**USE CASE**

PyTables is a package for managing hierarchical datasets and designed to efficiently and easily cope with extremely large amounts of data. PyTables is built on top of the HDF5 library, using the Python language and it uses Blosc for enhanced I/O performance.

This package provides an interface to the HDF5 library for the Julia language. It uses Blosc as the default compressor for data I/O.

Zarr is a format for the storage of chunked, compressed, N-dimensional arrays. It uses Blosc as its default compressor for accelerated I/O to memory/disk or network.

**PLANNED FEATURES**

+ Plugin capabilities for allowing users to add more filters and codecs. There should also be a plugin register capability so that the info about the new filters and codecs can be persistent and propagated to different machines.

+ Lock support for super-chunks: when different processes are accessing concurrently to super-chunks, make them to sync properly by using locks, either on-disk (frame-backed super-chunks), or in-memory. Such a lock support would be configured in build time, so it could be disabled with a cmake flag.

+ Improve the Blosc website: create a nice, modern-looking and easy to navigate website so that new potential users can see at first glimpse what’s Blosc all about and power-users can access the documentation part easily. Ideally, a site-only search box would be great.
Support for network storage 150 Hours
Add a multidimensional compression codec to Caterva/cat4py 200 Hours
Checksums for chunk/index/metalayer. 150 Hours

For more information on Blosc!, including our governance structure and project roadmap, please visit http://www.blosc.org/

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For more information: info@numfocus.org | +1 (512) 831-2870.