

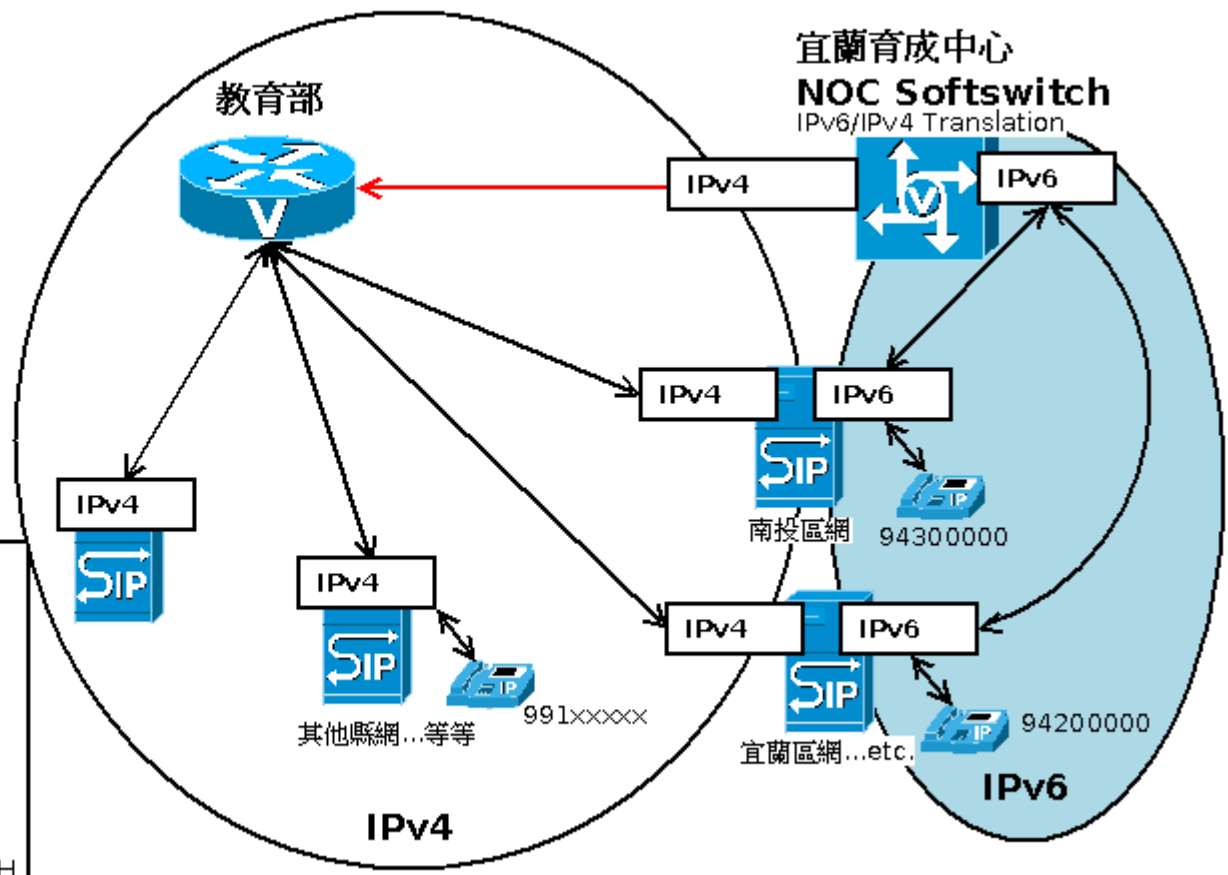
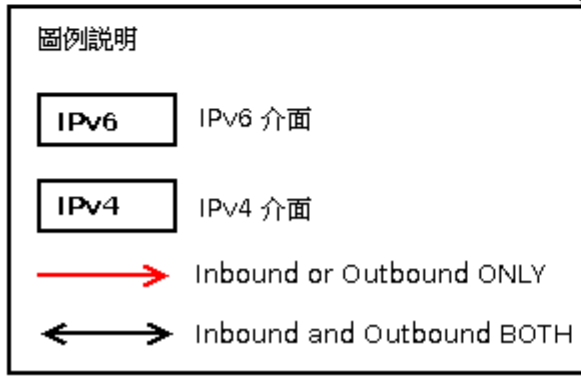
TANet 區網中心維運報告



