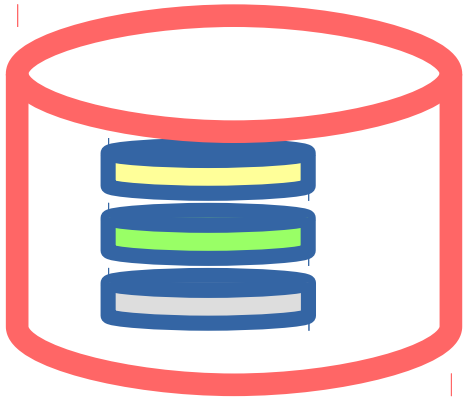


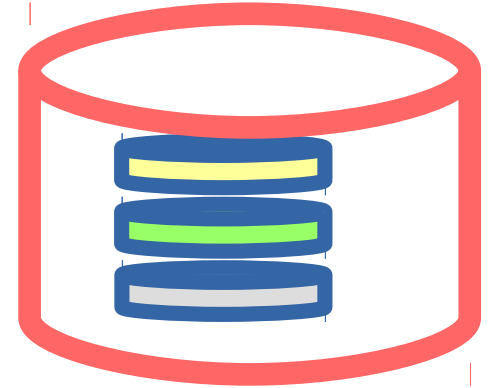
ADHL Content Aggration

Finding content
Across multiple repositories

ADHL Nodes



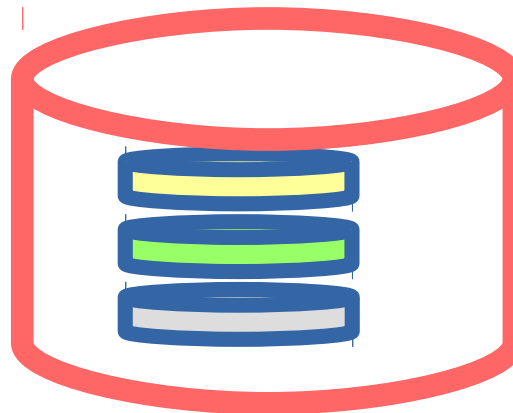
Mali



