This was originally miscategorized as Feature #2799.
This is a common use case as it prevents the standard trunk/branch/tag development structure.

A shared repository created with `bzr init-repo` errors when running ruby script/runner "Repository.fetch_changesets" -e production I get these messages back:
```
bzr: ERROR: Not a branch: "[...]/project_container/.bzr/branch/".
bzr: ERROR: Not a branch: "[...]/project_container/.bzr/branch/".
```

If we point at a sub-tree, there's still no support for branches.

There are 2 ways to identify the shared repository:
- `bzr info` will list 'shared repository: '
- `.bzr/repository` exists.

If the path points to a shared repo, some file tree should be built.
Branches can be identified by a similar combination of techniques:
- `bzr info` will list the root repository as 'shared repository'
- `.bzr/branch` exists.

Sub branches:
- `bzr info` will list the root repository as 'shared repository' and the parent branch as 'parent branch'

As an example, let's examine the following repo:
```
[...]
```

In summary, if the path is a repo, scan the directory tree for directories containing `.bzr/branch` and run `bzr info` on those directories.
Use that output to find out which branch is the parent and use that information to build the element tree.

I don't know how to do this in ruby, but hopefully someone can take this analysis and put something together.

### Related issues:
- Related to Redmine - Feature # 2799: Support for Bazaar's shared repositories... New 2009-02-21
- Related to Redmine - Defect # 7984: Confusing revisions links on repository root New 2011-03-24
- Related to Redmine - Patch # 9129: Improve wording of Git repository note at ... Closed 2011-08-26

### Associated revisions

**Revision 5890 - 2011-05-25 09:46 - Toshi MARUYAMA**

scm: bazaar: add adapter method to get `.bzr/branch/branch.conf` path from specified path (#2799, #4741, #8030).

**Revision 5891 - 2011-05-25 09:46 - Toshi MARUYAMA**
scm: bazaar: add unit adapter test to get .bzr/branch/branch.conf path from specified path (#2799, #4741, #8030).

Revision 5892 - 2011-05-25 10:05 - Toshi MARUYAMA

scm: bazaar: add adapter method to get "append_revisions_only" value from .bzr/branch/branch.conf (#2799, #4741, #8030).

Revision 5893 - 2011-05-25 10:06 - Toshi MARUYAMA

scm: bazaar: add unit adapter test to get "append_revisions_only" value from test repository .bzr/branch/branch.conf (#2799, #4741, #8030).

Revision 5894 - 2011-05-25 10:51 - Toshi MARUYAMA

scm: bazaar: use explicit return value in adapter branch_conf_path() (#2799, #4741, #8030).

Revision 5895 - 2011-05-25 10:51 - Toshi MARUYAMA

scm: bazaar: check not nil in adapter append_revisions_only() (#2799, #4741, #8030).

Revision 5899 - 2011-05-25 13:33 - Toshi MARUYAMA

scm: add exception of fetching revisions error in repository model (#5357, #2799, #4741, #8030).

Revision 5932 - 2011-05-27 03:14 - Toshi MARUYAMA

scm: bazaar: update test repository (#2799, #4741, #8030).

- Shared repository with trees (format: 2a)
- clone original branch to trunk
- set append_revisions_only = true at trunk/.bzr/branch/branch.conf

Revision 5935 - 2011-05-27 04:51 - Toshi MARUYAMA

scm: bazaar: add unit adapter test that shared repository "append_revisions_only" is false (#2799, #4741, #8030).

adapter append_revisions_only() checks whether .bzr/branch/branch.conf exists.

Revision 5936 - 2011-05-27 04:52 - Toshi MARUYAMA

scm: bazaar: rename unit adapter test "test_append_revisions_only" to "test_append_revisions_only_true" (#2799, #4741, #8030).

Revision 5937 - 2011-05-27 04:52 - Toshi MARUYAMA

scm: bazaar: add unit adapter test that append_revisions_only is false in test shared repository branch (#2799, #4741, #8030).
#4 - 2011-06-21 16:48 - André Bachmann

Is there a way how I can get your changes into my Redmine 1.2.0? Or can I simply copy bazaar_adapter.rb and abstract_adapter.rb from redmine/trunk to my Redmine 1.2.0?

#5 - 2011-08-26 04:17 - Toshi MARUYAMA
- Subject changed from Bazaar repositories error to Improve Bazaar repositories error in case to use shared repository

#6 - 2011-08-26 04:17 - Toshi MARUYAMA
- Subject changed from Improve Bazaar repositories error in case to use shared repository to Improve Bazaar repositories error message in case to use shared repository

#7 - 2011-08-26 04:18 - Toshi MARUYAMA
- Tracker changed from Defect to Feature

#8 - 2011-11-21 05:57 - Toshi MARUYAMA
- Target version changed from 1.3.0 to Candidate for next major release