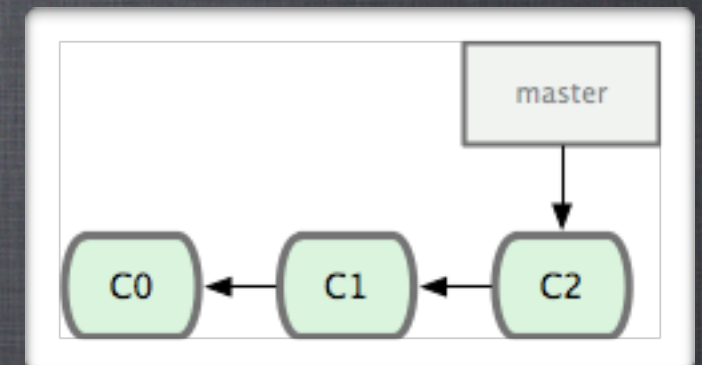




# EXAMPLE

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## 1. DO WORK ON A WEB SITE

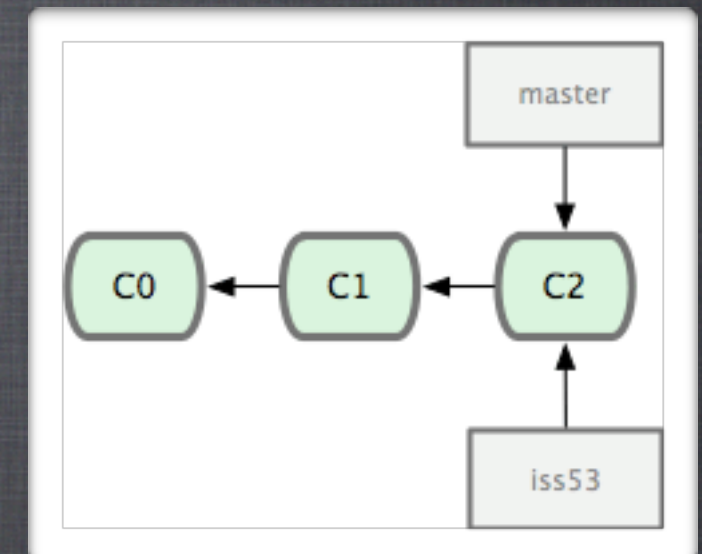




# EXAMPLE

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1. DO WORK ON A WEB SITE
2. CREATE A BRANCH FOR A NEW FEATURE YOU'RE WORKING ON

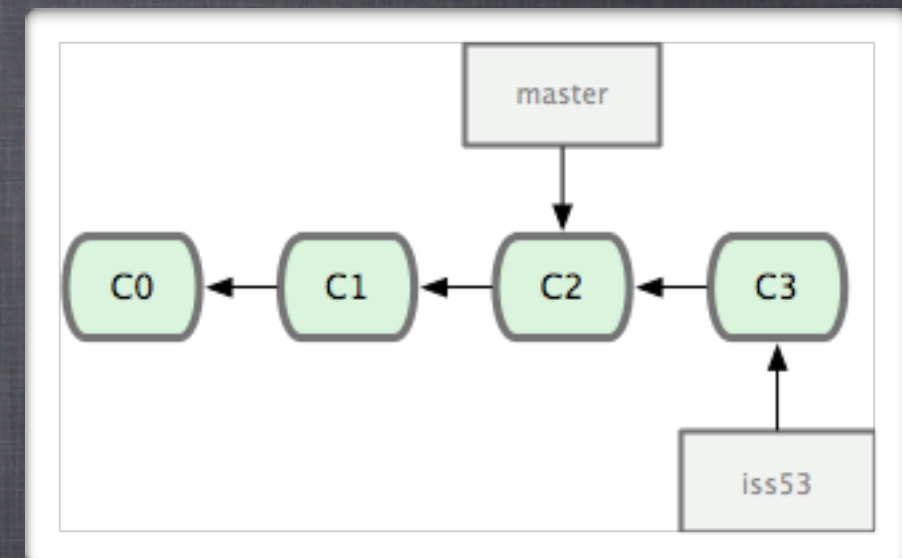




# EXAMPLE

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1. DO WORK ON A WEB SITE
2. CREATE A BRANCH FOR A NEW FEATURE YOU'RE WORKING ON
3. DO SOME WORK IN THAT BRANCH



