Server-side Architecture

Middleware

←operations

maintenance→

Gateway

Operations DB

Minimal schema for buckets, scan only;
fully indexed;
fully preprocessed metadata;
preprocessed collection metadata;
no parents?

Gateway to remote server;
server can be anything for which
well-defined services already exist;
ADL stores no metadata;
essentially just a translation of
services;
example: Z39.50

Auto, offline, batch update

Auto, offline, batch update

Maintenance DB

Full schema based on existing standard(s);
not indexed;
"rich" relationship representation,
including parent/child

Remote collection

Remotely-controlled collection;
collection may or may not have a service
that provides full metadata; if not, metadata
will be processed and sent up to
Operations DB as an offline, batch process;
example: Pegasus

ingest

Raw data

Greg Janée, 7/9/98