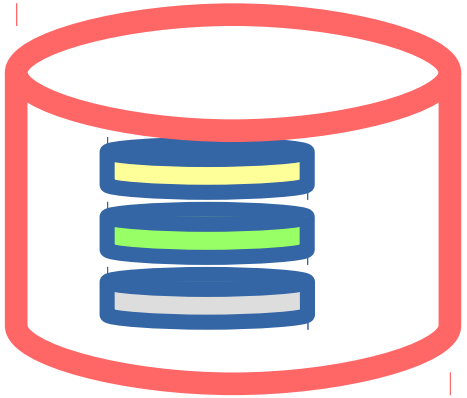
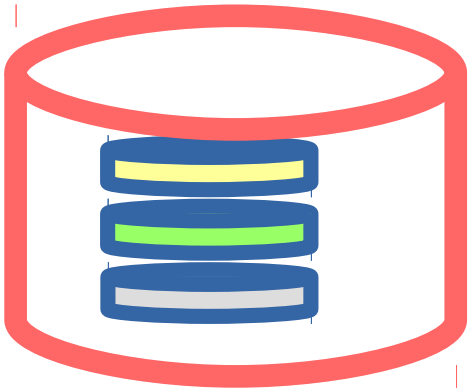
ADHL Content Aggration

Finding content
Across multiple repositories