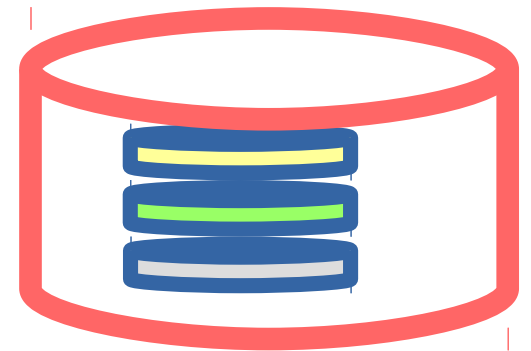
Zambia



Nigeria

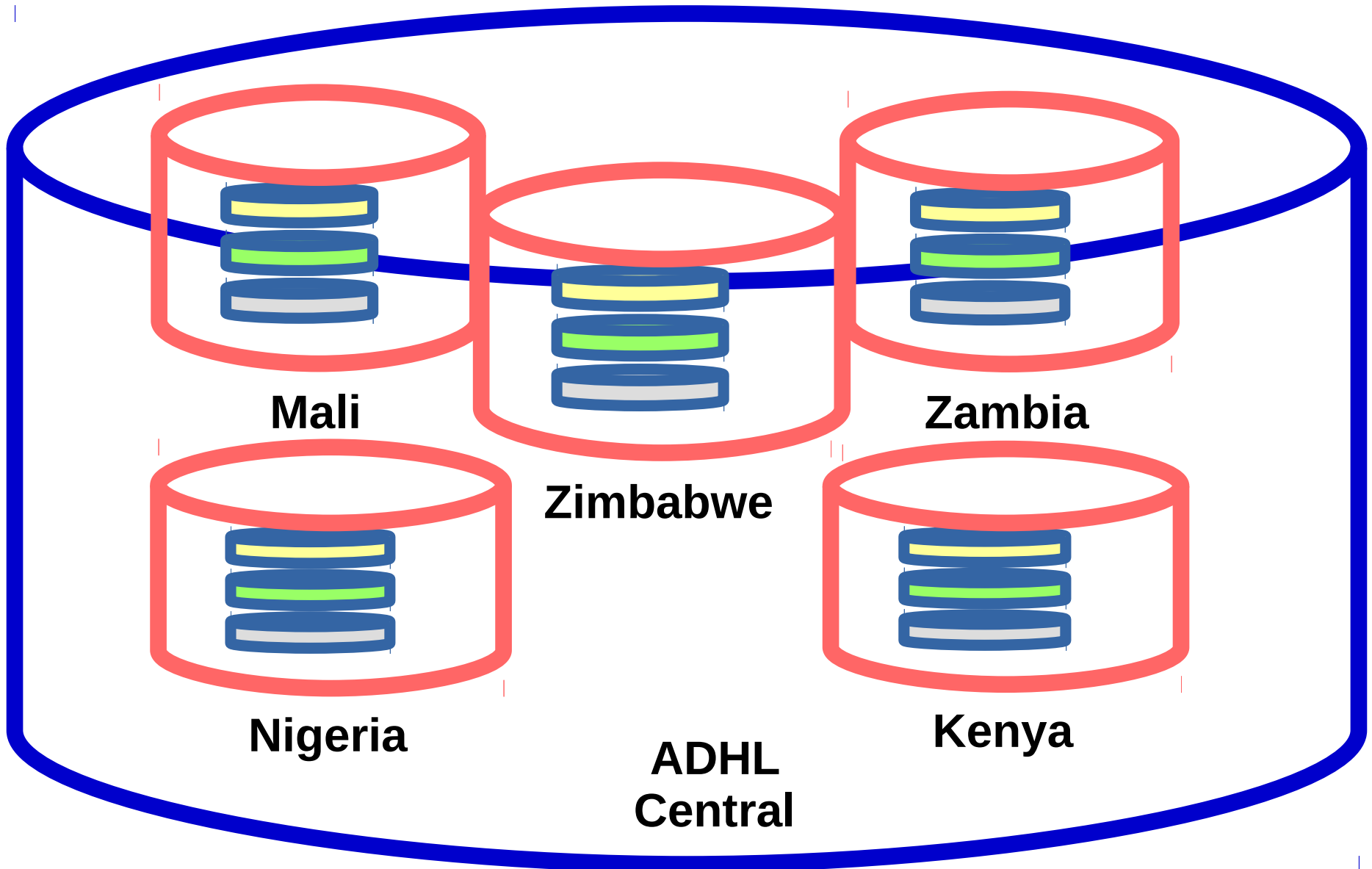


Zimbabwe

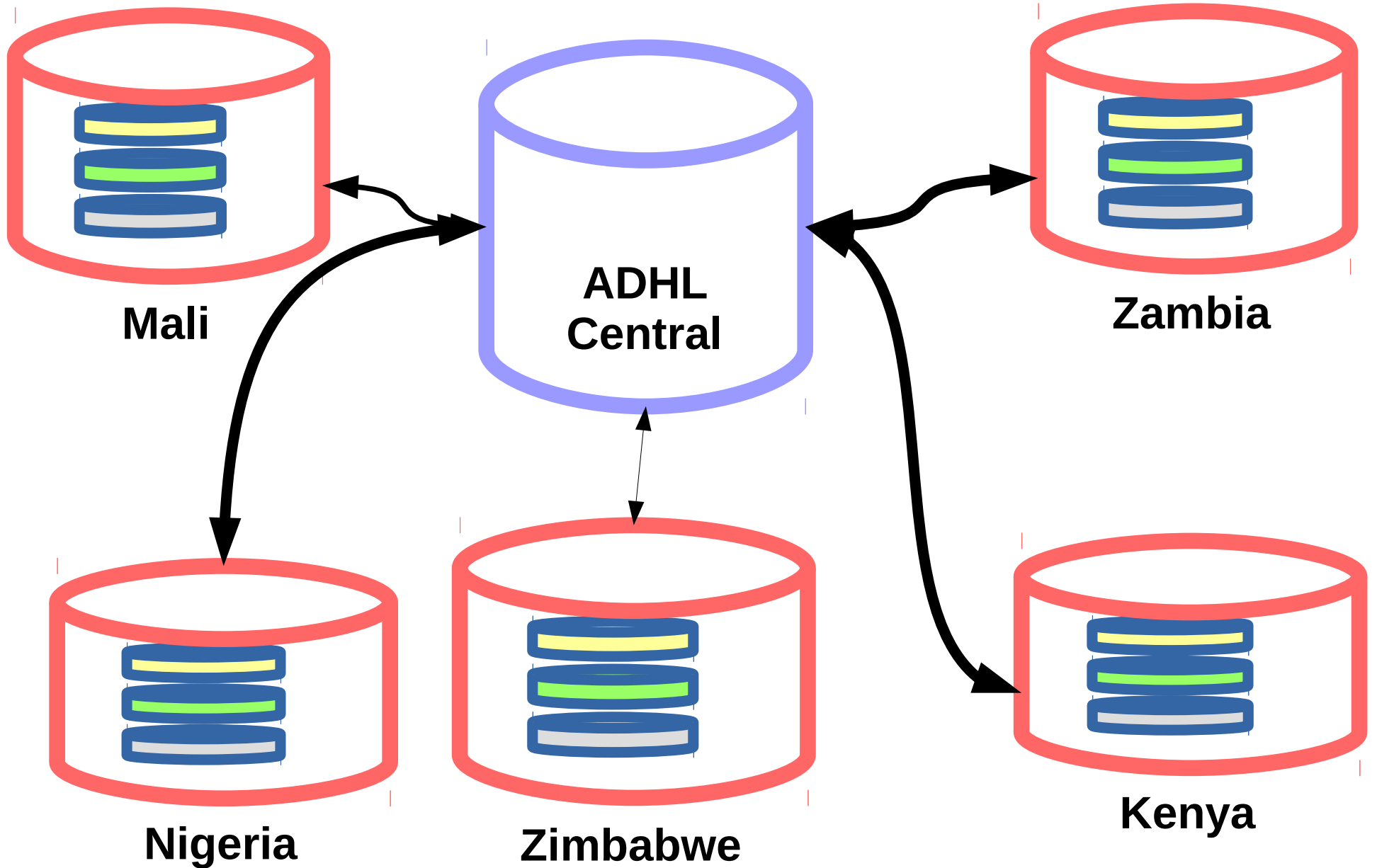


Kenya

Single View



ADHL Central



ADHL Conceptual Architecture



- This is a 'possible future' for the ADHL Library.
- OAI-PMH and/or REST based API could be used for interoperation between the nodes and the central node.
- 'Value-added' services such as dashboards could be incorporated at the central node.

