WEIRDS A Status Update

Olaf M. Kolkman olaf@NLnetLabs



a status update





RFC 812

Connect to the service host

TCP: service port 43 decimal

NCP: ICP to socket 43 decimal, establishing two 8-bit connections

Send a single "command line", ending with <CRLF>.

Receive information in response to the command line. The

server closes its connections as soon as the output is

finished.

in other words:

ask a single question
you receive one free-form answer

Updated by
RFC 3912

(but still the same)

Example

names \$ whois -h whois.sidn.nl nlnetlabs.nl Domain name: nlnetlabs.nl Status: active WoH context dependent Registrar: query Prolocation B.V. numbers Populierlaan 3B 2282KX RIJSWIJK ZH Netherlands DNSSEC: Domain nameservers: ns3.domain-registry.nl open.nlnetlabs.nl open.nlnetlabs.nl 213.154.224.1 omval.tednet.nl Record maintained by: NL Domain Registry Copyright notice No part of this publication may be reproduced, published, stored in a registration data retrieval system, or transmitted, in any form or by any means, electronic, mechanical, recording, or otherwise, without prior permission of the Foundation for Internet Domain Registration in the What: Policy and context Netherlands (SIDN). These restrictions apply equally to registrars, except in that reproductions and publications are permitted insofar as they are reasonable, necessary and solely in the context of the registration dependent activities referred to in the General Terms and Conditions for .nl Registrars.

Any use of this material for advertising, targeting commercial offers or similar activities is explicitly forbidden and liable to result in legal action. Anyone who is aware or suspects that such activities are taking place is asked to inform the Foundation for Internet Domain Registration

(c) The Foundation for Internet Domain Registration in the Netherlands (SIDN) Dutch Copyright Act, protection of authors' rights (Section 10,

in the Netherlands.

subsection 1, clause 1).



No differential service

Law enforcement vs General public

Not internationalized

奥拉夫 科尔克门

No structured response syntax

Automation difficult

Not standard redirection capability

Except 'RWHOIS' with RIRs

For more specific information: go elsewhere

No Bootstrap

Where should I ask anyway

What and How

How: the method of data delivery

Protocol



the content of the data

Policy

Community

RIRS CCTLOS

ICANN local



- WEIRDS WG chartered to deliver a protocol that supports:
 - Internationalization
 - A specific reply syntax
 - Redirection
 - Authentication (allowing differential service)
 - Over HTTP
 - <u>Same</u> mechanism for names vs. numbers
 - No special client knowledge



With a 'core What' that can be extended



RESTful?

- Representational State TransFer
 - GET, PUT, POST, DELETE
 - Resources represented by URIs
- On top of HTTP it provides you readily available libraries to do things like

http://whois.example.com/ip/192.0.2.0/operator/contacts/abuse or

http://whois.example.net/domain/example.com/contacts/registrants

Deliverables

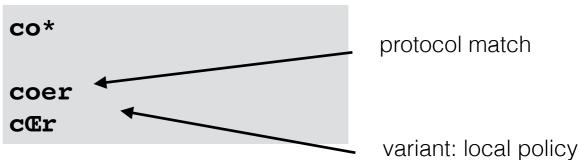
the current plan

DUE	DELIVERABLE
Done	draft-ietf-weirds-using-http
Done	draft-ietf-weirds-rdap-sec
Jan 2014	draft-ietf-weirds-rdap-query
Jan 2014	draft-ietf-weirds-json-response
Jan 2014	draft-ietf-weirds-redirects
Jan 2013	draft-ietf-weirds-object-inventory
Feb 2014	Draft describing bootstrapping protocol