世 | 界 | 通 | 網 | 路 | 資 | 訊

區網連線架構圖

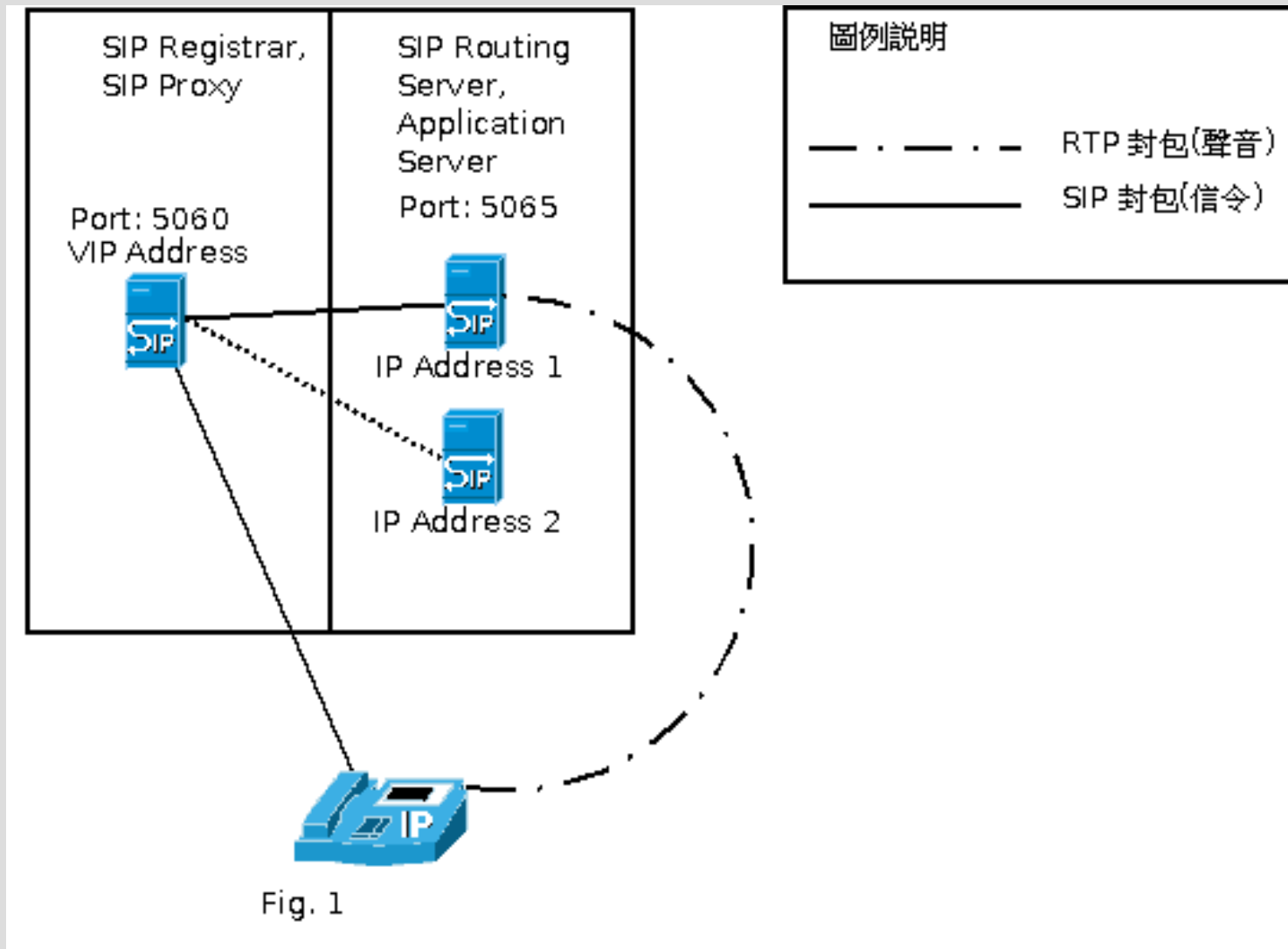
區網中心 IPv6/IPv4 連線架構圖



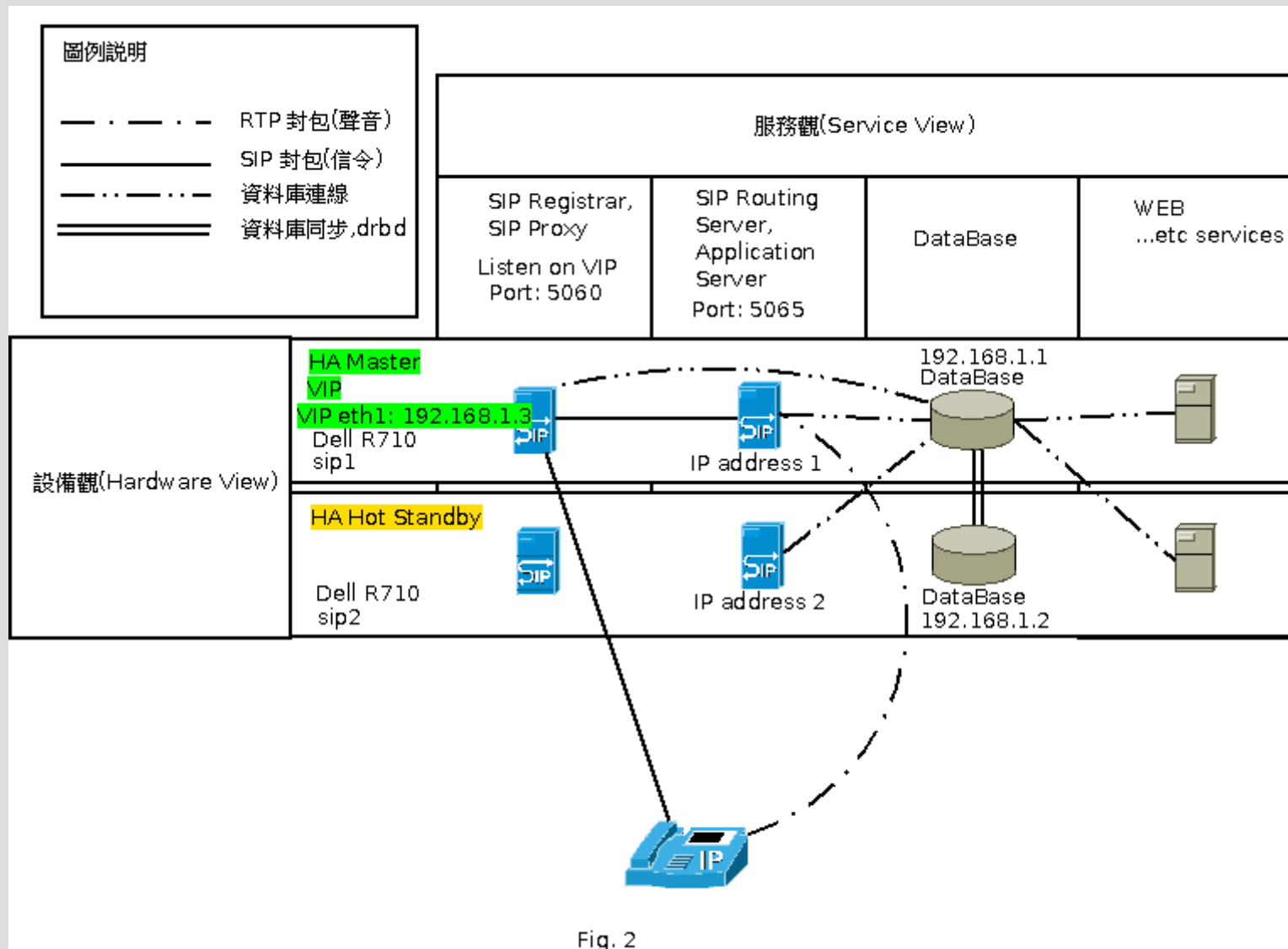
IPv6/IPv4連接現況

連線單位	IPv6	IPv4
宜蘭區網	已界接NOCv6	已界接MOE
台北區網2	處理中...	已界接MOE
桃園區網	已界接NOCv6	已界接MOE
新竹區網	已界接NOCv6	已界接MOE
竹苗區網	已界接NOCv6...	已界接MOE
南投區網	已界接NOCv6	已界接MOE
雲嘉區網	已界接NOCv6	已界接MOE
台南區網	已界接NOCv6	已界接MOE
高屏澎區網	已界接NOCv6	已界接MOE
花蓮區網	已界接NOCv6	已界接MOE
台東區網	已界接NOCv6	已界接MOE

SIP Server 系統架構圖(1/2)



SIP Server系統架構圖(2/2)



監測系統



移動視窗

Current Network Status
Last Updated: Wed Nov 10 10:28:48 CST 2010
Updated every 90 seconds
Nagios® Core™ 3.2.2 - www.nagios.org
Logged in as guest

Host Status Totals

Up	Down	Unreachable	Pending	Ok	War
13	0	0	0	30	

[All Problems](#) [All Types](#)