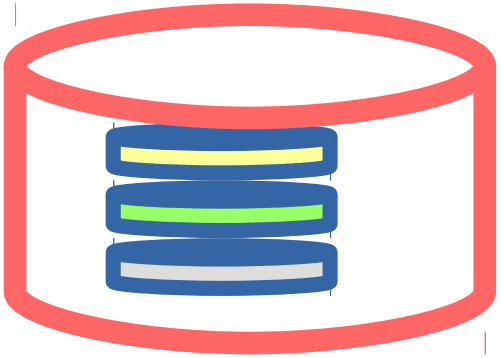
ADHL Nodes



Mali

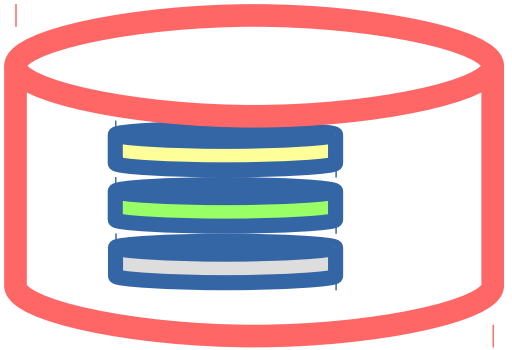


Zambia



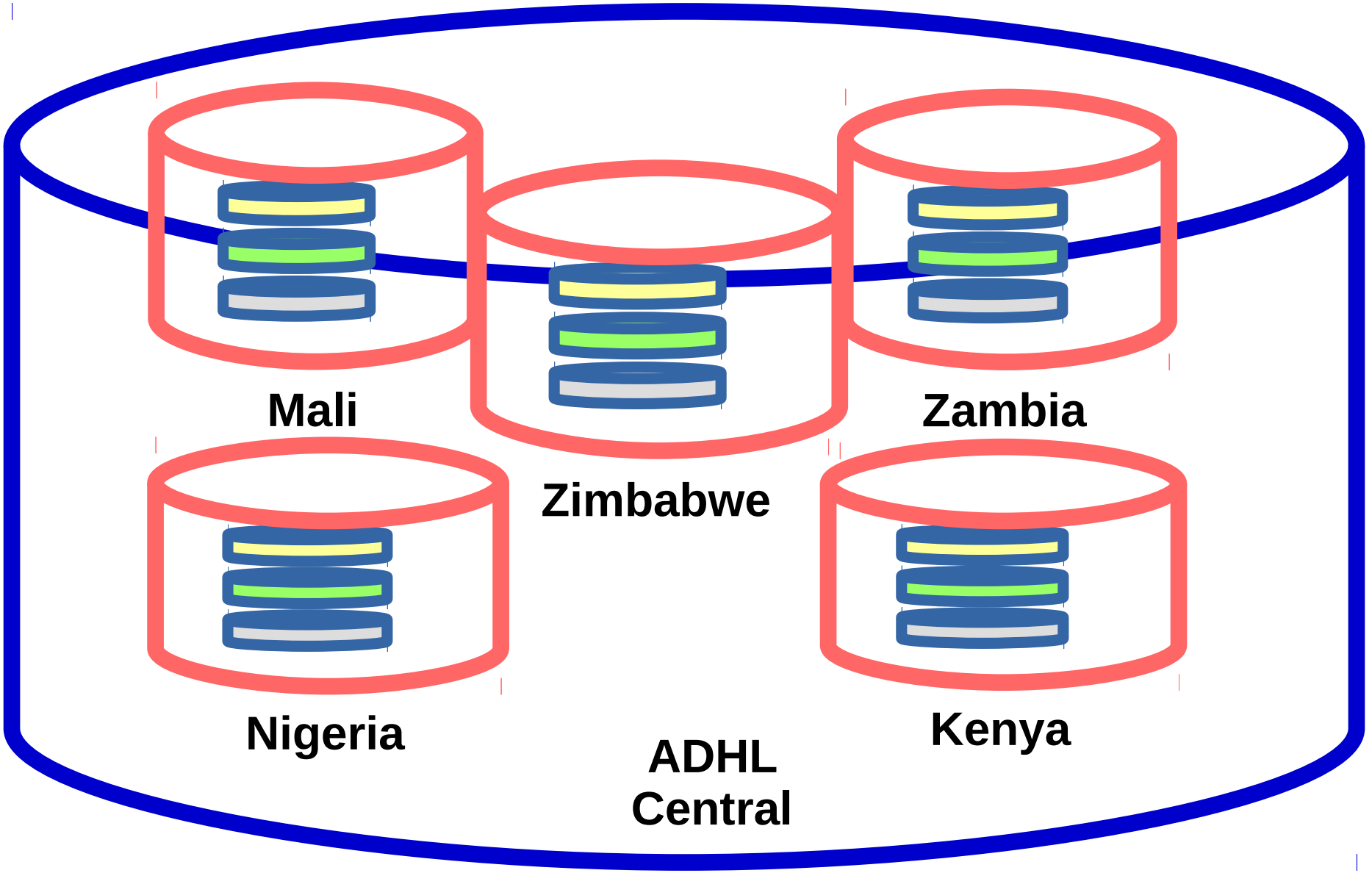
Nigeria

Zimbabwe

