### 4.6.4 SAN boot support

The IBM FlashSystem 9100 supports SAN boot or startup for IBM AIX, Microsoft Windows Server, and other operating systems. SAN boot support can change, so check the IBM SSIC web page regularly.

# 4.7 Licensing and features

The following topics cover base product licenses and feature licensing.

### 4.7.1 IBM FlashSystem 9100 products licenses

The following licenses are for the IBM FlashSystem 9100 base products:

► IBM FlashSystem 9110 Base Model AF7- PID 5639-FA2
► IBM FlashSystem 9150 Base Model AF8- PID 5639-FA3

The following functions and features are included in the base IBM FlashSystem 9100 products licenses:

► Enclosure Virtualization
► Thin Provisioning
► FlashCopy
► Encryption
► Easy Tier
► DRP Compression

### 4.7.2 SAS Expansion Enclosures

Each SAS expansion enclosure requires the following license:

► IBM FlashSystem 9100 Expansion Enclosure Base Model AFF- PID 5639-FA1

> **Note:** Each IBM FlashSystem 9100 Expansion Enclosure Base Model A9F requires a quantity of *four* licenses per enclosure. The IBM FlashSystem 9100 Expansion Enclosure Base Model AFF only requires a quantity of *one* license per enclosure.

### 4.7.3 Externally virtualized expansion enclosures or external arrays

Each externally virtualized expansion enclosure or storage array requires *one* of the following licenses:

► IBM Spectrum Virtualize for SAN Volume Controller: PID 5641-VC8

*or*

► IBM Virtual Storage Center (VSC): PID 5648-AE1

> **Note:** IBM FlashSystem 9100 *internal* enclosures are licensed to the hardware (HW) serial number. IBM Spectrum Virtualize software and VSC packages are perpetual and not tied to any HW serial number.

In addition to one of these licenses, the capacity of each enclosure or array has an SCU value applied.