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openresty / array-var-nginx-module

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Add support for array variables to nginx config files

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suppressed a valgrind false positive in libdl.

 **agentzh** authored on Apr 6, 2014
 latest commit **8047036e24**

 src	fixed compiler warnings when DDEBUG is enabled. we also fixed another...	a year ago
 t	we no longer bundle Test::Nginx with us.	4 years ago
 util	confirmed that we work with nginx 1.0.5.	4 years ago
 .gitignore	updated .gitignore to reflect recent changes.	a year ago
 README	updated docs to reflect recent changes.	a year ago
 config	now we check the ngx_devel_kit dependency at config time and provide ...	4 years ago
 valgrind.suppress	suppressed a valgrind false positive in libdl.	11 months ago

📖 README

Name

array-var-nginx-module - Add support for array variables to nginx config files

**This module is not distributed with the Nginx source.* See the installation instructions.*

Code

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Status

This module is still under development, just as Marcus Clyne's NDK.

Synopsis

```
location /foo {
    array_split ',' $arg_files to=$array;

    # use the set_quote_sql_str directive in the ngx_set_misc
    # module to map to each element in the array $array:
    array_map_op set_quote_sql_str $array;

    array_map "name = $array_it" $array;

    array_join ' or ' $array to=$sql_condition;

    echo "select * from files where $sql_condition";
}
```

Description

Directives

array_split

array_map

array_map_op

array_join

Installation

If you are using the ngx_openresty bundle, then this module is bundled and enabled by default.

If you prefer installing this module with your own Nginx source code tarball, then follow the following steps:

1. Grab the nginx source code from nginx.net (<<http://nginx.net/>>), for example, the version 1.4.2 (see nginx compatibility),
2. Grab the NDK module from GitHub:

http://github.com/simpl/nginx_devel_kit

3. and then build the source with this module:

```
wget 'http://sysoev.ru/nginx/nginx-1.4.2.tar.gz'
tar -xzvf nginx-1.4.2.tar.gz
cd nginx-1.4.2/

# Here we assume you would install you nginx under /opt/nginx/.
./configure --prefix=/opt/nginx \
  --add-module=/path/to/nginx_devel_kit \
  --add-module=/path/to/array-var-nginx-module

make -j2
make install
```

Download the latest version of the release tarball of this module from array-var-nginx-module file list (<http://github.com/agentzh/array-var-nginx-module/tags>).

Compatibility

The following versions of Nginx should work with this module:

- * 1.4.x (last tested: 1.4.2)
- * 1.2.x (last tested: 1.2.9)
- * 1.1.x (last tested: 1.1.5)
- * 1.0.x (last tested: 1.0.8)
- * 0.9.x (last tested: 0.9.4)
- * 0.8.x (last tested: 0.8.54)
- * 0.7.x >= 0.7.44 (last tested: 0.7.68)

Earlier versions of Nginx like 0.6.x and 0.5.x will *not* work.

If you find that any particular version of Nginx above 0.7.44 does not work with this module, please consider reporting a bug.

Report Bugs

Although a lot of effort has been put into testing and code tuning, there must be some serious bugs lurking somewhere in this module. So whenever you are bitten by any quirks, please don't hesitate to

1. send a bug report or even patches to <agentzh@gmail.com>,
2. or create a ticket on the issue tracking interface (<<http://github.com/agentzh/array-var-nginx-module/issues>>) provided by GitHub.

Source Repository

Available on github at agentzh/array-var-nginx-module (<<http://github.com/agentzh/array-var-nginx-module>>).

ChangeLog

Test Suite

This module comes with a Perl-driven test suite. The test cases (<<http://github.com/agentzh/array-var-nginx-module/tree/master/test/t/>>) are declarative (<<http://github.com/agentzh/array-var-nginx-module/blob/master/test/t/sanity.t>>) too. Thanks to the Test::Base (<<http://search.cpan.org/perldoc?Test::Base>>) module in the Perl world.

To run it on your side:

```
$ cd test
$ PATH=/path/to/your/nginx-with-array-var-module:$PATH prove -r t
```

You need to terminate any Nginx processes before running the test suite if you have changed the Nginx server binary.

At the moment, LWP::UserAgent (<<http://search.cpan.org/perldoc?LWP::UserAgent>>) is used by the test scaffold (<<http://github.com/agentzh/array-var-nginx-module/blob/master/test/lib/Test/Nginx/LWP.pm>>) for simplicity.

Because a single nginx server (by default, "localhost:1984") is used across all the test scripts (".t" files), it's meaningless to run the test suite in parallel by specifying "-jN" when invoking the "prove"

utility.

Some parts of the test suite requires modules rewrite, and echo to be enabled as well when building Nginx.

TODO

Getting involved

You'll be very welcomed to submit patches to the author or just ask for a commit bit to the source repository on GitHub.

Author

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See Also

NDK: http://github.com/simpl/nginx_devel_kit