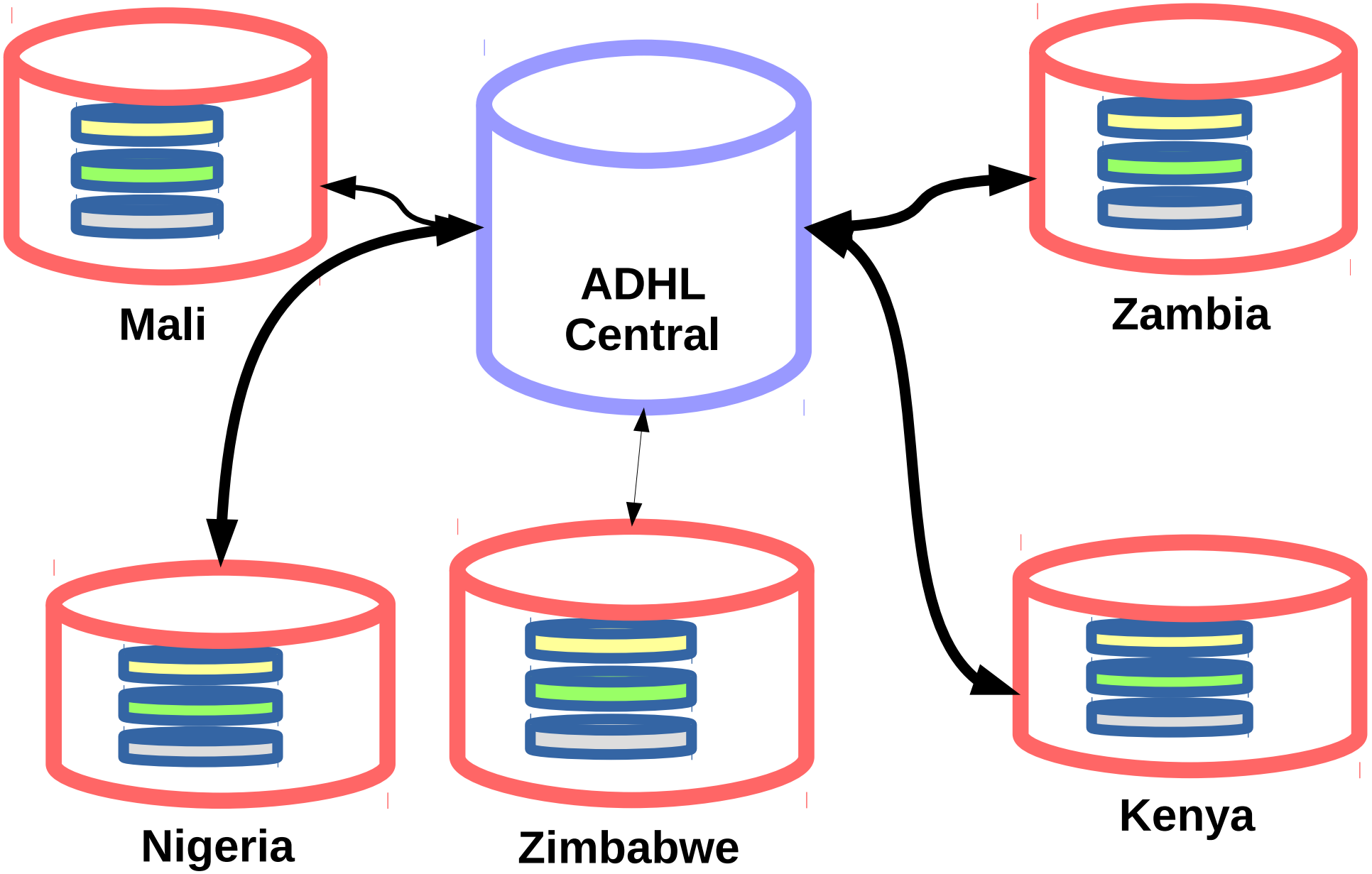


Kenya

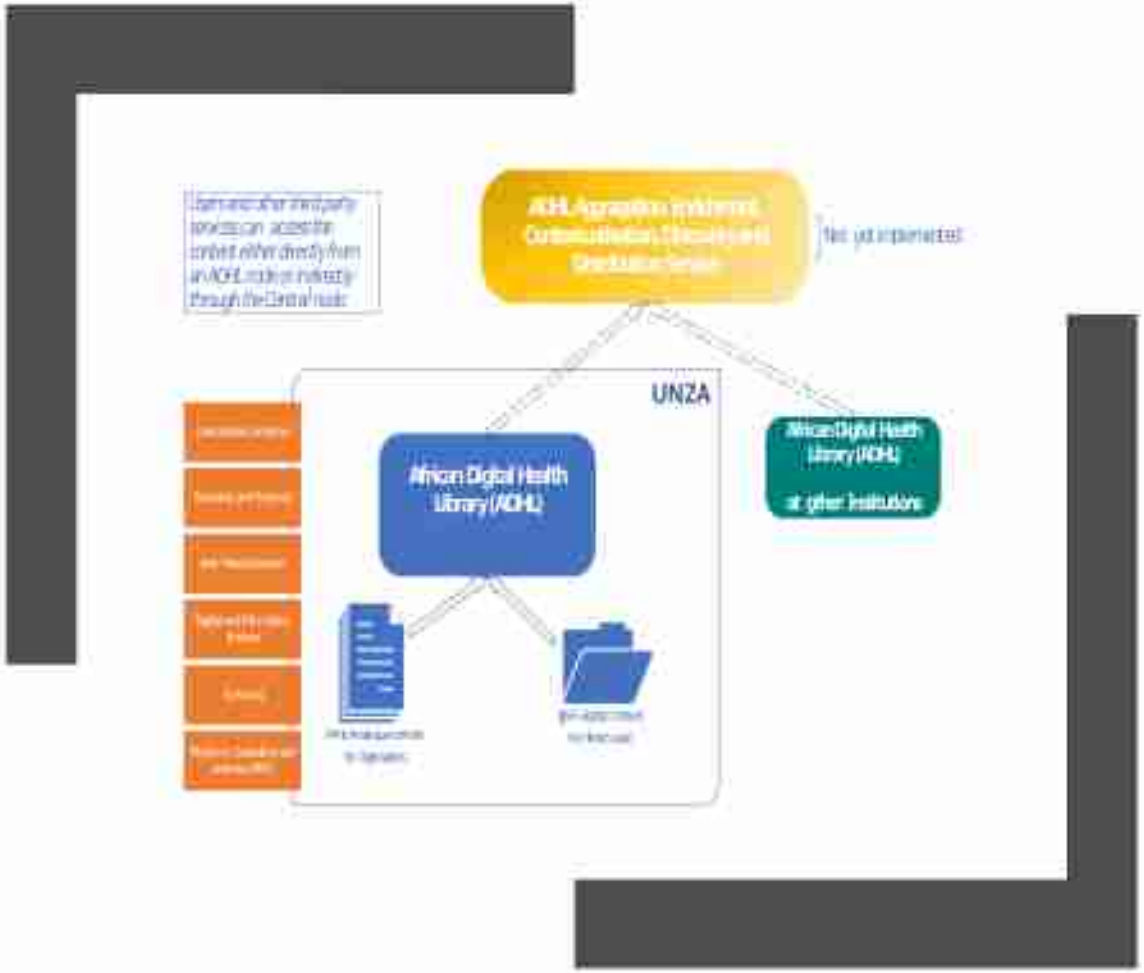
Single View



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

