z2-Environment - Improvement #2051

Support single branch cloning in GitCR

09.12.2019 12:48 - Henning Blohm

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

Description

Acceptance Criteria

- Only the needed branch should be cloned
- Preferrably 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 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