Type of Aggregation

- Asynchronous :
 - OAI-PMH
- Synchronous
 - REST API

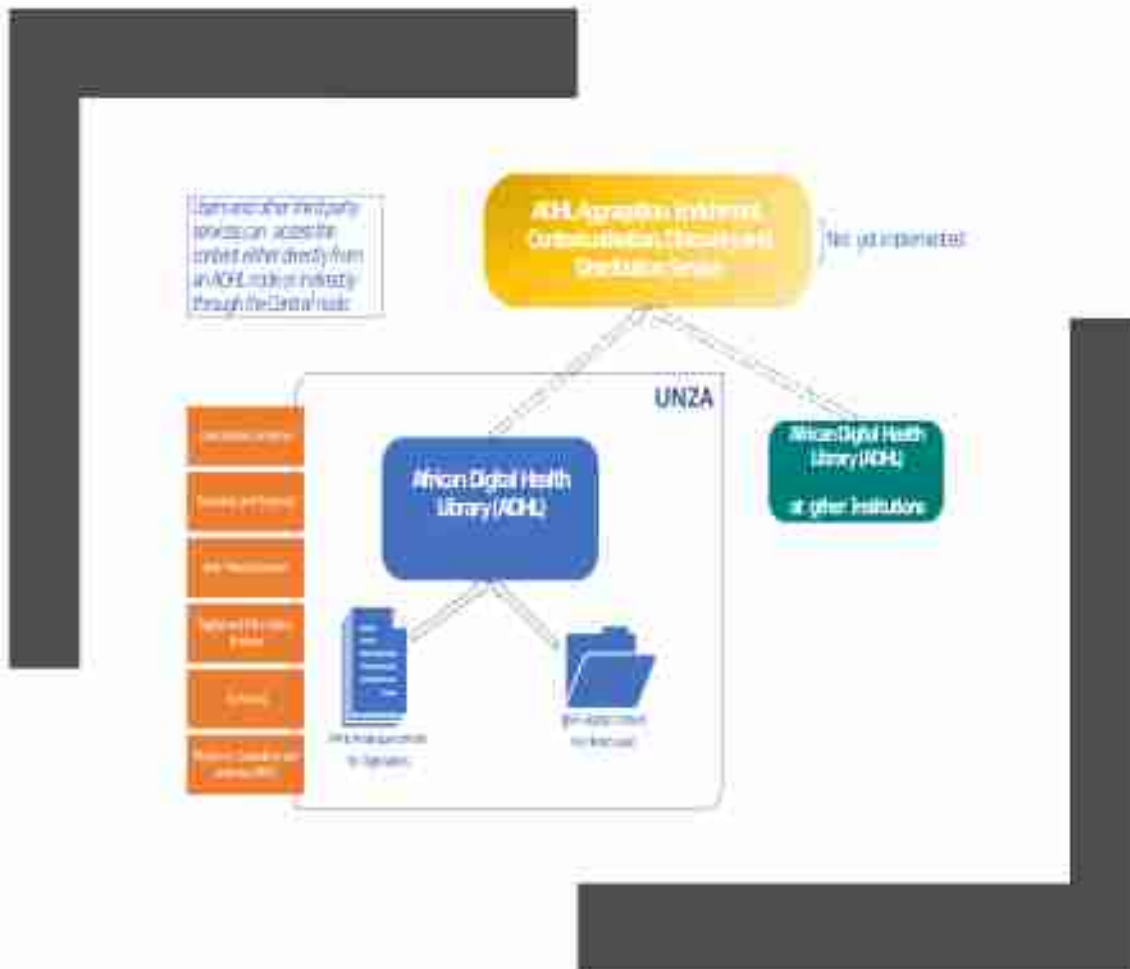
Asynchronous

- Individual nodes :
 - Deploy AOI webapps
 - Share appropriate Sets
 - Regular update OAI index
- Central
 - Install harvester
 - Indicate target Data Providers (nodes)
 - Regular metadata harvesting
 - Provide search interface

Synchronous

- Individual nodes
 - Deploy **rest** webapp
 - Permanent internet access
- Central node
 - Develop aggregator
 - Provide search interface
 - Search target repositories
 - Merge content

