

## Redmine - Defect #42024

### RepositoryBazaarTest fails

2024-12-20 03:25 - Katsuya HIDAHA

<b>Status:</b>	New	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Code cleanup/refactoring	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Affected version:</b>	
<b>Resolution:</b>			
<b>Description</b>			
<p>The CI started failing in bin/rails test test/unit/repository_bazaar_test.rb after <a href="#">r23408</a>. <a href="https://github.com/redmine/redmine/actions/runs/12404268715/job/34629160922">https://github.com/redmine/redmine/actions/runs/12404268715/job/34629160922</a></p> <pre>Run bin/rails test test/unit/repository_bazaar_test.rb  Run options: --seed 27734  # Running:  E  Error: RepositoryBazaarTest#test_annotate_latin1_path: NoMethodError: undefined method `lines' for nil:NilClass        assert_equal 2, ann1.lines.size       ^^^^^^^ test/unit/repository_bazaar_test.rb:194:in `test_annotate_latin1_path'  bin/rails test test/unit/repository_bazaar_test.rb:188  E  Error: RepositoryBazaarTest#test_entry_latin1_path: NoMethodError: undefined method `path' for nil:NilClass        entry.path       ^^^^^ test/unit/repository_bazaar_test.rb:242:in `block in test_entry_latin1_path' test/unit/repository_bazaar_test.rb:239:in `each' test/unit/repository_bazaar_test.rb:239:in `test_entry_latin1_path'  bin/rails test test/unit/repository_bazaar_test.rb:229  (snip)</pre> <p>However, rerunning the CI on <a href="#">r23407</a>, the commit immediately before <a href="#">r23408</a>, resulted in the same failure, suggesting that <a href="#">r23408</a> is not the cause of the issue.</p>			

#### Associated revisions

##### Revision 23421 - 2024-12-29 06:33 - Go MAEDA

Temporarily skip Latin1 output tests for RepositoryBazaarTest on Ubuntu 24.04 (#42024).

This commit addresses test failures in the "Latin1 output tests" for RepositoryBazaarTest observed when running tests on Ubuntu 24.04. The affected tests are skipped on this specific OS version. This is a temporary workaround until the root cause is resolved.

Contributed by Katsuya HIDAHA (user:hidakatsuya).

## History

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### #1 - 2024-12-20 06:51 - Katsuya HIDAKA

The failing test is located in the `.github/workflows/tests.yml` at the following section:

<https://github.com/redmine/redmine/blob/145db007425dd8b1911f63480fb96985ecca09be/.github/workflows/tests.yml#L103-L108>

```
- name: Run bazaar non ascii test
  env:
    LANG: en_US.ISO8859-1
    LC_ALL: en_US.ISO8859-1
  run: |
    bin/rails test test/unit/repository_bazaar_test.rb
```

### #2 - 2024-12-20 06:55 - Mizuki ISHIKAWA

It seems that the bzd command execution is failing for the path `tmp/test/bazaar_repository/non_ascii/test-Ü-dir/test-Ü-2.txt` when running tests ( ex: [https://github.com/redmine/redmine/blob/master/test/unit/repository\\_bazaar\\_test.rb#L192](https://github.com/redmine/redmine/blob/master/test/unit/repository_bazaar_test.rb#L192) ).

I suspect this might be caused by the recent version upgrade of bzd.

### #3 - 2024-12-25 01:43 - Katsuya HIDAKA

It seems that the test failures began occurring when the GitHub Actions jobs started running on Ubuntu 24.04. The failing jobs are executed on Ubuntu 24.04.

<https://github.com/redmine/redmine/actions/runs/12404268715>

### #4 - 2024-12-25 14:27 - Katsuya HIDAKA

- *File 0001-Skip-failing-Bazaar-tests-on-Ubuntu-24.04.patch added*

Resolving this issue seems to take some time.

Since the CI is consistently failing, it is difficult to identify other potential test failures. For now, I propose skipping the failing test to stabilize the CI while continuing to investigate and resolve the root cause. I have attached a patch to skip the test.

After applying the attached patch, I confirmed that the CI passes successfully.

<https://github.com/hidakatsuya/redmine/actions/runs/12493345052/job/34861667528>

### #5 - 2024-12-27 08:26 - Go MAEDA

- *Category set to Code cleanup/refactoring*

Thank you for your proposed fix.

The patch you submitted skips the affected tests in all cases. However, currently, the tests only fail on Ubuntu 24.04. Therefore, I believe it would be better to skip the tests only when running on Ubuntu 24.04. Probably we can determine whether the current platform is Ubuntu 24.04 or not by parsing `/etc/os-release`.

What do you think about this approach?

### #6 - 2024-12-27 09:32 - Go MAEDA

The following code is an updated version of the `skip_bzd_failure_on_ubuntu24` method. It skips the test only when the current system is Ubuntu 24.04. What are your thoughts on this approach?

```
def skip_bzd_failure_on_ubuntu24
  return unless File.exist?('/etc/os-release')

  os_release = File.read('/etc/os-release')
  name = os_release[/^NAME="(.*?)"/, 1]
  version = os_release[/^VERSION_ID="(.*?)"/, 1]

  if name == 'Ubuntu' && version == '24.04'
    skip 'bzd command fails on Ubuntu 24.04, causing this test to fail'
  end
end
```

### #7 - 2024-12-28 01:52 - Katsuya HIDAKA

Thank you for the review.

I agree with your suggestion to skip the test only on Ubuntu 24. I've confirmed that the test passes with your patch:

<https://github.com/hidakatsuya/redmine/actions/runs/12521568355>

#8 - 2024-12-29 06:34 - Go MAEDA

Committed the patch to skip affected tests in [r23421](#) as a temporary workaround. Thank you.

**Files**

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0001-Skip-failing-Bazaar-tests-on-Ubuntu-24.04.patch	2.39 KB	2024-12-25	Katsuya HIDAHA
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