Getting to an Automated whois - daily capture of add/drop (based on switch from icann_tld / whois_active)
1. reconcile server list with all delegated tlds – complete for 145 TLDs, mostly donuts
2. process existing records into whois tables (When we go to process whois files to date, will we process by oldest to newest?)
        - start with donuts, then down the list of RSP.
3. compare SLDs in zone with WHOIS records with Domain Status of "Registered", Fetch deltas
4. enable automation of add/drop files to alpha (exclude 0kb files)
5. enable daily cron to process add/drops based on whois_active
6. continue recon of new TLDs and add to automation post entry checks.

Monthly cycle:
-Compare SLDs in zone with WHOIS records with Domain Status of "Registered", Fetch deltas
-Create reporting

Future:
When caught up, begin to acquire legacy TLD whois from least to greatest (exclude com, net, org, biz, us)

Unique SLDs
Changing
NameServers
whois_active

Manual Bulk Files
(add, drop, csv)

Watch lists

A

Whois_active
(<> 0kb)

Auto Drop Files

Auto Add Files

Web page
Single entry
tldwatch.com

WHOIS
Funnel

Process WHOIS
requests

Import WHOIS
records into
tldwatch_db on
alpha

Process all active
WHOIS records
searching by
DOMAIN STATUS

Refer to spreadsheet for stats:
how many active unique names in whois by TLD?
unique names count by status
unique names count by create date
unique names count by expire date
unique names by autorenew <---as we find these they get on watch list
        unique names by autorenew, by create date
List of unique names by Registrant, Registrar, IANA ID, State, Country, email
calculate unique names with registration status with avg reg years (expire date - create date)

Need to Define
All Logic Here
1) Chg in Expired
Date
2)
3) Measure
Expire Date from
Create Date

autoRenewPeriod
pendingRenew
redemptionPeriod
pendingDelete
pendingRestore
renewPeriod

If found, add
to Expire
Watchlist

A

No

Was there a
CHG to
UPDATED
DATE?

Yes

Log SLD w/
DOMAIN STATUS
= New DOMAIN
STATUS Code

Was there a
CHG to
REGISTRATIO
N STATUS?

No

A

No

SLD
Renewed?

Yes

SLD Renewed
w/ Same
Registrant?

No

Log SLD as being
"Change of
Registrant"

No

Yes

SLD Renewed
w/ Same
Registrar?

Yes

Log SLD as being
"Change of
Registrar"

Yes

Log SLD as being
"NOT
REGISTERED" or
"UNDETERMINED

Monitor SLD for
Additional Week to
Determine if
Renewed

No

No

pendingTransfer
transferPeriod

If found, add
to Transfer
Watchlist

Yes

Assign Weekly
Fetch & Process
WHOIS of SLDs
(time adjustable)

A

No

Was there a
CHG to
UPDATED
DATE?

Yes

Log SLD w/
DOMAIN STATUS
= New DOMAIN
STATUS Code

SLD Renewed
w/ Same
Registrant?

No

Log SLD as being
"Change of
Registrant"

No

Yes

SLD Renewed
w/ Same
Registrar?

Yes

Log SLD as being
"Change of
Registrar"

No

Method to enter
new DOMAIN
STATUS codes
as varibles

addPeriod
clientHold
clientTransferProhibited
clientDeleteProhibited
clientUpdateProhibited
clientRenewProhibited
inactive
serverDeleteProhibited
serverHold
serverRenewProhibited
serverTransferProhibite
d
serverUpdateProhibited
ok
pendingCreate
pendingUpdate

If found, add
to General
Reporting

Yes

After import into
dB,

PLACEHOLDER

No

Was there a
CHG to
UPDATED
DATE?

Yes

Log SLD w/
DOMAIN STATUS
= New DOMAIN
STATUS Code

Remove SLD from
Watchlist

END

No

No