ADHL Conceptual Architecture

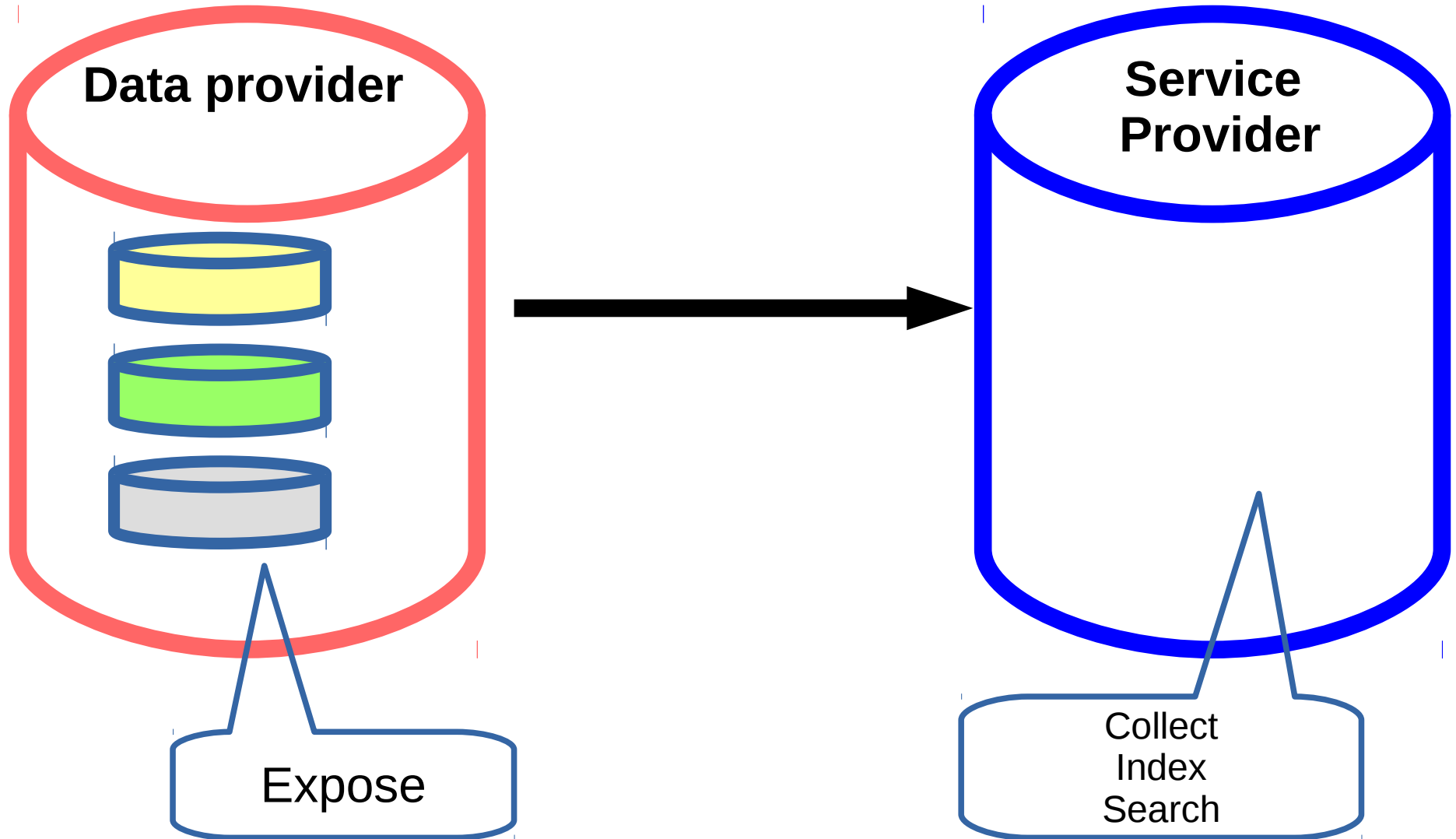


- This is a 'possible future' for the ADHL Library.
- OAI-PMH and/or REST based API could be used for interoperation between the nodes and the central node.
- 'Value-added' services such as dashboards could be incorporated at the central node.

OAI - PMH

- Open Archive Initiative Protocole for Metadata Harvesting
- Language for servers to talk to each other
 - In order to exchange metadata

