

# Fraudulent Names (1/2)

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НИЩО ЗА ДЕКЛАРИРАНЕ  
NOTHING TO DECLARE

/local/...

/\_printers/...

/std/fct/average

/icmp/ping

/trace/my/path/switched/name

These names are fraudulent (one could also call them “trapdoor names”):

- they pretend to be ordinary names
- yet they do not declare that they expect special treatment

# Fraudulent Names (2/2)

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These names belong to different name spaces (with their special treatment), fraudulent attempt to fold this into the global data namespace

<code>/local/...</code>	<i>restrict to one hop</i>
<code>/_printers/...</code>	<i>only talk to printers</i>
<code>/std/fct/average</code>	<i>execute on the subsequent components</i>
<code>/icmp/ping</code>	<i>ICMPtype=8, ICMPcode=0 – (NDN has no ports?)</i>
<code>/trace/my/path/name</code>	<i>some decoration in the name has path label set</i>

## What honest net citizens do: **DECLARE YOUR STUFF:**

```
ndn2013.fwd( ndn-encoded-interest )  
ccnx2015.fwd( ccnx-encoded-interest )  
icmp( PING, all-neighbors )  
nfn( sexpr-encoded-syntax-tree )
```

How to make it generic: API offers one local method `getLocalFctDict()`

# The too narrow view of Request-Reply

In CCNx/NDN, there is an outer RPC not having been declared:

RPC-start ---> (association with neighbor)

interest --->

data <---

...

RPC-ends ---> (disassociate)

See the gRPC protobuf language for “streamed parameters”,  
also PIT (state in the net) fits well with chaining of RPC calls,  
or in some NFN flavour, routing is  $\text{fwd}^*(\text{name})$ , or  $\text{fwd}^2(\text{name})$ , etc