Attachment

Question 26 WHOIS

Item	Requirement	Compliance
1	WHOIS service and format	TWNIC will follow RFC 3912 to provide port 43 WHOIS service, the output format will follow Specifications 4 session 1.1-1.7
2	Searchability	TWNIC will provide a web based WHOIS service with partial match, exact-match and Boolean search capabilities which is defined in Specifications 4 session 1.8
3	RDDS availability	Specifications 10 session 4.1
4	RRDS query RTT	Specifications 10 session 4.2-4.4
5	RRDS update time.	Specifications 10 session 4.5

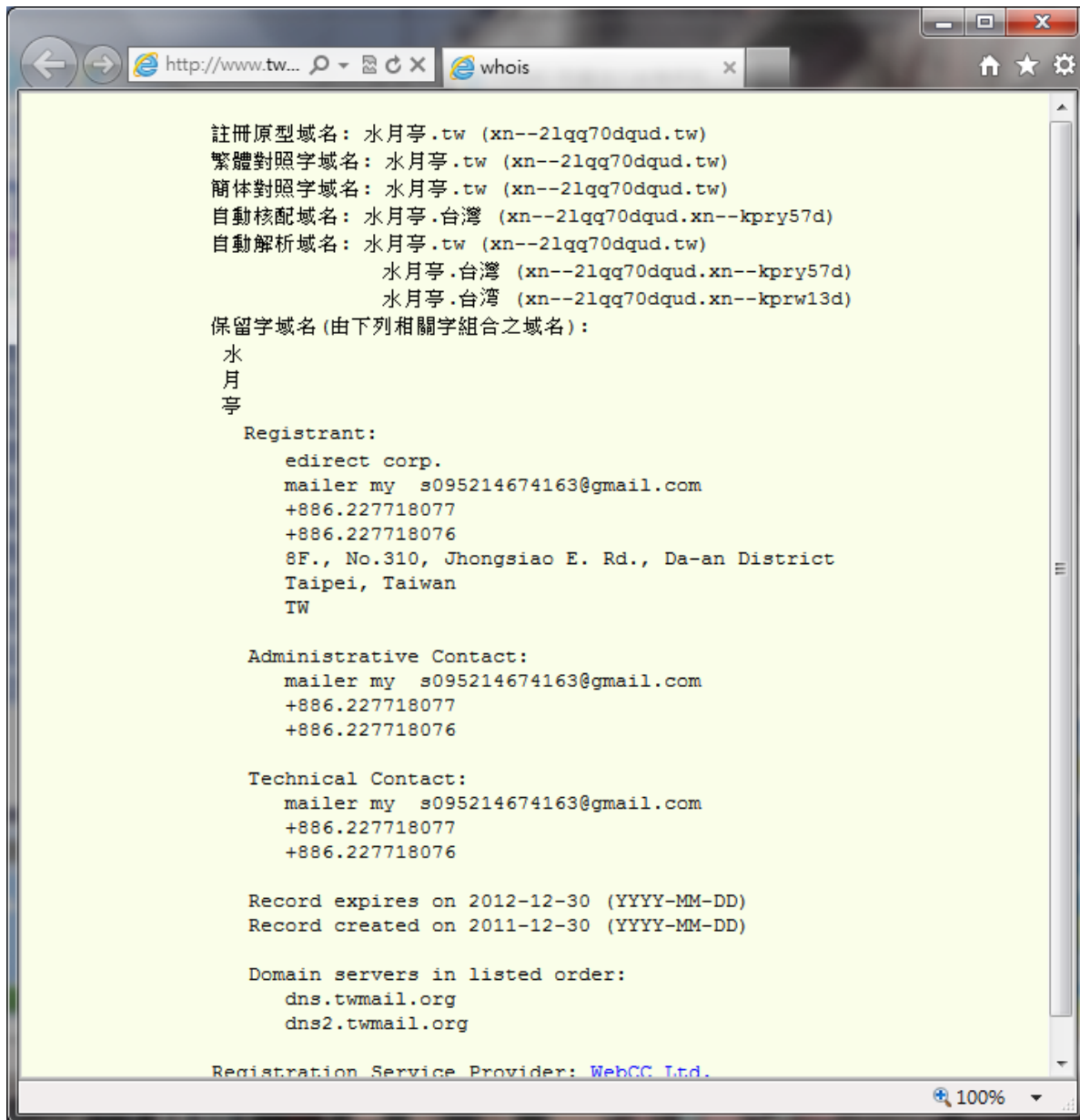Table 26-1: Compliance with Specifications in Registry Agreement and RFC
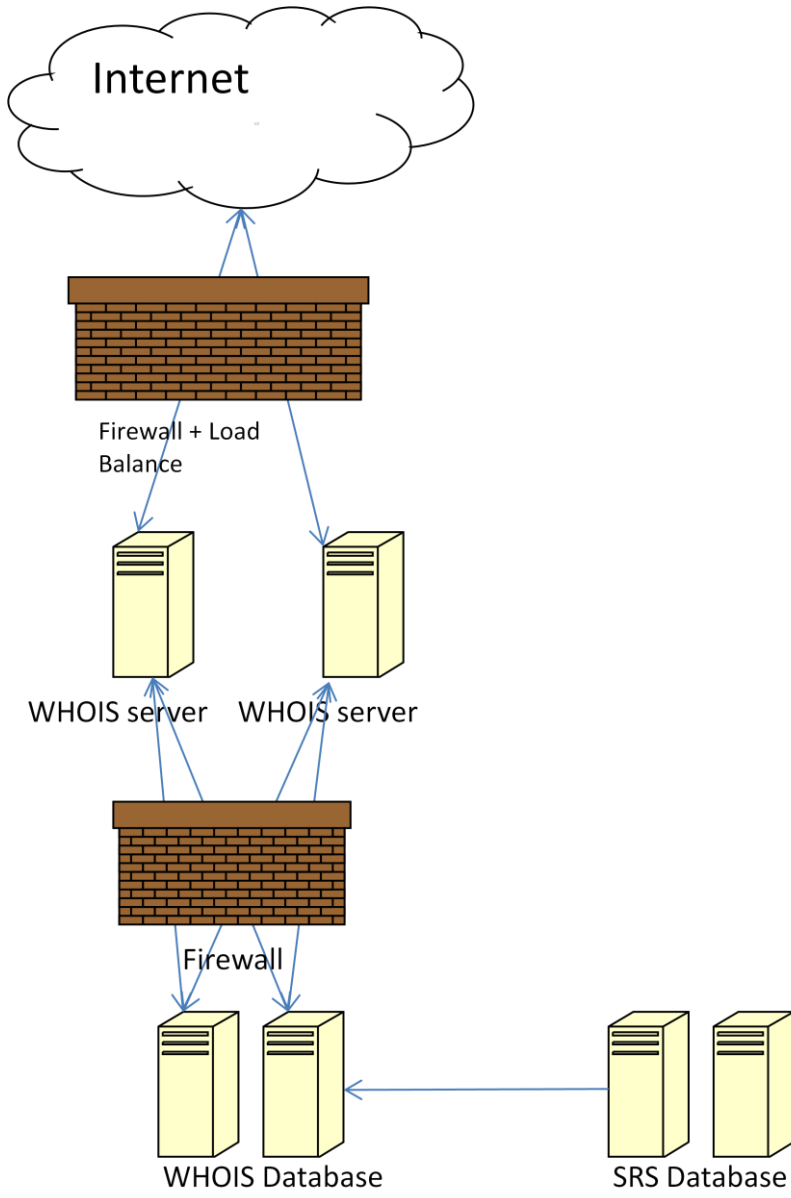
Figure 26-1 WHOIS Output

Internet

Firewall + Load
Balance

WHOIS server   WHOIS server

Firewall

WHOIS Database   SRS Database

Figure 26-2 WHOIS Network Diagram

Attack Type	Prevention
Try ssh password	Firewall and VPN access control
SQL injection / CMD injection	Install Apache WAF(Web Application Firewall)
Service Exploits	OS Security update
XSS	Install Apache WAF(Web Application Firewall)

Table 26-2 Attack and Prevention

Item	Position	Job Description	No. of Employees
Initial Implementation	Administrator	Take responsibility for the implementation and personnel arrangement	1
	Development/Engineering	Work on the implementation	2
	Database Administration	Design DB schema	2
	Systems Administration	Install OS and Service	2
	Network Engineering	Work on the implementation	2
Ongoing Maintenance	Administrator	Take responsibility for personnel arrangement to the ongoing maintenance	1
	Development/Engineering	Work on the ongoing maintenance and bug fix	2
	Database Administration	Work on the ongoing maintenance	2
	Systems Administration	Work on the ongoing maintenance	1
	Network Engineering	Work on the ongoing maintenance	2

Table 26-3 Resourcing Plans