

**NAME**

B::Hooks::EndOfScope – Execute code after a scope finished compilation

**VERSION**

version 0.24

**SYNOPSIS**

```
on_scope_end { ... };
```

**DESCRIPTION**

This module allows you to execute code when perl finished compiling the surrounding scope.

**FUNCTIONS****on\_scope\_end**

```
on_scope_end { ... };
```

```
on_scope_end $code;
```

Registers `$code` to be executed after the surrounding scope has been compiled.

This is exported by default. See `Sub::Exporter` on how to customize it.

**LIMITATIONS****Pure-perl mode caveat**

This caveat applies to **any** version of perl where `Variable::Magic` is unavailable or otherwise disabled.

While `Variable::Magic` has access to some very dark sorcery to make it possible to throw an exception from within a callback, the pure-perl implementation does not have access to these hacks. Therefore, what would have been a **compile-time exception** is instead **converted to a warning**, and your execution will continue as if the exception never happened.

To explicitly request an XS (or PP) implementation one has two choices. Either to import from the desired implementation explicitly:

```
use B::Hooks::EndOfScope::XS
or
use B::Hooks::EndOfScope::PP
```

or by setting `$ENV{B_HOOKS_ENDOFScope_IMPLEMENTATION}` to either XS or PP.

**Perl 5.8.0 ~ 5.8.3**

Due to a core interpreter bug

[<https://rt.perl.org/Public/Bug/Display.html?id=27040#txn-82797>](https://rt.perl.org/Public/Bug/Display.html?id=27040#txn-82797) present in older perl versions, the implementation of `B::Hooks::EndOfScope` deliberately leaks a single empty hash for every scope being cleaned. This is done to avoid the memory corruption associated with the bug mentioned above.

In order to stabilize this workaround use of `Variable::Magic` is disabled on perls prior to version 5.8.4. On such systems loading/requesting `B::Hooks::EndOfScope::XS` explicitly will result in a compile-time exception.

**Perl versions 5.6.x**

Versions of perl before 5.8.0 lack a feature allowing changing the visibility of `%^H` via setting bit 17 within `%^H`. As such the only way to achieve the effect necessary for this module to work, is to use the `local` operator explicitly on these platforms. This might lead to unexpected interference with other scope-driven libraries relying on the same mechanism. On the flip side there are no such known incompatibilities at the time this note was written.

For further details on the unavailable behavior please refer to the test file `t/02-localise.t` included with the distribution.

**SEE ALSO**

`Sub::Exporter`

`Variable::Magic`

**SUPPORT**

Bugs may be submitted through the RT bug tracker <<https://rt.cpan.org/Public/Dist/Display.html?Name=B-Hooks-EndOfScope>> (or [bug-B-Hooks-EndOfScope@rt.cpan.org](mailto:bug-B-Hooks-EndOfScope@rt.cpan.org) <<mailto:bug-B-Hooks-EndOfScope@rt.cpan.org>>).

**AUTHORS**

- Florian Ragwitz <[rafl@debian.org](mailto:rafl@debian.org)>
- Peter Rabbitson <[ribasushi@leporine.io](mailto:ribasushi@leporine.io)>

**CONTRIBUTORS**

- Karen Etheridge <[ether@cpan.org](mailto:ether@cpan.org)>
- Tatsuhiko Miyagawa <[miyagawa@bulknews.net](mailto:miyagawa@bulknews.net)>
- Christian Walde <[walde.christian@googlemail.com](mailto:walde.christian@googlemail.com)>
- Tomas Doran <[bobtfish@bobtfish.net](mailto:bobtfish@bobtfish.net)>
- Graham Knop <[haarg@haarg.org](mailto:haarg@haarg.org)>
- Simon Wilper <[sxw@chronowerks.de](mailto:sxw@chronowerks.de)>

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