



---

*AHELP for CIAO 3.4*

## `___is_initialized`

Context: [slangrtl](#)*Jump to:* [Description](#) [Example](#) [See Also](#)

---

## Synopsis

Determine whether or not a variable has a value

## Syntax

```
Integer_Type ___is_initialized (Ref_Type r)
```

## Description

This function returns non-zero if the object referenced by `r` is initialized, i.e., whether it has a value. It returns 0 if the referenced object has not been initialized.

## Example

For example, the function:

```
define zero ()
{
    variable f;
    return ___is_initialized (&f);
}
```

will always return zero, but

```
define one ()
{
    variable f = 0;
    return ___is_initialized (&f);
}
```

will return one.

It is easy to see why a reference to the variable must be passed to `___is_initialized` and not the variable itself; otherwise, the value of the variable would be passed and the variable may have no value if it was not initialized.

## See Also

*slangrtl*

`__class_id`, `__class_type`, `__eqs`, `__get_defined_symbols`, `__get_reference`, `__pop_args`, `__push_args`,  
`__uninitialize`, `__apropos`, `__function_name`, `__nargs`, `__typeof`, `__array_info`, `__dup`, `__eval`, `__evalfile`, `__getenv`,  
`__is_defined`, `__is_struct_type`, `__length`, `__make_printable_string`, `__typecast`, `__typeof`

---

The Chandra X-Ray Center (CXC) is operated for NASA by the  
Smithsonian Astrophysical Observatory.  
60 Garden Street, Cambridge, MA 02138 USA.  
Smithsonian Institution, Copyright © 1998–2006. All rights reserved.

URL:  
[http://cxc.harvard.edu/ciao3.4/\\_\\_\\_is\\_initialized.tm.html](http://cxc.harvard.edu/ciao3.4/___is_initialized.tm.html)  
Last modified: December 2006