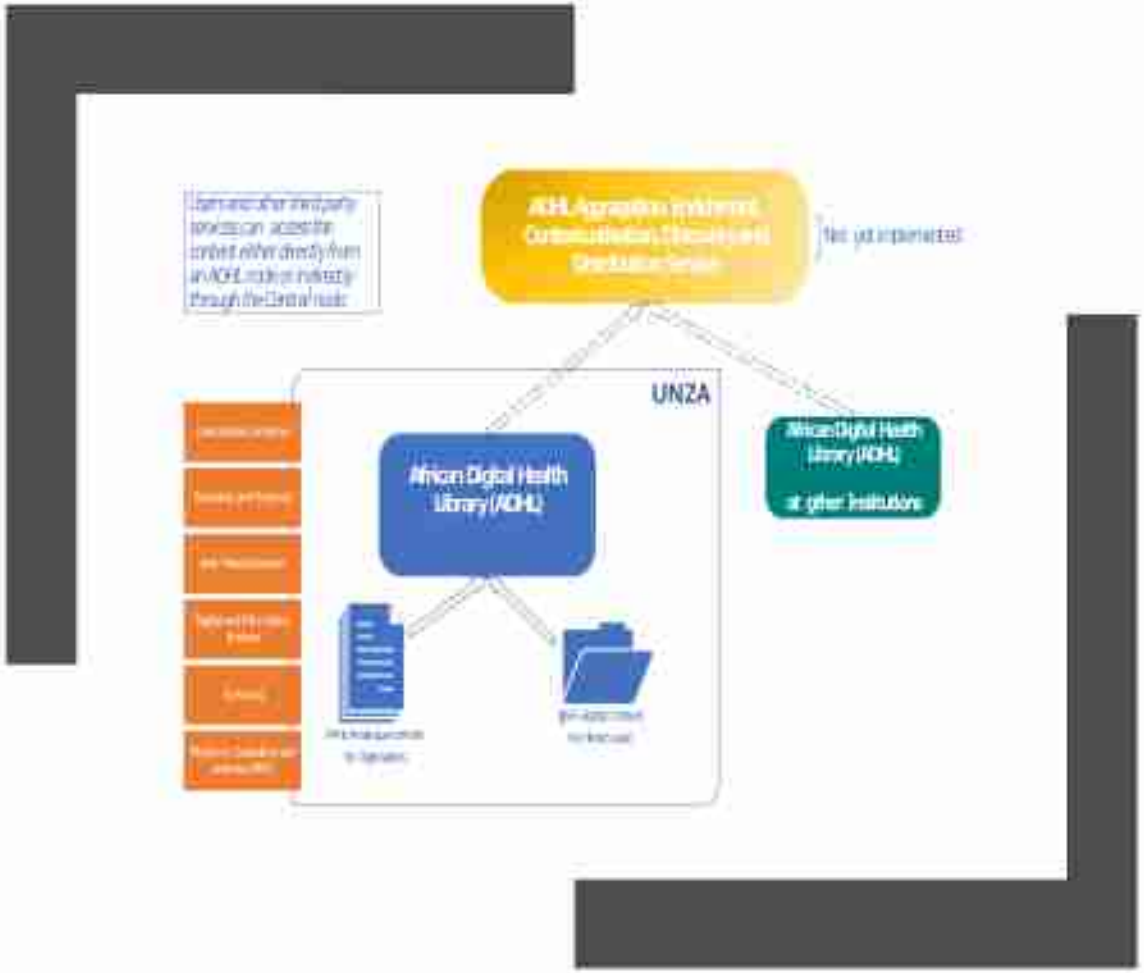
Asynchronous

- 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

Synchronus

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

