# repo-ng - Task #4522

## Remove selectors from old interest format

02/28/2018 08:51 AM - weijia yuan

| | | | | |
|---|---|---|---|---|
| **Status:** | Closed | | **Start date:** | 02/28/2018 |
| **Priority:** | Normal | | **Due date:** | |
| **Assignee:** | weijia yuan | | **% Done:** | 100% |
| **Category:** | | | **Estimated time:** | 0.00 hour |
| **Target version:** | | | | |

| Description |
|---|
| Delete the code with selectors and related test, simplify the Interest-Data matching process. The new version NDN interest simplify the selector function, so we need to update the corresponding part in repo-ng. |

| Related issues: | | | |
|---|---|---|---|
| Has duplicate ICE-AR Prototype - Task #4456: clean up the existing repo-ng code | | **Closed** | **01/11/2018** |
| Blocks repo-ng - Task #4523: Add Sync support for repo | | **New** | **02/28/2018** |

## History

**#1 - 02/28/2018 08:52 AM - weijia yuan**

*- Assignee changed from Alex Afanasyev to weijia yuan*

**#2 - 03/06/2018 04:10 PM - Junxiao Shi**

This should wait for [#4527](#4527), because repo-ng needs to handle CanBePrefix flag. Otherwise, it would be difficult to re-add it.

**#3 - 03/14/2018 03:57 AM - Junxiao Shi**

> Is there a specific reason that names are stored as blob type?

Yes. Names are binary, always. They should be processed and stored as such.

> It's not easy to do name prefix matching using blob. If we store name as string in the database, then it will be easy to implement prefix matching.

In SQL there's no "prefix matching". Instead, you convert the query to "WHERE name >= query AND name < successor-of(query)".
See example in repo-sql:
https://github.com/3rd-ndn-hackathon/repo-sql/blob/47671612ef8b7c40931e5129c4d82626033f90a1/src/query-processor.cpp#L98-L99

**#4 - 03/14/2018 06:27 AM - Alex Afanasyev**

Junxiao, I think there is a problem with this logic. As far as I understand, it would work if we exclude T and L for the overall name in the stored value, but should have undefined results when comparing name as a whole. Am I misremembering our previous discussion of http://named-data.net/doc/NDN-packet-spec/current/name.html#canonical-order ?

**#5 - 04/06/2018 10:30 AM - Junxiao Shi**

> it would work if we exclude T and L for the overall name in the stored value

Yes, the name column should only store NAME-VALUE.
https://github.com/3rd-ndn-hackathon/repo-sql/blob/91eb215e90dd66e0711f3a8d705ef4b788c7a4d7/src/database-conn.cpp#L90
https://github.com/3rd-ndn-hackathon/repo-sql/blob/91eb215e90dd66e0711f3a8d705ef4b788c7a4d7/src/database-conn.cpp#L21

**#6 - 07/13/2018 10:26 AM - Junxiao Shi**

*- Has duplicate Task #4456: clean up the existing repo-ng code added*

**#7 - 10/01/2018 12:00 AM - weijia yuan**

*- Blocks Task #4523: Add Sync support for repo added*

**#8 - 01/10/2019 03:38 PM - Davide Pesavento**

*- Subject changed from Remove selector from old interest format to Remove selectors from old interest format*

*- Description updated*

*- Status changed from New to In Progress*

Is this done? if not, what's missing?

**#9 - 01/10/2019 03:40 PM - weijia yuan**

Yes this is finished and merged.

**#10 - 01/13/2019 01:57 PM - Junxiao Shi**

*- Status changed from In Progress to Closed*

*- % Done changed from 0 to 100*