Figure 1: VirtualSoC cluster memory map

Appsupport

The `SimSupport` module of VirtualSoC offers a set of services (such as getting each core's ID) useful for the simulation to the user through the APIs offered by the `appsupport`. Its mechanism is based on read or write issued in a given address range: all the transactions within this range are intercepted by the SystemC wrapper and no traffic occurs at bus level.

All the support functions are defined in file `appsupport.c`, located in `$VSOC_APP_DIR/support/simulator`.

Memory-mapped support functions

- `void pr(char *msg, unsigned long int value,`
              `unsigned long int mode)`

    Allows printing debug info even without OS support. Input parameters:

    - `char *msg` : the string to be printed;
    - `unsigned long int value` : the numerical value to be printed;