



SoC Workshop, Questions and Answers

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Workshop Committee

MAC Address

- For MAC address assignment, would prefer to be assigned a block (maybe a total of 4 per blade) of contiguous ones that can be programmed in non-volatile memory. How to go about this ?
 - After discussion with relevant people, MAC addresses with a CERN prefix can be obtained from CERN through the service desk for any boards which are going to be used at CERN. It is however recommended that the board manufacturers ask for the blocks they require, and program them into the memory of those boards, rather than users of the boards making separate requests.

IP Address

- IP Addresses: DHCP or a similar solution is fine (for CMS, we use a Host ID scheme based on the crate/slot). Will this be available for ATLAS and CMS for the future ?
 - Yes the idea is that ATLAS and CMS would go to the same naming convention (still to be refined and agreed) and the same proposal for ClientID usage in DHCP.
- ??????

Network Boot

- Network Boot: Network boot and a network disk solution seems best to us. We do have the option of an eMMC on the blade.
 - Thank you. The proposal is indeed to do Network boot and use core, high availability servers for this, with the minimal amount of things on the local storage (be it SD card, QSPI flash or eMMC)
- ??????



More Questions ?