Afilias Response to Bortzmeyer Comments

Part 2, Section 5

Appendix C.4, Name server Functional Specifications

The first paragraph of this section should read:

Afilias meets the absolute specifications for Appendix C.4 in Name Server Functional Specifications. In addition, it exceeds the specifications for Appendix C.4 in the following manner:

· Implementation of a more expansive set of RFCs than in the current .NET registry agreement

· Implementation of IPv4 and IPv6 records for the .NET TLD

· Significant improvement on current SLAs (.NET Appendix D), guaranteeing 99.999% network availability

Appendix D, Performance Specifications

The chart in this section should be formatted as follows:

4.2 Service Definition and Service Level Requirement

Service Attribute	Unit of Measure	Commitment
DNS service availability from each nameserver, minimum	percentage uptime	99.93%
DNS service availability from any nameserver (i.e. at least one nameserver available), minimum	percentage uptime	99.999%
DNS query response rate for all nameservers combined, minimum absolute	queries/sec	minimum 10,000
DNS query response rate each nameserver, minimum	% of measured load (busiest hour averaged over one month) on most loaded server	300% (see RFC 2780 sec. 2.3)
Cross-network nameserver round-trip time, maximum	milliseconds	300

Cross-network nameserver packet loss, maximum	percentage	<10%
DNS update interval, maximum	minutes	15
SRS service availability, minimum	percentage uptime	99.45%
SRS processing time, maximum for query operations	milliseconds	400ms
SRS processing time, maximum for write operations	milliseconds	800ms
SRS service planned outage duration, maximum	hours/month	8 hours/month (includes Whois)
SRS service planned outage timeframe	days and hours	15:00-23:00 UTC Saturday
SRS service planned outage notification, minimum	days	7 days
SRS service extended planned outage duration, maximum	hours/quarter	0 hours (Planned Outage Time can be used as Extended Planned Outage Time; the total planned outage time per period is the sum of Planned Outage and Extended Planned Outage
SRS service extended planned outage timeframe	days and hours	15:00-23:00 UTC Saturday
Whois service availability, minimum	percentage uptime	99.45%
Whois query processing time, maximum	milliseconds	800 ms
Whois update interval, maximum	minutes	15
Whois service planned outage duration, maximum	hours/month	8 hrs/month (includes SRS)
Whois service planned outage timeframe	days and hours	15:00-23:00 UTC Saturday
Whois service planned outage notification, minimum	days	7 days

Section 5 (b) (i)

```
... V. Hardware Architecture

    A. Afilias' system …
```

The second bullet point following the first paragraph of this section should read:

```
· Afilias' registry facilities/services are operated in a minimum of
two geographic locations, currently operating in more than two
locations, allowing for redundancy and fault tolerance.
```

The seventh bullet point following the first paragraph of this section should read:

```
Afilias operates several database servers to provide redundancy.    The
primary registry facility houses multiple database servers, one being the main
database and the others being secondary databases. The standby registry
facility houses multiple database servers, which are constantly synchronized
with the primary registry.  The database servers are replicated.
```

Section 5 (b) (xi)

```
...  III. Data Formats
```

The second paragraph of this section should be deleted.

Part 2, Section 8

C. The Protocol Transition, Protocol Transition Schedule

The first paragraph of this section should read:

```
Because registrars have the flexibility to operate in either RRP or EPP "thin"
mode at this stage, there is no need for a "Protocol Transition Flag Day".
However, it is important to outline the steps required by the registrar that
currently does not register names for the .NET zone, and wishes to move to
EPP.  These steps are handled on a per-registrar basis, and will vary in times
based on the success to the registrar's code tests.
```