Future Ideas and SAM for Other Experiments

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# Introduction

This document describes possible future projects that REX/DH should consider.

# Future projects

Here are some projects that we should consider.

## DES

Whatever we plan to do with DES needs to be determined.

## SAMFS

SAMFS is the idea to use FUSE to make a filesystem like interface to the SAM catalog. That is people could traverse the catalog and discover files as if it was a filesystem (like pnfs or chimera for enstore/dCache). It is possible to even use this system for one-file or small dataset retrieval for interactive programs on the user’s desktop/laptop. See CS-docdb-4325 for more information on SAMFS.

## Integrate SAM with other experiments

The SAM and ART integration should make introducing SAM to other experiments easy. But detailed plans need to be made (e.g. determining their metadata, migrating them to FTS, etc).

## Deploy SAM and FTS with relocatable UPS

Use relocatable UPS for our deployments