

VciLogConsole

1) Functional Description

This VCI target is a simple log sink, receiving any written character and printing it to the external world.

It only has one mapped register accepting only writes.

A putc implementation could be:

```
static const volatile void* log_address = 0xc0000000;

static inline void putc(const size_t term_no, const char x)
{
    soclib_io_set( tty_address, 0, x );
}
```

2) Component definition & usage

[source:trunk/soclib/soclib/module/connectivity component/vci log console/caba/metadata/vci log console.sd?](#)

See [SoclibCc/VciParameters](#)

```
Uses( 'caba:vci_log_console', **vci_parameters )
```

3) CABA Implementation

CABA sources

- interface :
[source:trunk/soclib/soclib/module/connectivity component/vci log console/caba/source/include/vci log console.h?](#)
- implementation :
[source:trunk/soclib/soclib/module/connectivity component/vci log console/caba/source/src/vci log console.cpp?](#)

CABA Constructor parameters

```
VciLogConsole(
    sc_module_name name,    // Instance name
    const soclib::common::IntTab &index,    // Target index
    const soclib::common::MappingTable &mt)    // Mapping Table
```

Example instanciation:

```
VciLogConsole  tty("logger",
                  IntTab(2,3),
                  mapping_table );
```

CABA Ports

- `sc_in<bool> p_resetn` : Global system reset
- `sc_in<bool> p_clk` : Global system clock

- `soclib::common::VciTarget<vci_param> p_vci` : The VCI port