Feed Bundle Protocol Schema V1
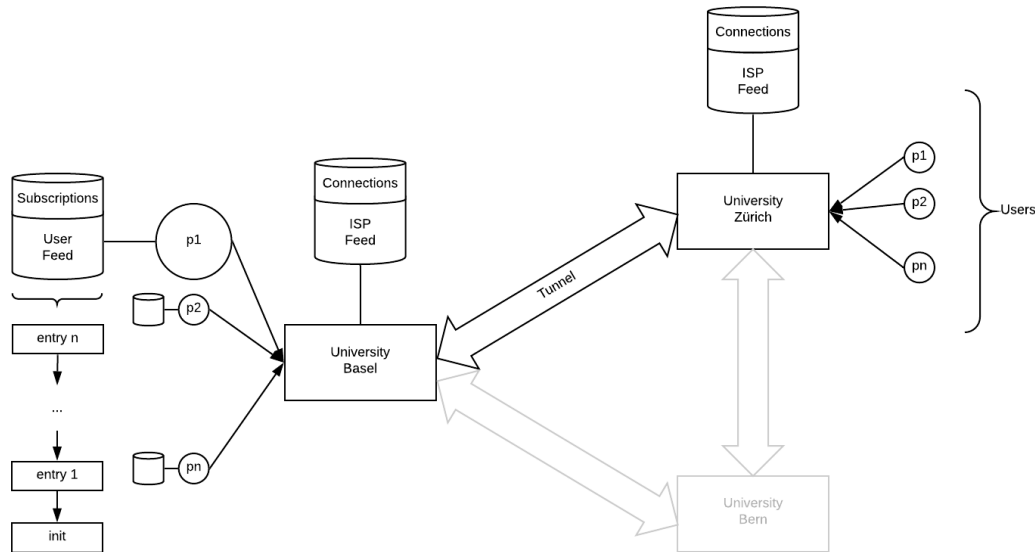

Figure 1: The simplest from of the FBP

The first goal of the FBP is to bundle n Feeds into a single Feed from ISP a and m Feeds the same way from ISP b over one *channel*. A user must be capable of connecting and disconnecting to the ISP as well as *subscribe* and *unsubscribe* to the *channel*. The ISP has to register all these events and inform the other connected ISP, to synchronise the two ISP feeds.

User Feed: An append only feed of entries.

Subscriptions: The subscriptions of a user, either for the bundled ISP feed or individual user feeds.

ISP Feed: is the bundle of all user feeds.

Connections: The connections to other ISPs, where the feed is sent to be replicated.

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User

The following functionallity a User must implement:

```
connect(ISP){ return void/bool }
disconnect(){ return void/bool }
subscribe(User/ISP/Channel){ return void/bool }
unsubscribe(User/ISP/Channel){ return void/bool }
```

ISP

The following functionallity a User must implement:

```
add(User){ return void/bool }
remove(User){ return void/bool }
interested(User, User/ISP/Channel){ return void/bool }
uninterested(User, User/ISP/Channel){ return void/bool }

multiplex(list of Feed){ return BundleFeed }
demultiplex(BundleFeed){ return list of Feed }

shorten(Feed, length/FeedID) { return Feed }
receivedUntil(){ return FeedID }
```