Classless

- Queries

Classless	192.87.45.0/24		
	192.87.228.0/23		
	128.141.0.0/16		
	193.0.0.132/32		
Old style	192.87.45	→	192.87.45.0/32
	128.141	→	128.141.0.0/32
	193.0.0.0	→	193.0.0.0/32
Also	128.141/16	→	128.141.0.0/16
	192.87.45/24	→	192.87.45.0/24
Careful!	192.87.45.0/8	→	192.0.0.0/8

ie, length takes precedence

Classless

- Classless reponses
  - Blocks delegated to IRs will also be inserted in the database (193.1/16, 193.2/16, ...)
  - Blocks delegated from IANA to NCC also in database (193/8, 194/8, ...)
  - *Exact* or first *less* specific match

```
193.0.0.132/32 prob. gives object 193.0.0.0
128.141.0.0/16 prob. gives object 128.141.0.0
```

  - Options available to ask *all less* specific matches, *direct more* specific matches, and *all more* specific matches

This means any network number will appear more than once in the database

Classless

- inetnum: attribute
  - No changes
  - Classful nets and ranges are converted internally only
  - Needs a syntax for classless range
  - Conversion support (ripe-clarep)

Other features/changes

- Database no longer one big file, every object type has its own database/index (invisible to you)
- Authorisation (dfk)
- Additional options:
  - template mode: -t <object-type>
  - type selection: -T <object-type>
  - fast'n'raw: -F
  - non-recursive: -r
  - no ripe-81++ "syntactical sugar": -S
  - and a few others
  - new client available soon

Status

- running beta at NCC
  - still making many many changes (ripe-81++, authorisation, etc)
  - currently around 9000 lines Perl ...
- sample whois server running on `rijp.ripe.net`
  - supports all new features
  - regularly “synced” with real database
  - loads of test data (routes, maintainers, inet-rtr, ...)
  - please try it to spot any problems
- cutover date estimated at early October, more details in transition presentation