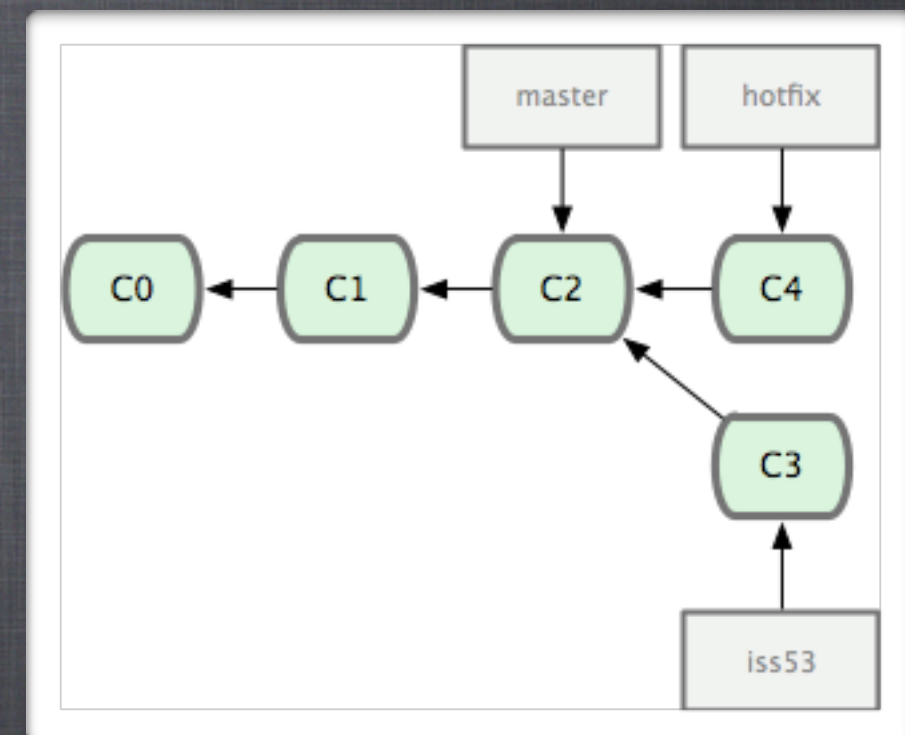


# EXAMPLE

1. DO WORK ON A WEB SITE
2. CREATE A BRANCH FOR A NEW FEATURE YOU'RE WORKING ON
3. DO SOME WORK IN THAT BRANCH

## CRITICAL ISSUE

4. REVERT BACK TO YOUR PRODUCTION BRANCH
5. CREATE A BRANCH TO ADD THE HOTFIX
6. AFTER IT'S TESTED, MERGE THE HOTFIX BRANCH, AND PUSH TO PRODUCTION
7. SWITCH BACK TO YOUR ORIGINAL FEATURE AND CONTINUE WORKING





