

## z2-Environment - Improvement #2051

### Support single branch cloning in GitCR

09.12.2019 12:48 - Henning Blohm

<b>Status:</b>	Resolved	<b>Start date:</b>	09.12.2019
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Henning Blohm	<b>% Done:</b>	0%
<b>Category:</b>	z2-core	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	TBD		
<b>origin:</b>			

#### Description

### Acceptance Criteria

- Only the needed branch should be cloned
- Preferably only a shallow clone should be created
- Alternatively, we could switch to per-component checkout from the repo.

### Implementation Hint

- See [https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=466858](https://bugs.eclipse.org/bugs/show_bug.cgi?id=466858) for a starting point

For example, the following code should (but seemingly does not yet) only clone a single branch:

```
package com.zfabrik.gitcr.test;

import java.io.File;
import java.util.Arrays;

import org.eclipse.jgit.api.Git;
import org.eclipse.jgit.api.ListBranchCommand.ListMode;
import org.eclipse.jgit.lib.ProgressMonitor;
import org.eclipse.jgit.lib.Ref;
import org.eclipse.jgit.transport.UsernamePasswordCredentialsProvider;

public class TestCheckout {

    /**
     * https://bugs.eclipse.org/bugs/show\_bug.cgi?id=466858
     */
    public static void main(String[] args) throws Exception {
        Git r = Git.cloneRepository()
            .setCredentialsProvider(new UsernamePasswordCredentialsProvider("../", "../"))
            .setDirectory(new File("somewhere"))
            .setURI("https://somehost/repo")
            .setCloneAllBranches(false)
            .setBranchesToClone(Arrays.asList("refs/heads/master"))
            .call();
    }
}
```

#### History

#1 - 18.12.2019 21:38 - Henning Blohm

- Description updated

#2 - 29.12.2019 13:38 - Henning Blohm

- Status changed from New to In Progress

**#3 - 31.12.2019 10:04 - Henning Blohm**

- *Target version changed from 2.8 to 2.9*

This is currently not supported by JGit on the client. Implementing it independently is too much work. Instead, we might support a simpler SSH-based generic repo.

**#4 - 31.12.2019 10:05 - Henning Blohm**

- *Target version changed from 2.9 to TBD*

**#5 - 01.01.2020 23:00 - Henning Blohm**

- *Status changed from In Progress to Resolved*