Berkeley Storage Manager (BeStMan)
Checksum Support

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Checksum Support in BeStMan

- **BeStMan supports 3 checksum types**
  - MD5, ADLER32, CRC32
  - One of them can be chosen as the default in the configuration.

- **User-provided checksum calculation**
  - Checksum calculation command for external calls can be supplied in the configuration.

- **Checksum calculation**
  - Calculation priority
    - When user-provided command exists, the external checksum calculation takes priority.
    - Otherwise, BeStMan calculates the default type as defined in the configuration, through the java libraries.
  - All internal checksum calculations are done on-demand.
    - `srmLs` is an expensive operation with checksum calculation
    - Option to turn off checksum support in the configuration