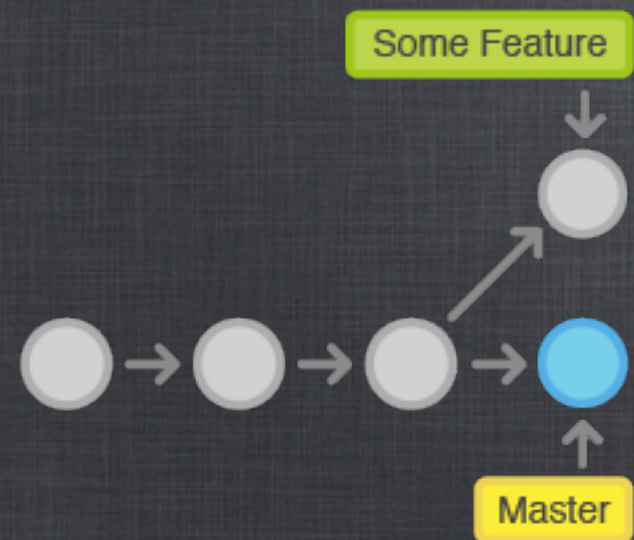
# BASIC BRANCHING



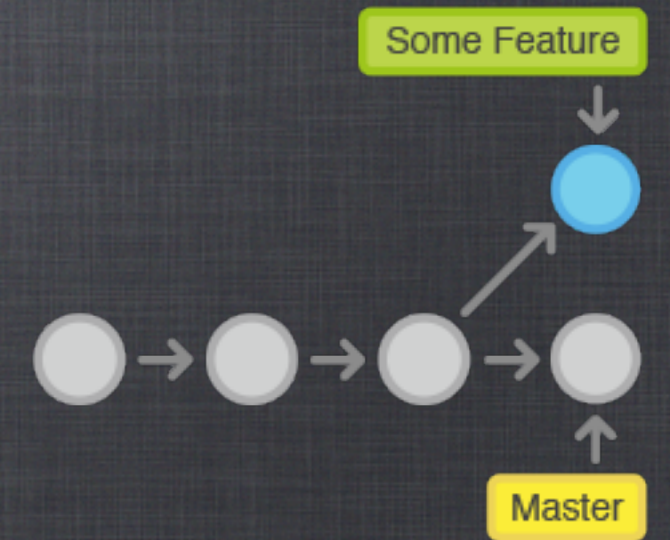
`git branch crazy-experiment`



`git branch -d crazy-experiment`



`git checkout <existing-branch>`  
`git checkout -b <new-branch>`





# BASIC WORKFLOW

```
git branch new-feature
```

```
git checkout new-feature
```

```
# Edit some files
```

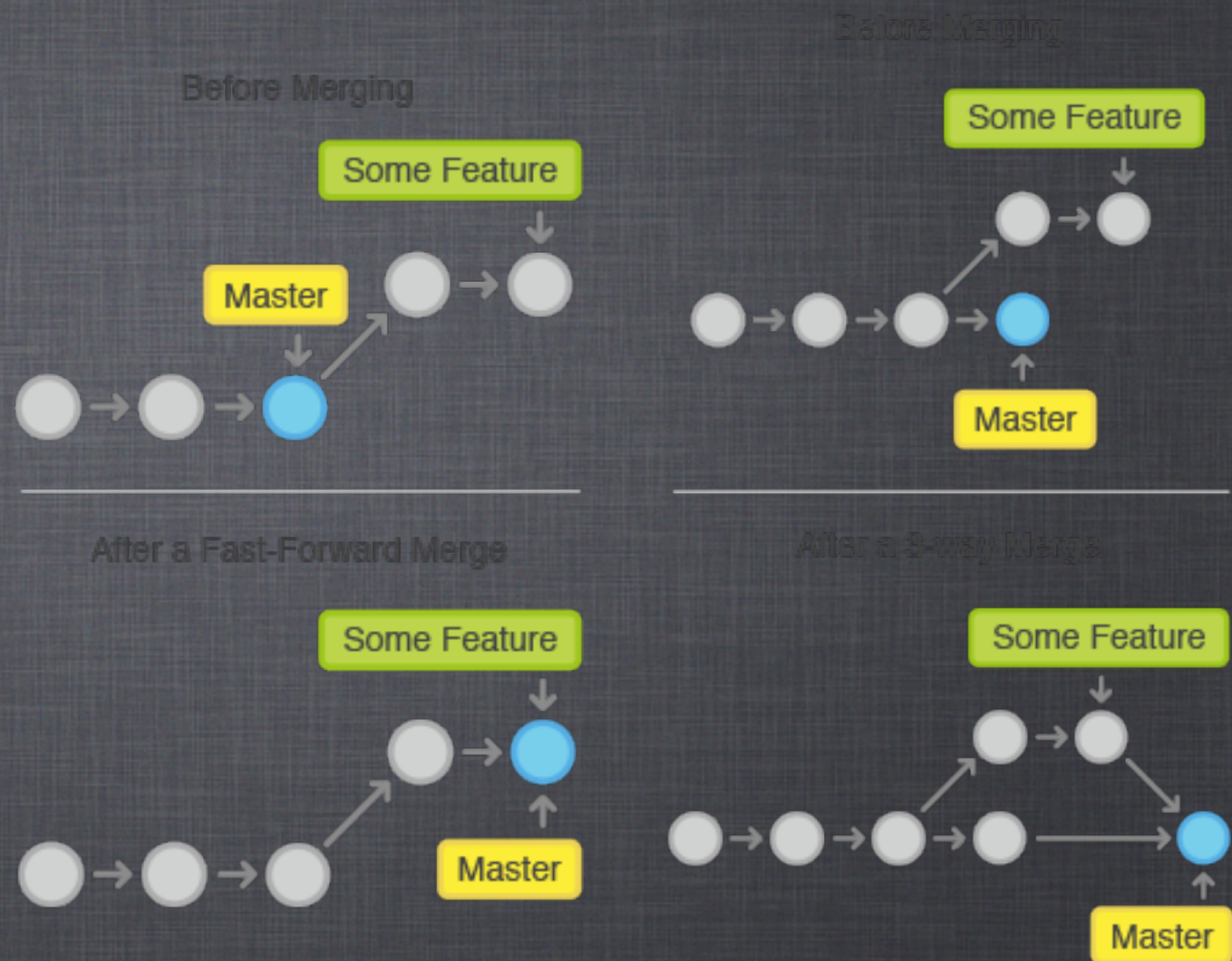
```
git add <file>
```

```
git commit -m "Started work on a  
new feature"
```

```
# Repeat
```

```
git checkout master
```

```
git merge <branch>
```