ADHL Conceptual Architecture



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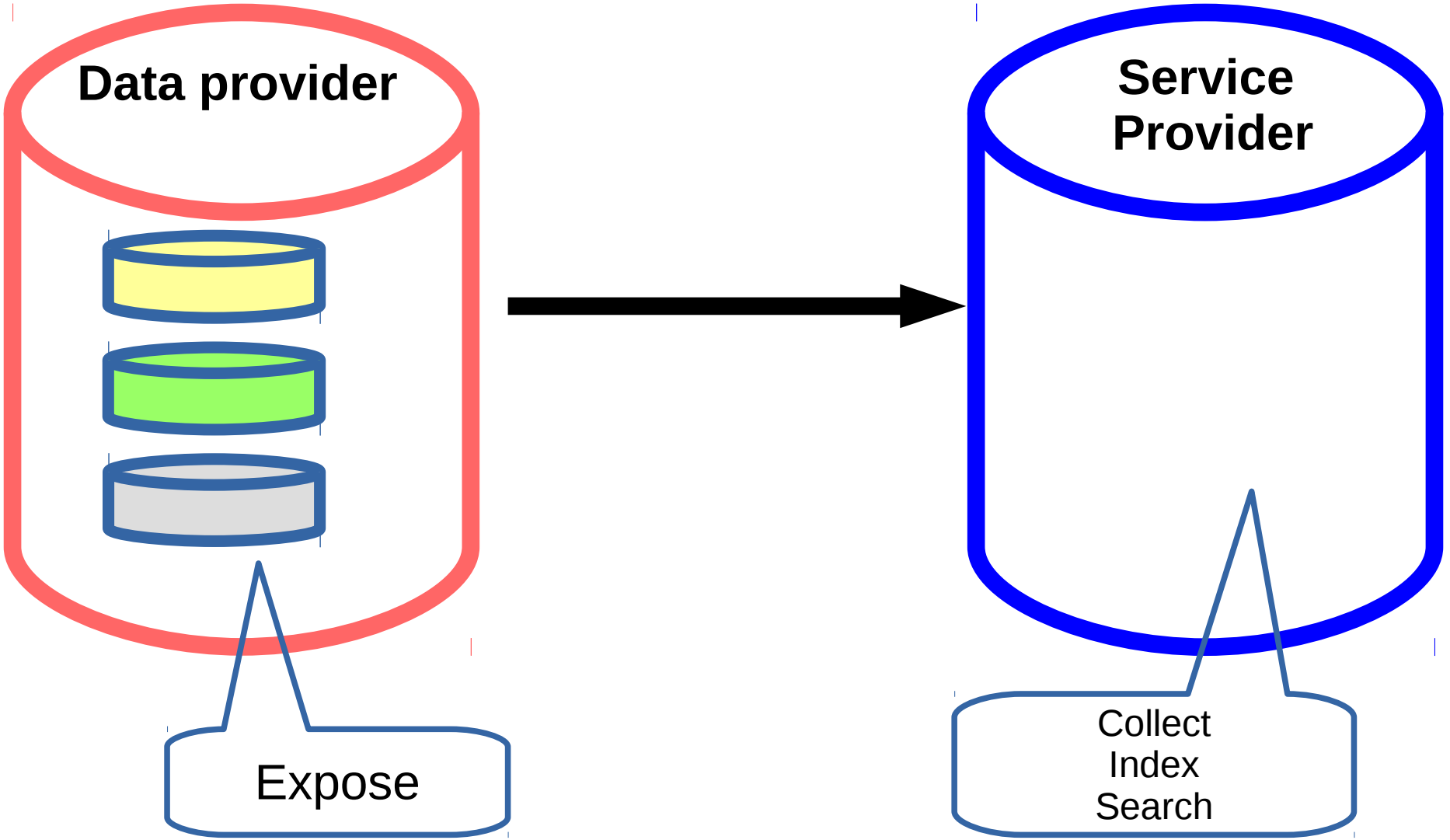
OAI - PMH

