How to get involved ?

❍ Send mail to <ride-request@ISI.EDU>

with

subscribe ride

in the body of the message and Bill might approve you as a member of the list

What will RIDE do?

- Eventually, define a distributed system to access and also modify this data
  - We can use existing technologies or modify them if they are suitable for our needs...

What will RIDE do?

- Define how one can find the data

  register in DNS:

```
RA.routing.registries.int   CNAME whois.ra.net
RA.routing.registries.int   TXT available: ASN, route, ...
RA.routing.registries.int   TXT protocols: RIDE, WHOIS(43),
                                           RAWHOIS(5055)
RA.routing.registries.int   TXT updates-to: auto-dbm@ra.net
```

What will RIDE do?

❍ Define how one can access the data

- http
- ftp
- other mechanisms ...

What will RIDE do?

❍ Define standarized dataformats for Internet registries (IP, routing, domain registries)

❍ Example:

dataitem ‘ASN’ has a value of ‘AS226’

might be represented as:

- ASN { AS226 }
- ASN=AS226
- ask Curtis
- many other good choices ...

What will RIDE do?

- Define which data we will exchange and how it is named
  - Example:

    auth-num: AS226

    translates to:

    dataitem ‘ASN’ has a value of ‘AS226’

How can we succeed this time ?!?

- Keep it simple!!!

  No excuses for not supporting the exchange format, customers will ask for it

- Everybody can use their own native formats, but some might even choose to use the exchange format as their native format

- No political problems

Previous efforts didn't succeed

- We couldn't force people to give up their own internal systems
- There was no well defined mapping between data of different registries
    - an exchange format scales better O(n) then having special purpose software for every possible mapping O(n^2)
- Political problems: everybody wanted to have their own system as 'the' standard

Why do we need RIDE ?!?

- We want to be able to find data in Internet registries regardless what underlying techniques are used and regardless where the data is stored
  - Trend: more routing registries, more local (and may be regional) IP registries, more TLD registries
    .
  - We cannot and could not require registries to use specific systems to maintain their data, we can ask (require?) to also publish their data in a RIDE compliant way.
    (r)whois(++) can support their native formats AND access other databases that use other formats as long as they are willing to also publish their data RIDE compliant

RIDE

(Registry Information Database Exchange formats)

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