

Dark Blue

PREMIS implementation

# Dark Blue Overview

- Low cost preservation storage system for:
  - Audiovisual masters
  - Removable media images
  - Licensed data
- Deposit, validation, audit
- No discovery
- Limited metadata support
- Staff access (file/object download) via ArchivesSpace

# Dark Blue Events

- Each object (bag) has events
  - package\_id (linkingObjectIdentifier)
  - event\_type (eventType)
  - user\_id (linkingAgentIdentifier)
  - outcome (eventOutcome)
  - detail (eventOutcomeDetail)
  - created\_at (eventDateTime)
- Not explicitly PREMIS, but easy to output as PREMIS

# Dark Blue Event Types

- **accession**
  - intent to deposit
- **transfer**
  - upload to repository
- **validation**
  - outcome / detail records output from validator
- **ingest**
  - after validation succeeds & item is moved from staging to preservation repository
- **fixity check**
  - audit
- **dissemination**
  - when authorized staff retrieve an object



# Example Object Events Output

<http://darkblue.lib.umich.edu/v1/packages/e4a5f7cc-f03f-4e64-acf0-065b035682ff/events>

```
[
  {
    "id": 123, # auto-generated id via rails
    "event_type": "fixity check",
    "executor": "aelkiss",
    "outcome": "success",
    "date": "2018-09-24T09:00-04:00"
  },
  ...
]
```



# Future Directions

- Events are only recorded in the database
- Object storage is currently just a bag on disk
- May move to OCFL in the future
- Object have a log directory which can store events



# Dark Blue

<http://github.com/mlibrary/chipmunk>