

Automated Build Generator - Bug #1880

Behavior of @{...|[]} seems wrong

05/12/2014 05:44 PM - J. Moringen

| | | | |
|------------------------|----------------------|------------------------|------------|
| Status: | Closed | Start date: | 05/12/2014 |
| Priority: | Normal | Due date: | |
| Assignee: | J. Moringen | % Done: | 0% |
| Category: | Description Language | Estimated time: | 0.00 hour |
| Target version: | 0.4 | | |

Description

Check with this recipe by removing the patches: [] line:

```
{
  "name": "xqilla",
  "templates": [ "cor-lab", "autotools" ],

  "catalogue.component.title": "xqilla",
  "catalogue.component.nid": "0",

  "variables": {
    "description": "XQilla: XPath + XQuery library",
    "keywords": [ "xml", "xquery", "xpath" ],

    "branches": [ "trunk", "2.3.0", "2.2.0" ],
    "upstream-version": "2.3.0",
    "xerces.version": [ "trunk" ],
    "patches": [],

    "configure.args": "--with-xerces=\"${toolkit.dir}\"",

    "shell.command": "
wget http://downloads.sourceforge.net/project/xqilla/xqilla/${upstream-version}/XQilla-${upstream-version}.tar.gz
tar xzvf XQilla-${upstream-version}.tar.gz

@{shell.command.patch|[]}

cd XQilla-${upstream-version}

${next-value}
",

    "shell.command.patch": "patch -l -p0 < ${patches|[]}",

    "redmine.instance": "https://projects.cit-ec.uni-bielefeld.de",
    "redmine-project": "xcf",

    "extra-requires": [
      [ "freestyle", "xercesc", "${xerces.version}" ]
    ],

    "extra-provides": [
      [ "freestyle", "xqilla", "${upstream-version}" ]
    ]
  }
}
```

```

    ]
  },
  "versions": [
    {
      "name": "2.2.0",
      "variables": {
        "upstream-version": "${version-name}",
        "xerces.version": [ "2.8.0" ],
        "patches": ["~rhaschke/src/GAR/contrib/xqilla/files/gar-base.diff"]
      }
    }
  ]
}

```

History

#1 - 10/09/2014 03:35 PM - J. Moringen

- Target version changed from 0.3 to 0.4

#2 - 02/03/2015 06:50 PM - J. Moringen

- Status changed from New to Closed

The problem is `${patches[]}` which defaults to the string `[""]` instead of an empty list. Using `${patches}` instead, fixes the problem.

#3 - 02/03/2015 09:35 PM - R. Haschke

Wouldn't `${patches}` expand to the empty string, and thus `shell.command.patch` to `"patch -l -p0 < "`, which would be wrong too?

#4 - 02/04/2015 12:15 PM - J. Moringen

R. Haschke wrote:

Wouldn't `${patches}` expand to the empty string, and thus `shell.command.patch` to `"patch -l -p0 < "`, which would be wrong too?

No, the empty string is handled specially in this context. I tested the suggested modifications for the "2.3.0" and "2.2.0" versions of the project.

#5 - 02/04/2015 12:27 PM - R. Haschke

OK. How can you then use something like

"value of variable is: `${myvar}`"

In this case, `${myvar}` should expand to the empty string if not defined, thus leaving "value of variable is: " as the final output. How do you specify the difference between empty set and empty string?

#6 - 02/04/2015 12:42 PM - J. Moringen

I'm inclined to say "just try what happens and extend the README file, if you have the time and motivation" as this is the legacy version of the build-generator and very little effort went into the variable substitution code in that version. Discussing and documenting this code extensively seems like wasted effort as it has been/will be redesigned and rewritten no matter how the upcoming roadmap discussion goes.