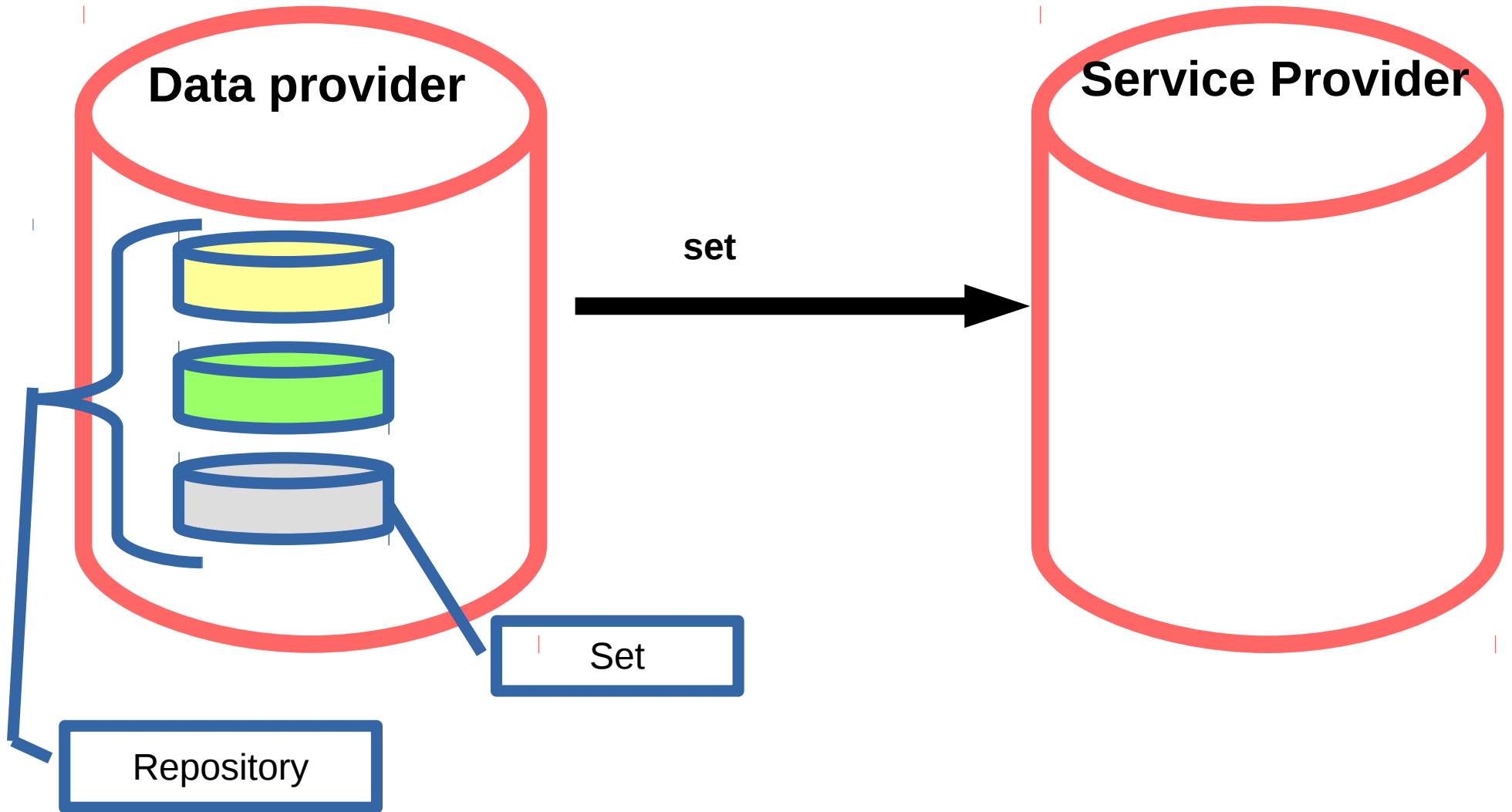
OAI Servers



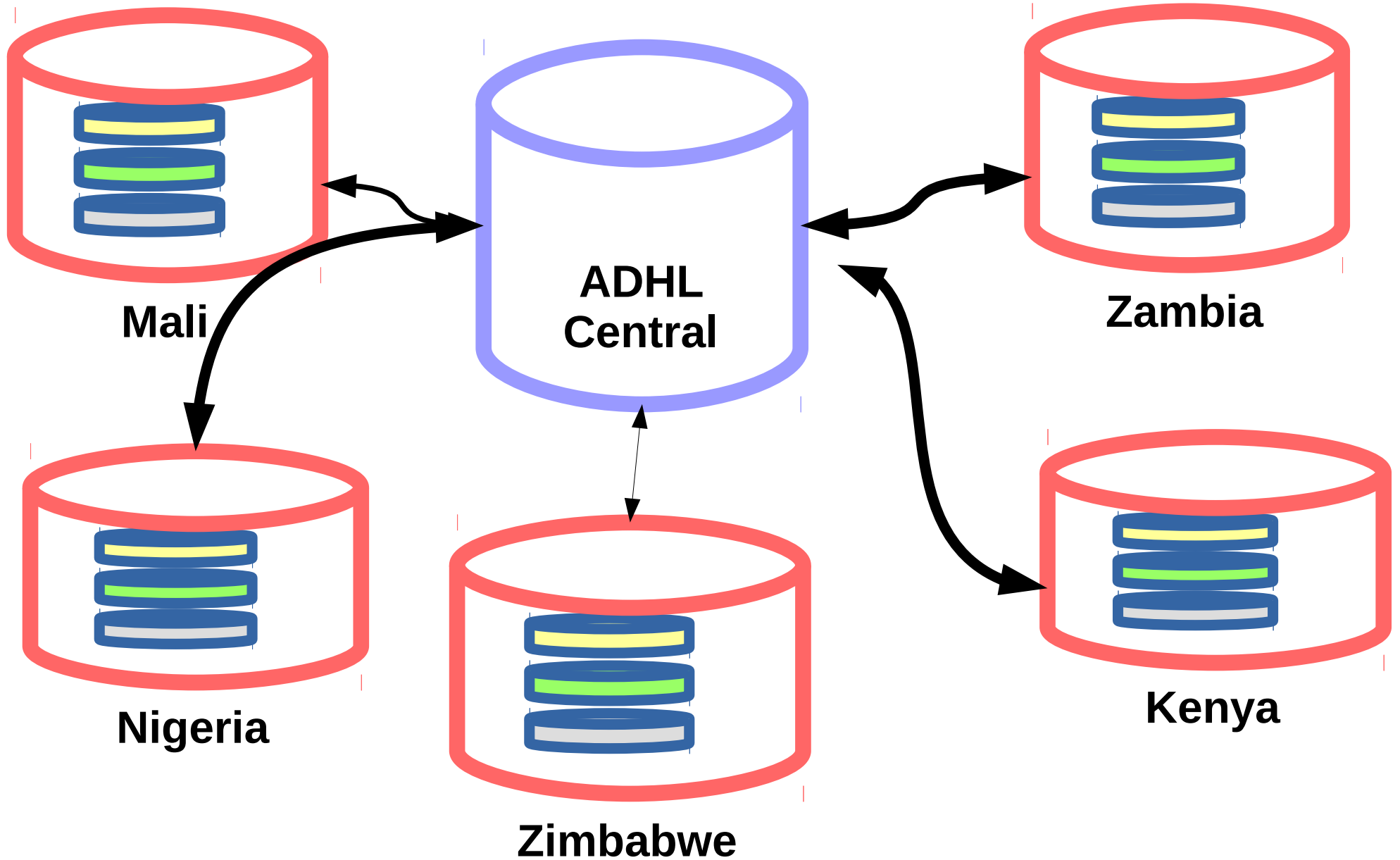
Terminologie

- **Data provider** : Server exposing metadata
- **Service provider** : harvest metadata and build value-add services (searching)
- **Repository** : Collection of resources available on data provider
- **Set** : Group of similar documents
- **Moissonner** : Collect/import data from other repositories

Serveurs OAI



Serveurs OAI



Base URL

- Dspace
 - <http://example.com/oai>
- Examples
 - <http://demo.dspace.org/oai>
 - <http://ir-library.ku.ac.ke/oai>
 - <http://adhlui.com.ui.edu.ng/oai>
 - <http://dspace.unza.zm:8080/oai>
 -

Examples

- CERN : <http://cds.cern.ch/oai2d>
- BNF
 - OAI-NUM : <http://oai.bnf.fr/oai2/OAIHandler>
 - OAI-CAT : <http://catoai.bnf.fr/oai2/OAIHandler>
- Agris : <http://aigris.fao.org/oai>
- OMS : <http://apps.who.int/iris/oai/request>
-

Verbes

- **Identify** : Information about the repository
- **ListSets** : List of communities
- **ListMetadataFormats** : Supported Format
- **ListIdentifiers**
- **ListRecords**
- **GetRecords**

African nDigital Health Library (ADHL)

ADHL

<https://library.adhl.africa>

Central ADHL Node

Central ADHL

2018-10

ADHL Content Aggregation: Finding content Across multiple repositories

Anne, Abdrahamme

African Digital Health Library (ADHL)

<http://library.adhl.africa/handle/123456789/4463>

Downloaded from African Digital Health Library (ADHL)