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YAML Ain't Markup Language

[Summary](#)[Files](#)[Reviews](#)[Support](#)[Develop](#)[Tracker](#)[Mailing Lists](#)[Forums](#)[Code](#)**Email Archive: [yaml-core](#) (read-only)****[Yaml-core] Syck. Not libyaml, but close!**From: why the lucky stiff <yaml-core@wh...> - 2003-03-05 17:37

I'd like to formally announce to the list my work on Syck.

Syck is a YAML parser written in C with the sole purpose of importing symbol tables into a scripting language's symbol table. I had the idea while I was ill and started work on it about a week ago late one night. Syck is the Speedy YAML Cobble-Yourself-Together-a-Parser Kit.

The parser simply builds SyckNodes. The parser passes these nodes to a handler function, designated in the wrapper code. The handler returns a SYMID (an unsigned long), which references an entry in the language's symbol table.

In Ruby, the SYMID is identical to the VALUE id used internally. In Python and PHP (which I have extensions for), Syck uses a temporary symbol table which links SYMIDs to PyObject pointers or PHP's zval pointers. I imagine Perl would have SV pointers.

I didn't want to announce this until I was sort of far along. Well, in the

last week I've been able to implement inlines, anchors, aliases, and transfer methods. I haven't yet started parsing indentation. I have working extensions in PHP, Perl and Ruby. I am to a point where the proof-of-concept has been proven and I can finish fleshing it out and release a stable version soon.

This work is not meant to compete with libyaml. Libyaml is just too big of a project for me to dig my claws into. I've tried looking at the code, but it's currently in an unbuildable state and I'm not sure where Neil left off.

Plus, the idea behind Syck is to keep it all small footprint. As SyckNodes are handled by the scripting language, the nodes are freed. The strings and pointers that comprised the node become housed by the scripting language.

```
-vv
It's bloody fast, I'm telling you.

At any rate, it's all checked into Sourceforge CVS.  See `yaml4r' project=
,=20
`syck' module.  If you want to give it a whirl here's some basic INSTALL:

cvs co syck
cd syck
sh bootstrap
./configure
make
make check
sudo make install

You don't need to have syck installed to install the Ruby module, but it =
does=20
have to be `make'd.  Since the syck Ruby module uses Ruby's own symbol ta=
ble=20
directly, the `extconf.rb' script copies only the pertinent source files =
and=20
build the module from that:
```

```
cd syck/ext/ruby
ruby extconf.rb
make
sudo make install
```

Python requires libsyck installed:

```
cd syck/ext/python
python setup.py build
sudo python setup.py install
```

PHP requires libsyck installed:

```
(requires commandline PHP installed)
cd syck/ext/php
sh make_module.sh
sudo make install
```

Each of these extensions only has the `load' method. You can find exampl=
es on=20
my weblog.

_why

Thread View

Thread	Author	Date
[Yaml-core] Syck. Not libyaml, but close!	why the lucky stiff <yaml-core@wh...>	

Re: [Yaml-core] Syck. Not libyaml, but close!

From: Brian Ingerson <ingy@tt...> - 2003-03-10 18:44

Why,

This looks pretty awesome. I'm in the middle of rewriting YAML.pm into a multi-layered implementation, that could make use of a C library easily.

```

I'm gonna look at your API.

Cheers, Brian

On 05/03/03 10:48 -0700, why the lucky stiff wrote:
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>
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>
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>   cd syck
>   sh bootstrap
>   ./configure
>   make
>   make check
>   sudo make install
>
> You don't need to have syck installed to install the Ruby module, but it does
> have to be `make'd. Since the syck Ruby module uses Ruby's own symbol table
> directly, the `extconf.rb' script copies only the pertinent source files and
> build the module from that:
>
>   cd syck/ext/ruby
>   ruby extconf.rb
>   make
>   sudo make install
>
> Python requires libsyck installed:
>
>   cd syck/ext/python
>   python setup.py build
>   sudo python setup.py install
>
> PHP requires libsyck installed:
>
>   (requires commandline PHP installed)
>   cd syck/ext/php
>   sh make_module.sh
>   sudo make install
>
> Each of these extensions only has the `load' method. You can find examples on
> my weblog.
>
> _why
>
>
>
> -----

```

9/25/13

SourceForge.net: YAML Ain't Markup Language:

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