- Open Archive Initiative Protocole for Metadata Harvesting

- Language for servers to talk to each other
  - In order to exchange metadata

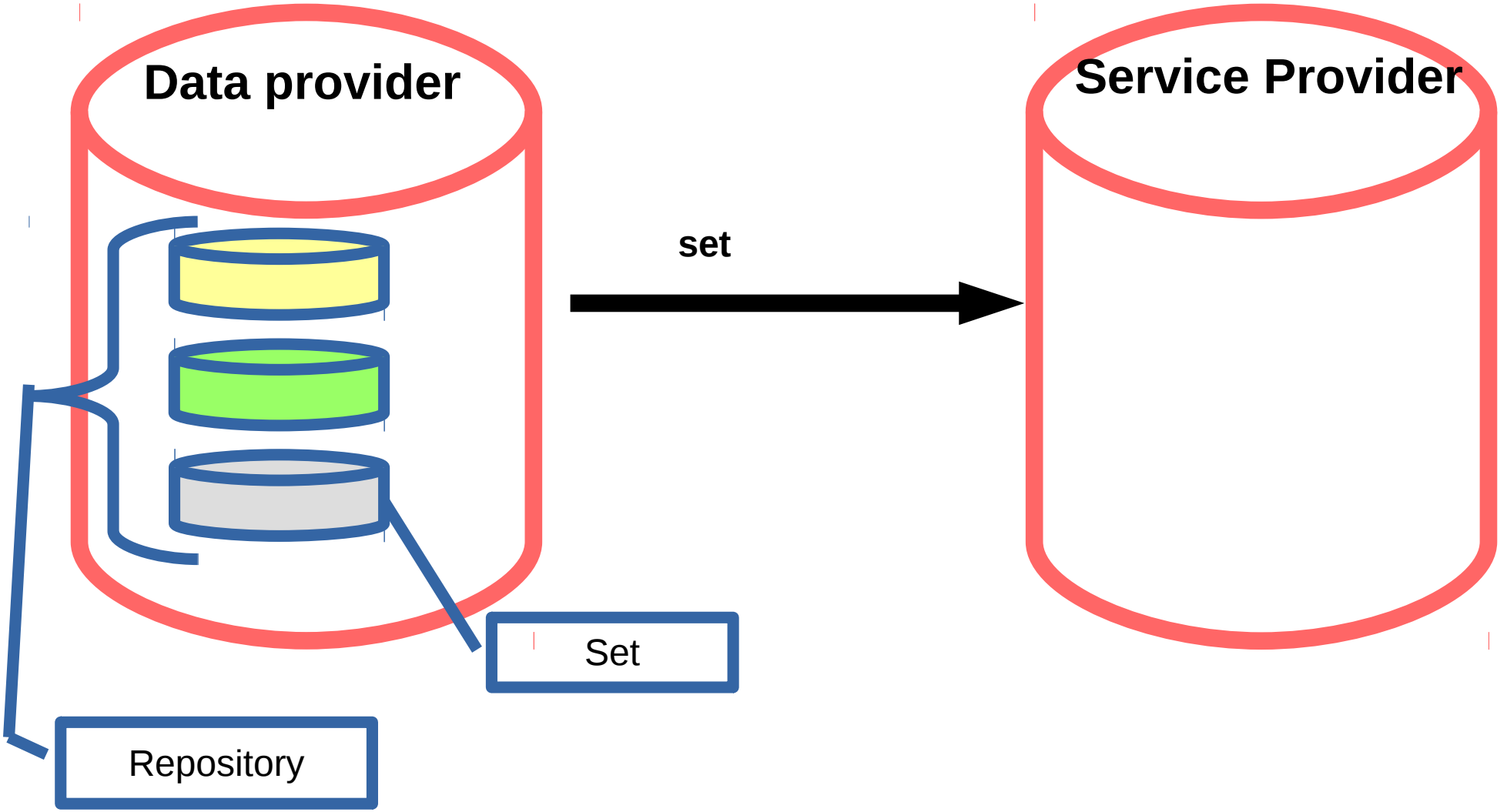
OAI Servers


Data provider
Service Provider
