MIR

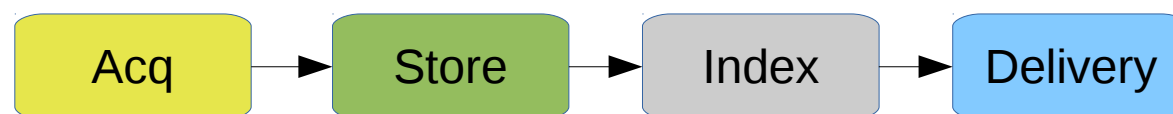## A **M**edia **I**nformation **R**etrieval System

A gentle introduction to IR

- Information Retrieval (IR) is finding material (usually documents) of an unstructured nature (usually text) that satisfies an information need from within large collections (usually stored on computers) *(cit. C.D.Manning - "An introduction to Information Retrieval" - 2009)*

- MIR is a platform to leverage on to build distributed IR systems

The MIR system

- MIR lets you configure and run acquisition campaigns

- A campaign is split into phases:

```
Acq → Store → Index → Delivery
```

- Several campaigns can run in parallel

- MIR is domain-agnostic, highly configurable, can easily scale and is implemented in Perl

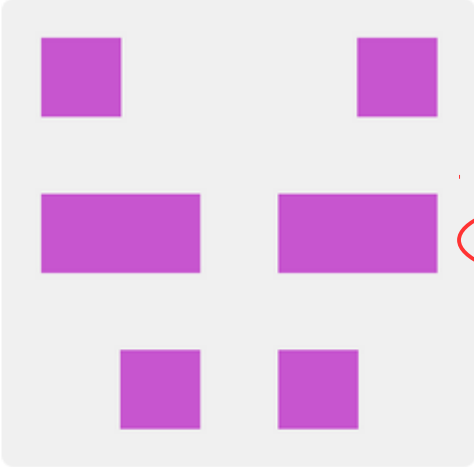# MIR components

- `Mir::Acq`   :Acq processors (+ fetchers)

- `Mir::Store` :Metadata store

- `Mir::IR`   :Indexing component

- `Mir::Config`:System configuration

- `[Mir::UI]`   : Delivery system (still under design)

MIR Roles

- `Mir::R` : namespace for all roles

- `Mir::R::Acq::Fetch` : all fetchers should consume this

- `Mir::R::Doc` : for all document (metadata) classes

MIR is on Github

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Mir is a Media Information Retrieval platform

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The Redis driver of the Moosex::Storage::IO interface.

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🍴 **perl5maven.com**

The source files of the Perl 5 Maven articles

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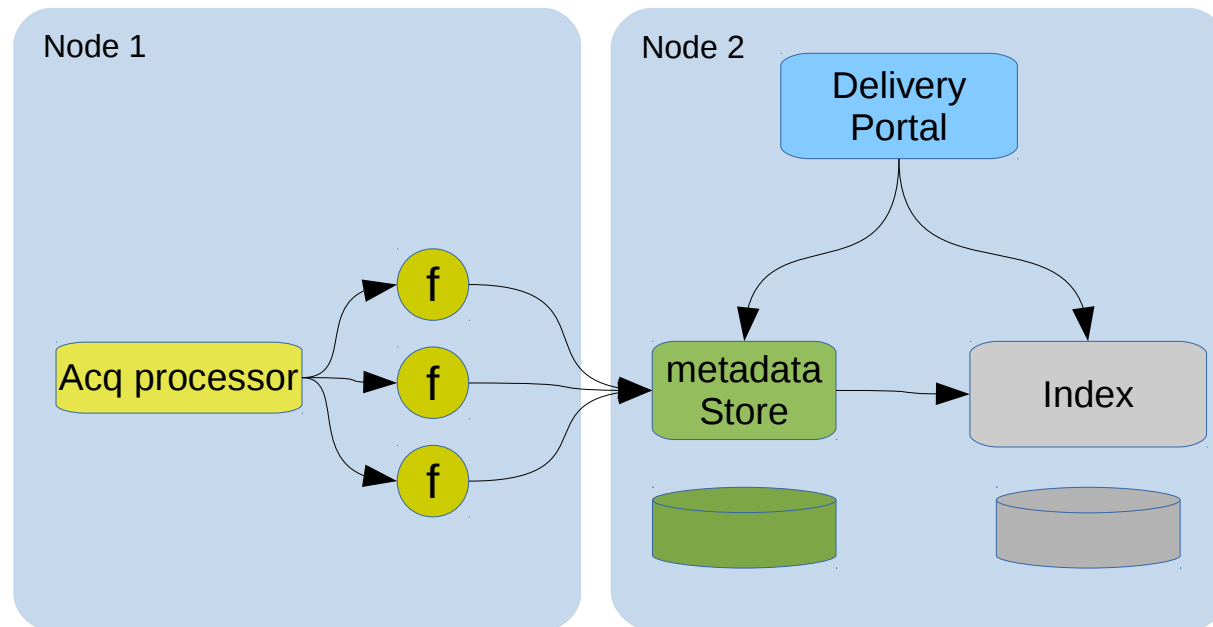
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MIR system deployments (1)

- From simple configurations...

MIR system deployments (2)

- ...to complex ones...