

# Standard usage

When using a VCI-AVALON component, you must explicitly define the three following Avalon parameters:

```
address_width
data_width
burstcount_width
```

So you may factor out these parameters putting them at the end of the list of the VCI parameters as shown in the following example of a *platform\_desc* file:

```
todo = Platform('caba', 'top.cpp',
                uses = [
                    Uses('iss_wrapper', iss_t = 'common:nios2_fast'),
                    Uses('vci_ram'),
                    Uses('vci_multi_tty'),
                    Uses('avalon_switch_fabric'),
                    Uses('vci_avalon_target_wrapper'),
                    Uses('vci_avalon_initiator_wrapper'),
                    Uses('vci_xcache'),
                ],
                cell_size = 4,
                plen_size = 8,
                addr_size = 32,
                rerror_size = 1,
                clen_size = 1,
                rflag_size = 1,
                srcid_size = 8,
                pktid_size = 1,
                trdid_size = 1,
                wrplen_size = 1,
                nb_master = 1,
                nb_slave = 2,
                address_width = 32,
                data_width = 32,
                burstcount_width = 8
            )
```