Expose
Collect
Index
Search

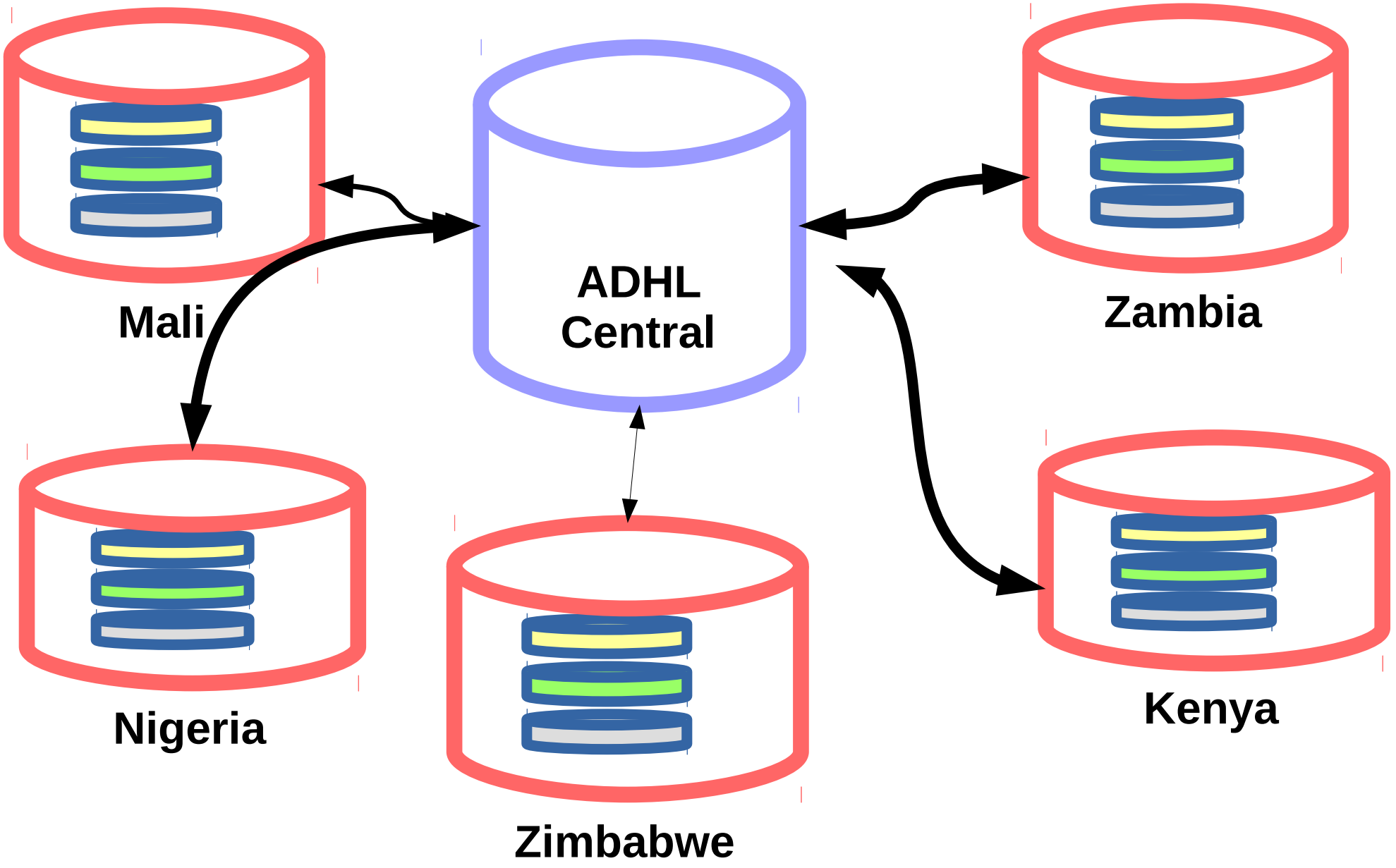
Terminologie

- **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
  -

Exemples

- 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)