1. DOIs from ivoids using voidoi

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- ivoid vs. DOI
- Get a DOI
- The landing page
- VOResource to DataCite in XSLT

2. ivoid vs DOI

If you're running a VO service, you already have an identifier: Your IVOID:

ivo:// org.gavo.dc /arigfh/katkat/q
Authority

This *can* be resolved (e.g., by prepending http://dc.g-vo.org/I/), but

- Because even astronomers generally don't *know* that, that's not useful for citations
- Because it contains the publisher's authority, it will change when the resource moves
- No provisions are made for when the publisher goes belly-up

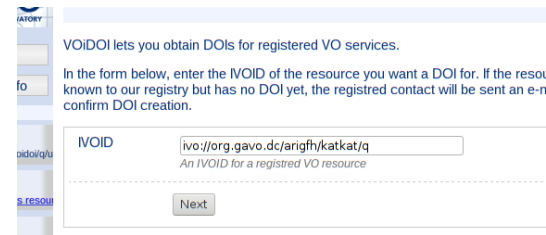DOIs fix all this, and hence if we want people to cite VO resources, we better give them DOIs.

Fig. 1

Fig. 2

3. From VOR to DOI

If you have a properly registered service, it's easy to get a DOI:

http://dc.g-vo.org/voidoi/q/ui

Technically, it's a DOI for the registry record – but we don't tell RRs and services apart in the VO.

So, enter the URI of your registry record (your ivoid):

(cf. Fig. 1)

This will validate the resource record and complain if there's something wrong with it. If all is well, it will send a mail to the contact person given in the registry record.

4. You Got Mail

(cf. Fig. 2)

DOI minting is a serious business! At least conceptually, it will always have to resolve to something. In the worst case, that can be an apology that one messed it up, but it clearly would be a lot better if it didn't came to that. So: think twice before minting DOIs.
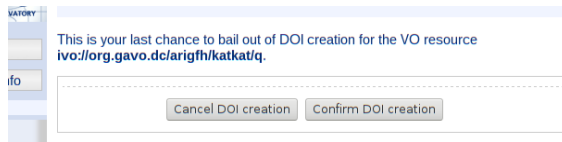
Fig. 3

Fig. 4

5. Mint the DOI

(cf. Fig. 3)

(cf. Fig. 4)

6. Your Landing Page

An important part of the DOI system is that, from now on,

http://dx.doi.org/10.21938/8ndTne3ode_RC4dOw3oAsQ

should end up on a page that either

- points you to ways to use the resource or
- tells you what happened to it ("tombstone")

For the latter use case: VOResource has the *Continues* relationship that hopefully will let us create forwards. . .

7. Reuse, Contribute

If you have VOResource metadata and need to build DOI records and landing pages *without* voidoi, don't miss

https://github.com/ivoa/vor-doi

– it has almost all the XSL you'll need for that.

Thanks!