

Populating IX Participant Data from PeeringDB

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Problem

- ➔ IX participants change regularly, ideally you're growing!
- ➔ Syncing:
 - actual participants on the fabric
 - IPAM data
 - PeeringDB facilitating peering
- ➔ Solution: glue together these sources to generate a list that automatically updates as participants are turned up

Peering DB <https://beta.peeringdb.com/asn/7342>

IPv4 206.108.236.48

IPv6

▶ Outscale <http://www.outscale.com> 53302 Open

▶ SELCO <http://www.townisp.com> 26292 Open

▶ Routed.org 61126 Open

▼ Hurricane Electric <http://he.net> 6939 Open

Peering Contact

Policy Link <http://he.net/peering.html>

Peering DB <https://beta.peeringdb.com/asn/6939>

IPv4 206.108.236.30

IPv6 2001:504:24:1:0:0:1B1B:1

▶ G4 Communications <http://www.G4communications.com/> 10367 Open

▶ TierPoint-NewYork <http://www.xand.com> 11383 Open

▶ Markley Cloud Services <http://www.markleycloud.com> 26167 Open

▶ Cambridge Bandwidth Consortium <http://www.cambridge.bandwidth-consortium.us/> 10255 Open

▼ Akamai Technologies <http://www.akamai.com/> 20940 Open

Peering Contact

Policy Link

Peering DB <https://beta.peeringdb.com/asn/20940>

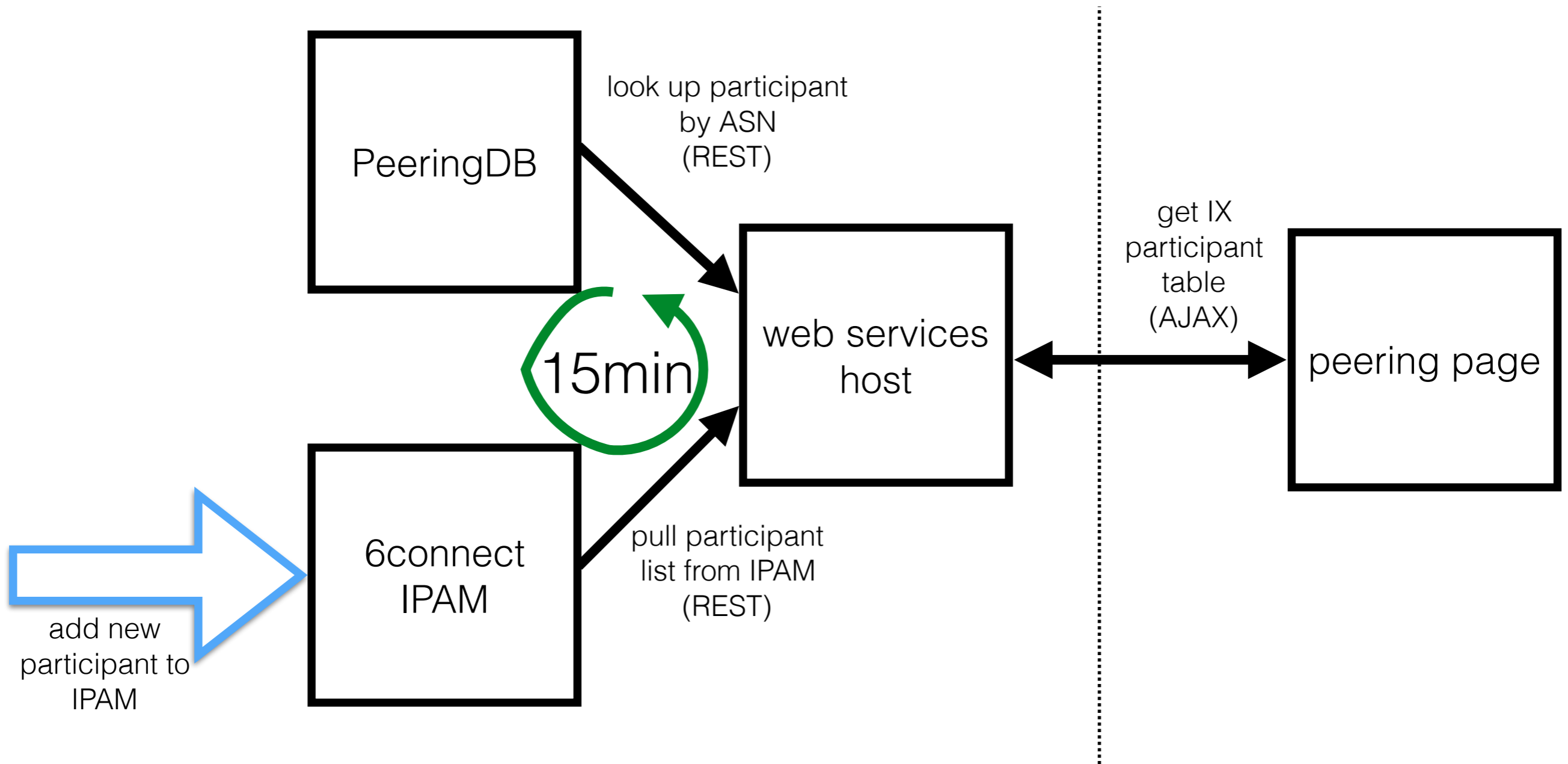
IPv4 206.108.236.2

IPv6 2001:504:24:1:0:0:51CC:1

▶ TierPoint-NewEngland <http://www.tierpoint.com> 17113 Open

Markley Peering Page

Gluing Together Sources



PeeringDB Query

```
require LWP::UserAgent ;
use HTTP::Status qw( :constants :is status_message );

use JSON

...

my $apiURL = pdbASURL( asn => $parms{asn},
                      beta => TRUE,
                      api => TRUE
                    );

if( ! $apiURL->{httpResponse}->is_success )
{
    return { notListed => "not in PeeringDB" } ;
}

my $ua = LWP::UserAgent->new ;
$ua->timeout( 10 );

my $pdbJSON = $ua->get( $apiURL->{pdbURL} ) ;

my $jsonParser = JSON->new->utf8->pretty(1) ;

my ($rp, $characters) =
    $jsonParser->decode_prefix( $pdbJSON->decoded_content ) ;
```

Summary

- Simple in concept
- To fully automate, the code is important, but need
 - consistent processes for updating IPAM
 - encourage participants to fill PeeringDB
- Note contact info *is not* listed
- Sanctioned modules/packages in `$favoriteLang` for interacting with PeeringDB?