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# **Berkeley Storage Manager (BeStMan)**

## **Checksum Support**

BeStMan SRM team  
[srm@lbl.gov](mailto:srm@lbl.gov)

Scientific Data Management Research Group  
Computational Research Division  
Lawrence Berkeley National Laboratory



# Checksum Support in BeStMan

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- **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