RCE Identifiers

RCEs can be identified by their location in a shelf and COB.

This location information is encoded in a string, and used to resolve RCE IP addresses.

shelf name - the shelf name, or shelf address (configured in the shelf manager)

slot number - the slot number in the shelf where a COB is installed (numbered 1 to range dependent on manufacturer)

bay number - the bay number in the COB where the RCE is installed (0 to 3 for DPM, 4 for the DTM)

rce number - the RCE number (0 or 2)

For example:

shasta/4/0/0 - shelf shasta, slot 4, bay 0, rce 0

egbert/1/4/2 - shelf egbert, slot 1, bay 4, rce 2

RCE IDs are printed in the output header blocks of the SDK cob_dump_bsi command:

cob_dump_bsi shasta-sm--rce
==========
| BSI: shasta-sm/2/DPM0/RCE0 (shasta-sm/2/0/0) |
| RCE Information |

Using an ssh, telnet, or serial console connection, you can print the RCE ID while logged in:

```
[root@shasta/2/0/0 ~]# sysinfo
Firmware info:
 bitfile version: 0xdc000004
 ARM module version: 0x12
 Dpm10GAxi: Vivado v2015.3 (x86_64) Built Fri Jan 8 16:46:28 PST 2016 by rherbst
 refclk0 freq sel: 0x2
 refclk1 freq sel: 0x2
Zynq info:
 Device DNA: 0x80990c0b49705400
 eFUSE: 0x0
BSI info:
 HW ID: 0x8e0000007ece7b70
 RCE ID: shasta/2/0/0
 U-Boot version: rce-v2016.1
 RPT sw tag: 4790
 MAC address: 0x8005600443f
```