.VE Data Cleanup

Oct 19th, 2015
Eng. Rumary Ricaute
Topics

- .ve Timeline.
- .ve Structure.
- Main Processes.
- Migration and Updates.
- Statistics.
- Results of effort.
ICANN delegates the .ve

ICANN delegates the .ve

1991

Creating NIC.ve

1998

Process Automation of .ve domains registration

1998

Starting the transfer NIC.ve to The Regulator

2005

Virus attack leaves a record of more than 40,000 domains

2008

NIC.ve finally becomes part of CONATEL, without the Domain Release Process

2009

Implementation of replica with Anycast

2012

Implementation of a new replica

2015

Reopening of the WHOIS service through the 43 port

2015

Studies and tests for the new release process

2015

Start of the new Sys Admins of .ve

2015

.ve dropped by deficiencies in hardware
.ve Structure

Distribution of DNS Replicas of .ve

Domains Extensions .ve

<table>
<thead>
<tr>
<th>Comercial Extensions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>.com.ve</td>
<td>228524</td>
</tr>
<tr>
<td>.net.ve</td>
<td>24884</td>
</tr>
<tr>
<td>.co.ve</td>
<td>21788</td>
</tr>
<tr>
<td>.org.ve</td>
<td>20612</td>
</tr>
<tr>
<td>.info.ve</td>
<td>10233</td>
</tr>
<tr>
<td>.web.ve</td>
<td>10047</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Special Extensions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>.gob.ve</td>
<td>2005</td>
</tr>
<tr>
<td>.edu.ve</td>
<td>471</td>
</tr>
<tr>
<td>.mil.ve</td>
<td>147</td>
</tr>
<tr>
<td>.tec.ve</td>
<td>56</td>
</tr>
</tbody>
</table>

Others Extensions 1490
Main Processes

Billing DB

Domains DB

www.nic.ve

Users

Mail Server

Zone files
Migration and Updates

.ve Platform Migration

(Debian 3.1 - Sarge)

- .ve Zone File
- Openreg
- Domains DB

Master Server

Openreg (Debian 3.1 - Sarge)

- .ve Zone Replication
- Domains DB

Shared Registration System

Whois - NIC.VE

Whois - NIC.VE
Migration and Updates

Cleaning Domains Database

Running Project of National Plan for .ve Domain Names
Migration and Updates

Domains Name Release

.com  .gob  .edu  .tec  .mil
.co  .info  .net  .org  .web
.comuna

.arts (149)  .int (33)  .nom (56)  .rec (125)
.store (129)  .e12 (92)  .coop (1)
.gov (742)  .firm (138)


Total of domains (09/30/15) = 319,288
Statistics (Expected)

.ve domains with Release Processes

- w41
- w42
- w43
- w44
- w45
- w46
- w47

Registered
Sum

- Red: Registered
- Blue: Sum
Statistics (Expected)

<table>
<thead>
<tr>
<th>Week No</th>
<th>Domain Names Released</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>41,400</td>
</tr>
<tr>
<td>43</td>
<td>82,800</td>
</tr>
<tr>
<td>44</td>
<td>124,200</td>
</tr>
<tr>
<td>45</td>
<td>165,600</td>
</tr>
<tr>
<td>46</td>
<td>230,000</td>
</tr>
</tbody>
</table>

Time Ratio

- **It Uses**: 6 sec/dom
- **With rate**: 69 weekly hours
- **For**: 230,000 domains
- **Total of**: 5 – 6 weeks
- **41,400 domains**
Results of effort

Improvements obtained in .ve platform, about:

- Availability.
- Reliability.
- Efficiency.
- Security.

From 59% to 98% availability
(https://www.nic.ve)

More of 20% of reliability
Planned improvements in .ve platform, about:

- Veracity information .ve.
- Reducing response times of our processes