RSSAC002 Web API & Charts

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Overview

- A personal project I have been working on for roughly 2 months
- Consists of two parts
  - RSSAC002 Web API
  - Website hosting charts that use the API
- Everything is open source
- Many thanks for the feedback I've gotten so far
  - Fred Baker, Ray Bellis, Paul Hoffman, Brad Verd, Duane Wessels
- Links to everything and questions at the end

RSSAC002 Web API

- HTTP interface to RSSAC002 data
- Returns JSON formatted data
- Uses data from the RSSAC Caucus RSSAC002 Git repo
  - https://github.com/rssac-caucus/RSSAC002-data
- Written in PHP
- Begins at 2017-01-01
- Daily crontab
  - git pull
  - Parse all files
  - Serialize PHP data structures to disk
- Calls to API read serialized data structures from disk and then serve it

RSSAC002 Web API Interfaces

- Common arguments across all interfaces
  - RSI -> takes list of RSIs (e.g., a-m)
  - start_date -> YYYY-MM-DD
  - end_date -> YYYY-MM-DD
- Interfaces
  - api/v1/load-time
  - api/v1/rcode-volume
  - api/v1/traffic-volume
  - api/v1/unique-sources
  - api/v1/udp-request-sizes
  - api/v1/udp-response-sizes
  - api/v1/tcp-request-sizes
  - api/v1/tcp-response-sizes

RSSAC002 Charts

- Interactive javascript charts
- Uses the RSSAC Web API for data
- Charts generated on-the-fly (AJAX)
- All charts can be manipulated in the browser
- Mostly time-series with some exceptions
- Charts data from 2017-01-01 to -14 days
- Uses highcharts.com charting library

Demo

Now what?

- This is currently a personal project of mine
- Does the RSSAC Caucus wish to see ICANN Org host this project on behalf of the RSSAC?
- All Feedback is welcome!

- http://rssac002.depht.com/
- https://github.com/smutt/rssac002-web-api
- https://github.com/smutt/rssac002-charts