

1 Introduction and functional overview

This specification describes the functionality, API and the configuration of the AUTOSAR Basic Software module NVRAM Manager (NvM).

The NvM module shall provide services to ensure the data storage and maintenance of NV (non volatile) data according to their individual requirements in an automotive environment. The NvM module shall be able to administrate the NV data of an EEPROM and/or a FLASH EEPROM emulation device.

The NvM module shall provide the required synchronous/asynchronous services for the management and the maintenance of NV data (init/read/write/control).

The relationship between the different blocks can be visualized in the following picture:

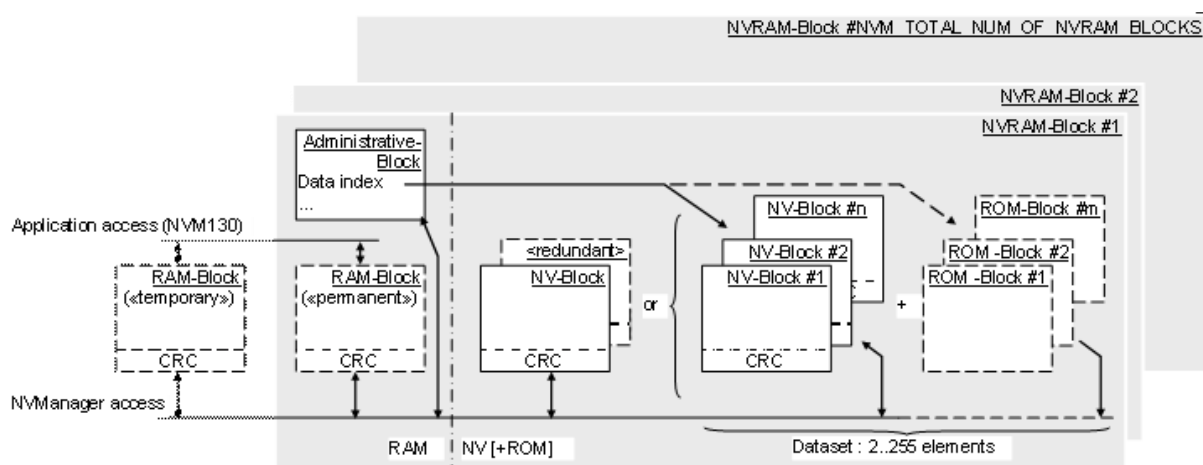


Figure 1: Memory Structure of Different Block Types

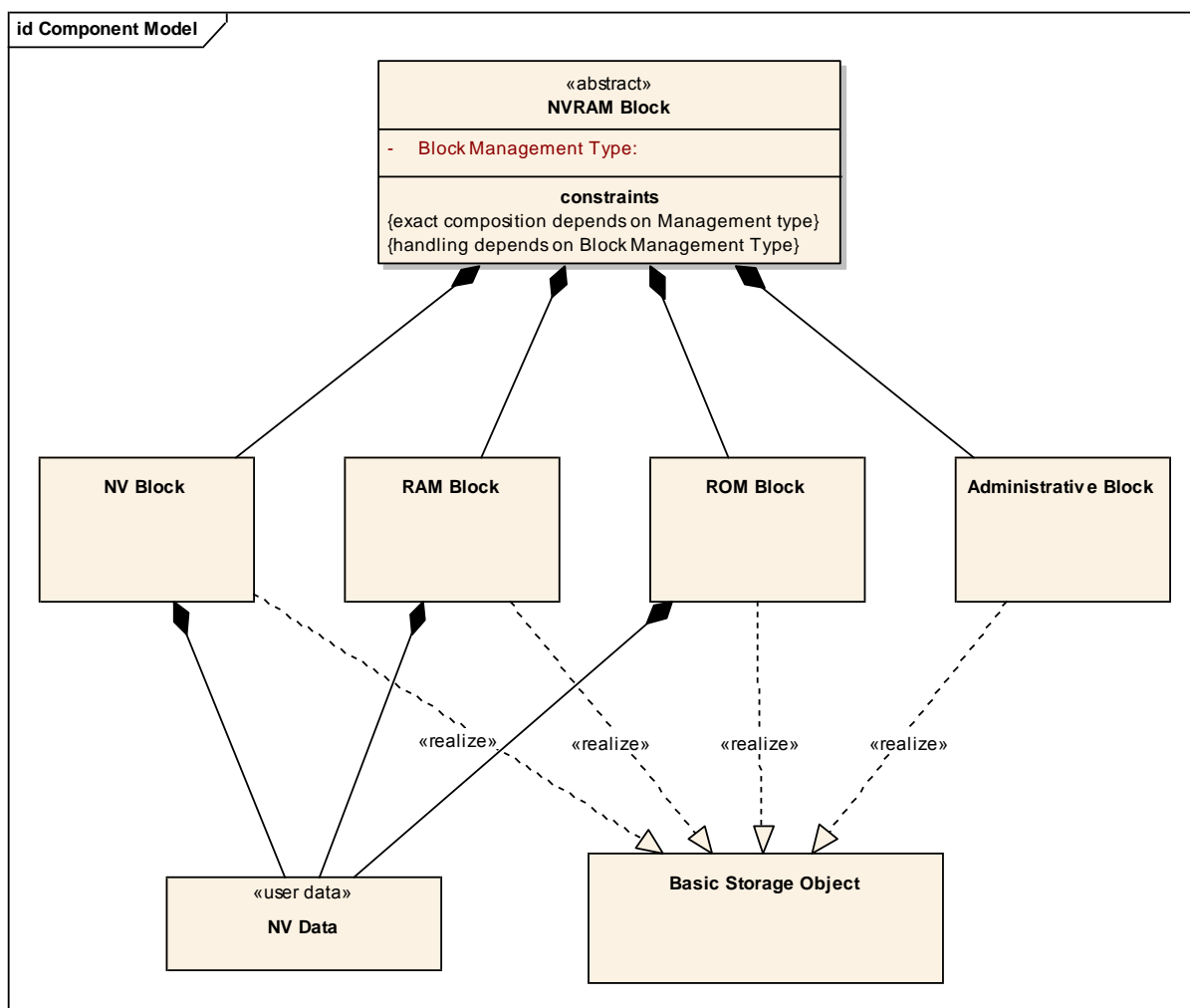


Figure 2: Logical Structure of Different Block Types