# GITHUBFLOW

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- THE PROJECT MAINTAINER INITIALIZES THE OFFICIAL REPOSITORY





# GITHUBFLOW

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- THE PROJECT MAINTAINER INITIALIZES THE OFFICIAL REPOSITORY
- DEVELOPERS FORK THE OFFICIAL REPOSITORY

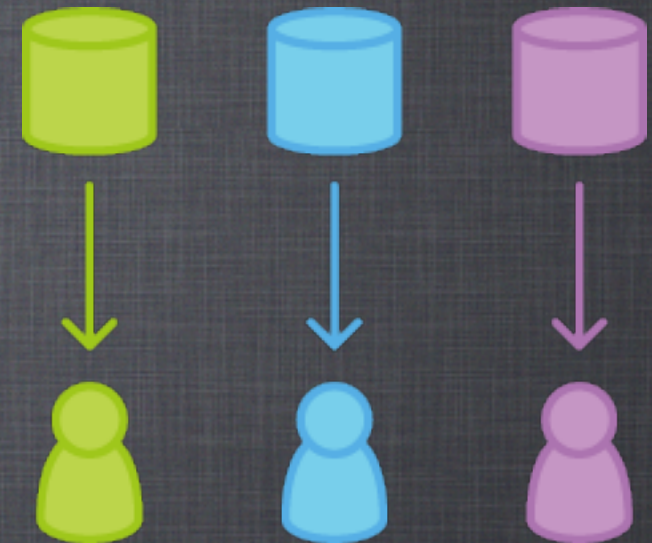




# GITHUBFLOW

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- THE PROJECT MAINTAINER INITIALIZES THE OFFICIAL REPOSITORY
- DEVELOPERS FORK THE OFFICIAL REPOSITORY
- DEVELOPERS CLONE THEIR FORKED REPOSITORIES





# GITHUBFLOW

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- THE PROJECT MAINTAINER INITIALIZES THE OFFICIAL REPOSITORY
- DEVELOPERS FORK THE OFFICIAL REPOSITORY
- DEVELOPERS CLONE THEIR FORKED REPOSITORIES
- DEVELOPERS WORK ON THEIR FEATURES

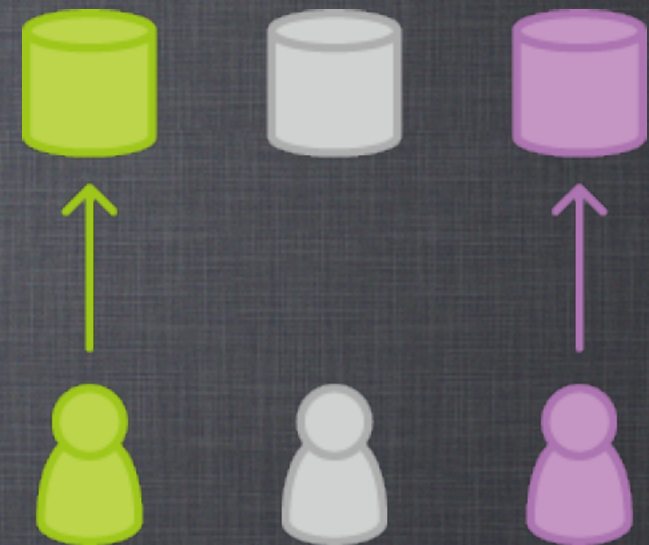




# GITHUBFLOW

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- THE PROJECT MAINTAINER INITIALIZES THE OFFICIAL REPOSITORY
- DEVELOPERS FORK THE OFFICIAL REPOSITORY
- DEVELOPERS CLONE THEIR FORKED REPOSITORIES
- DEVELOPERS WORK ON THEIR FEATURES
- DEVELOPERS PUBLISH THEIR FEATURES

