

fedora



# How Disseminators Work

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# Special Fedora Objects

## Behavior Definition

- Defines a list of methods

## Behavior Mechanism

- Points to a *service* that implements those methods.
- Defines the datastreams that should act as input to the service

# Disseminator

- Just a piece of metadata on an object
- Points to Bdef (the behavior contract)
- Points to Bmech (the data contract)
- Lists the specific datastreams to be used as input  
...this “fulfills the data contract”

# Special Datastreams

## Behavior Definition

- **METHODMAP**
  - (xml list of methods)

## Behavior Mechanism

- **METHODMAP**
  - (xml list of methods)
  - Return type for each
- **DSINPUTSPEC**
  - Lists required datastreams
- **WSDL**
  - Points to the service (specific URL)

# Dissemination Lifecycle

- 1) Request arrives to the repository
- 2) Repository determines via Disseminator:
  - Which datastreams to send
  - Which service to send them to
- 3) Repository sends datastreams by REFERENCE (the URL) to the service
- 4) Service gets data from repository and transforms it in some way
- 5) Service returns content to repository
- 6) Repository streams content to original requestor.