Major Issues 1

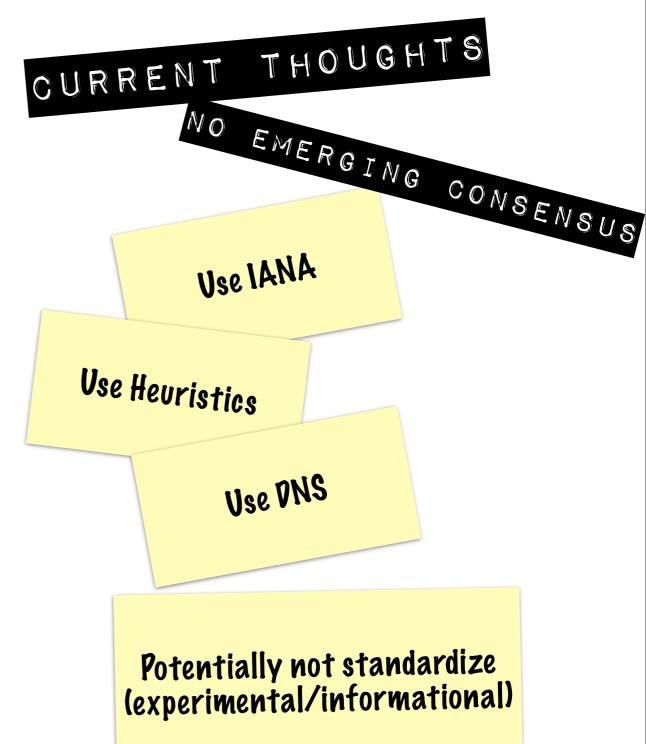
- Search
 - Search patterns
 - I18N issues related to string comparison
 - Boolean logic, paging, and other features.





Major Issues 2

- Bootstrapping
 - Names or Numbers
 - Other Entities
 - Scraping or Querying



Minor Issues

Redirect

Pepends on bootstrap

Being Restful

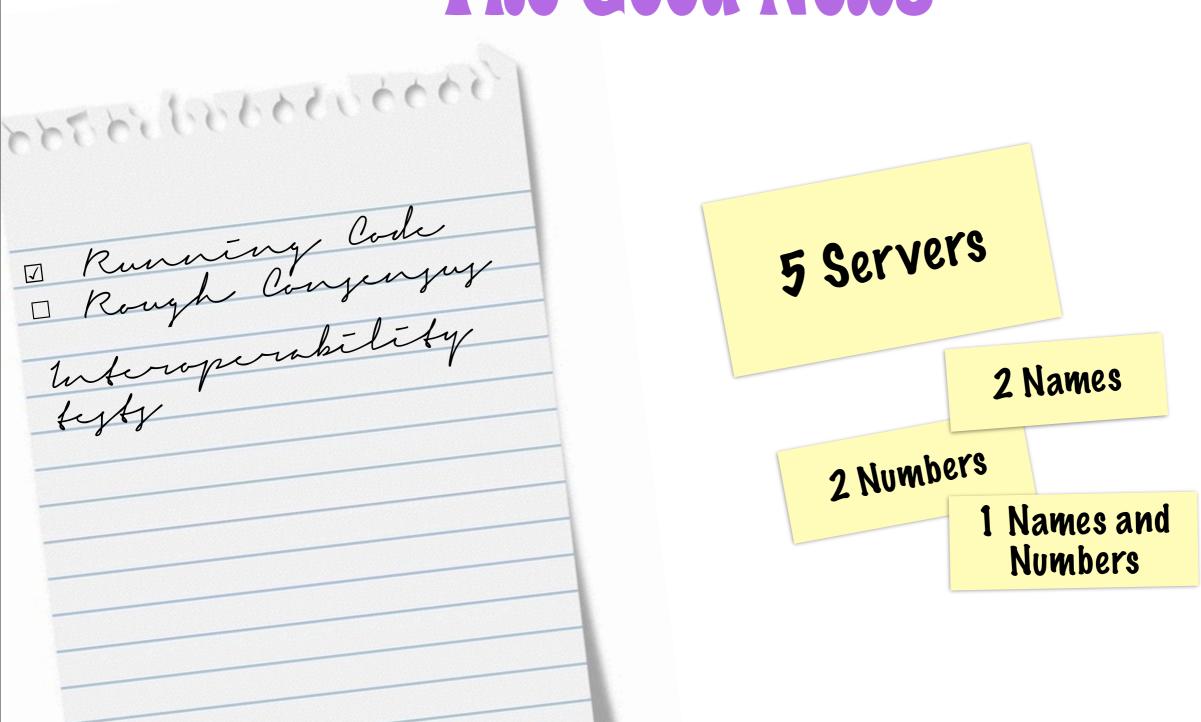
Well- Known URI

URI - Template

Object Inventory

Complete?

The Good News



Coordinates

- http://tools.ietf.org/wg/weirds
- General Discussion: weirds@ietf.org
 - To Subscribe: https://www.ietf.org/mailman/listinfo/weirds
 - Archive: http://www.ietf.org/mail-archive/web/weirds/
 - Specifics: https://datatracker.ietf.org/meeting/88/materials.html