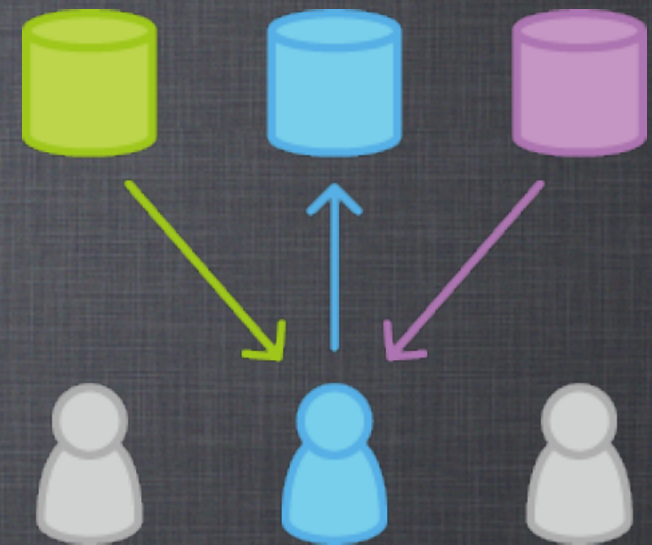




# GITHUBFLOW

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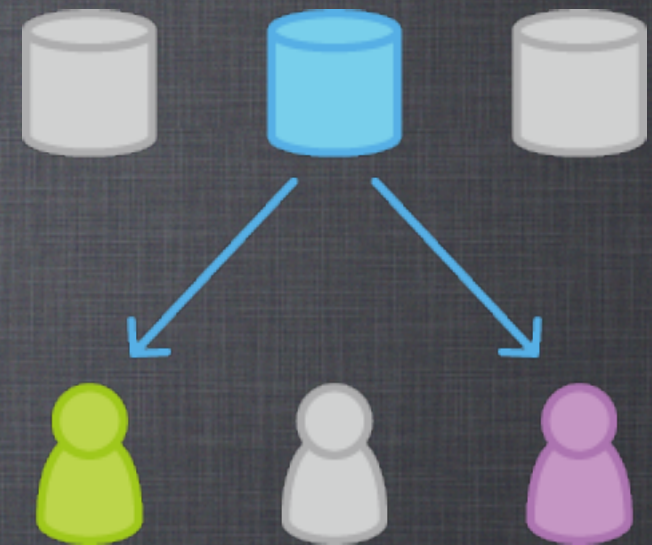
- THE PROJECT MAINTAINER INITIALIZES THE OFFICIAL REPOSITORY
- DEVELOPERS FORK THE OFFICIAL REPOSITORY
- DEVELOPERS CLONE THEIR FORKED REPOSITORIES
- DEVELOPERS WORK ON THEIR FEATURES
- DEVELOPERS PUBLISH THEIR FEATURES
- THE PROJECT MAINTAINER INTEGRATES THEIR FEATURES





# GITHUBFLOW

- THE PROJECT MAINTAINER INITIALIZES THE OFFICIAL REPOSITORY
- DEVELOPERS FORK THE OFFICIAL REPOSITORY
- DEVELOPERS CLONE THEIR FORKED REPOSITORIES
- DEVELOPERS WORK ON THEIR FEATURES
- DEVELOPERS PUBLISH THEIR FEATURES
- THE PROJECT MAINTAINER INTEGRATES THEIR FEATURES
- DEVELOPERS SYNCHRONIZE WITH THE OFFICIAL REPOSITORY





# SHIP IT



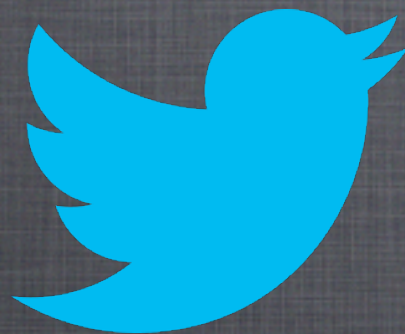


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# HVALA



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