

## NFD - Feature #2272

### Strategy API: access to FaceTable

12/03/2014 08:14 PM - Junxiao Shi

|  |                                   |
|--|-----------------------------------|
| <b>Status:</b> Closed  | <b>Start date:</b>                |
| <b>Priority:</b> Normal  | <b>Due date:</b>                  |
| <b>Assignee:</b> Junxiao Shi   | <b>% Done:</b> 100%               |
| <b>Category:</b> Forwarding  | <b>Estimated time:</b> 2.00 hours |
| <b>Target version:</b> v0.3  |                                   |
| <b>Description</b><br>Allow strategies to access FaceTable, including: <ul style="list-style-type: none"><li>• enumerate Faces that satisfy a certain predicate</li><li>• subscribe to onAdd and onRemove events</li></ul> |                                   |
| <b>Related issues:</b><br>Blocks NFD - Feature #1999: Strategy for access router <b>Closed</b><br>Blocked by ndn-cxx - Feature #2279: Signal: allow only owner to emit events <b>Closed</b>                                |                                   |

#### History

##### #1 - 12/03/2014 08:14 PM - Junxiao Shi

- Blocks Feature #1999: Strategy for access router added

##### #2 - 12/04/2014 08:17 PM - Junxiao Shi

- Status changed from New to In Progress

##### #3 - 12/04/2014 08:55 PM - Junxiao Shi

- Status changed from In Progress to Code review

- % Done changed from 0 to 100

<http://gerrit.named-data.net/1515>

##### #4 - 12/05/2014 12:33 AM - Alex Afanasyev

I don't understand why strategy needs to fire events for "create" and "remove" faces. I can understand that strategy may get notification about those events, but not invoke them. Strategy is not supposed to create faces and even if it creates, there should be separate non-strategy related interface for that.

##### #5 - 12/05/2014 04:06 AM - Junxiao Shi

- Description updated

Strategies can *subscribe to* onAdd and onRemove events, which means they can *get notifications*.

The semantics of EventEmitter is that only the class in which EventEmitter is declared should trigger the event, and other classes can only subscribe to the event.

This rule is currently a convention; it cannot be enforced in code without changing declaration format.

This problem has nothing to do with [#2272](#).

##### #6 - 12/09/2014 09:44 PM - Junxiao Shi

- Blocked by Feature #2279: Signal: allow only owner to emit events added

**#7 - 12/14/2014 06:40 PM - Junxiao Shi**

- Status changed from Code review to In Progress

Newly-introduced ndn::util::signal::Signal provides a way to prevent Strategy from raising FaceTable events.

Thus, I'm injecting a commit to convert FaceTable to use Signal: <http://gerrit.named-data.net/1548>

**#8 - 12/15/2014 08:59 PM - Junxiao Shi**

- Status changed from In Progress to Closed