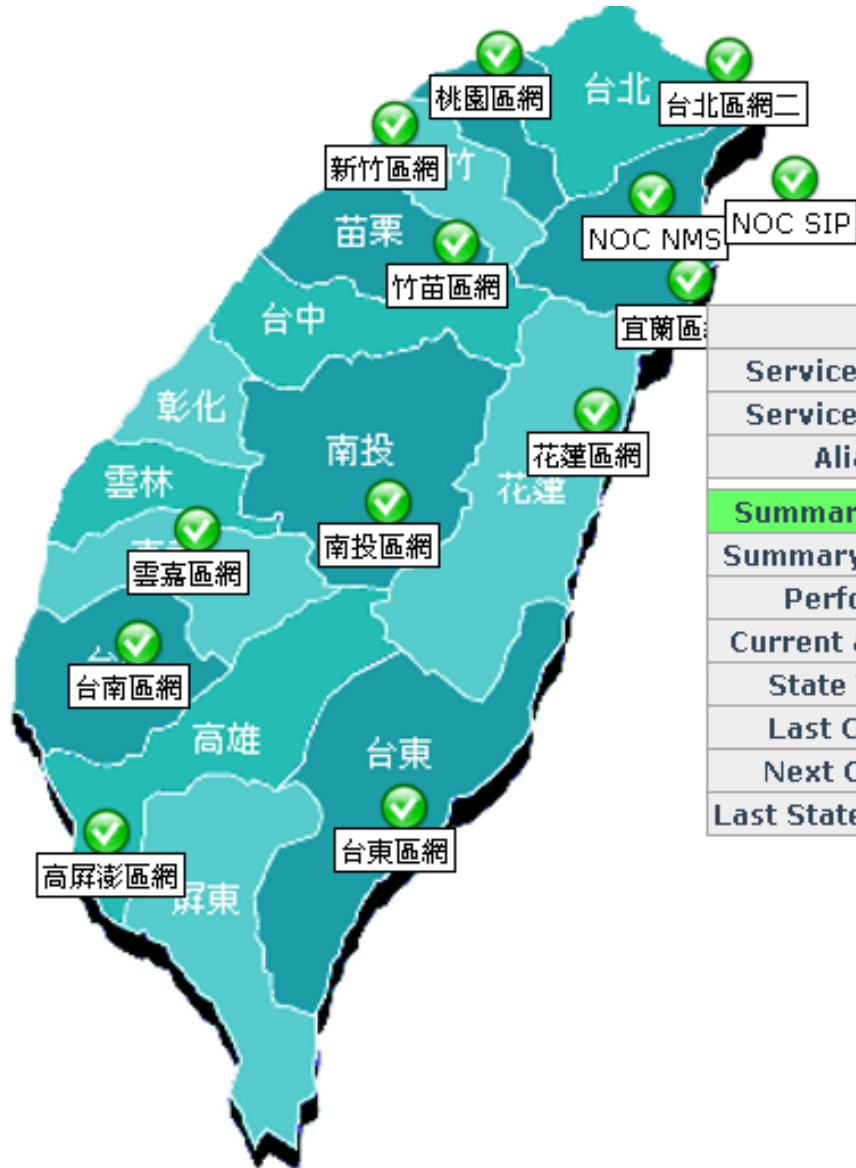
0	13
---	----

[View History For all hosts](#)
[View Notifications For All Hosts](#)
[View Host Status Detail For All Hosts](#)

Service Status Details For All Hosts

Host ↑↓ Service ↑↓ Status ↑↓ Last Check ↑↓

系統連線狀態



移動視窗

Service Information
 Last Updated: Wed Nov 10 10:31:02 CST 2010
 Updated every 90

Service (Last state refresh: 2010-11-10 10:31:29)	
Service Name	sip.ilrc.edu.tw
Service Name	SIP
Alias	sip.ilrc.edu.tw
Summary State	OK
Summary Output	SIP/2.0 200 OK, 0.002431 seconds response time, cnt=1
Perfdata	rtt=0.002431s;cnt=1;0.5s;1s;0:10; code=200
Current attempt	1/2
State Type	HARD
Last Check	2010-11-10 10:30:32
Next Check	2010-11-10 10:31:32
Last State Change	2010-11-08 11:19:28

[Service](#)
[View Availability](#)
[Report For This Service](#)
[View Notifications For This Service](#)

Service State Information

Current Status: **OK** (for 1d 23h 11m 34s)

服務狀態資訊

Service State Information

Current Status:	OK (for 1d 23h 12m 59s)
Status Information:	SIP/2.0 200 OK, 0.002517 seconds response time, cnt=1
Performance Data:	rtt=0.002517s;cnt=1;0.5s;1s;0:10; code=200
Current Attempt:	1/2 (HARD state)
Last Check Time:	11-10-2010 10:31:32
Check Type:	ACTIVE
Check Latency / Duration:	0.054 / 0.414 seconds
Next Scheduled Check:	11-10-2010 10:32:32
Last State Change:	11-08-2010 11:19:28
Last Notification:	N/A (notification 0)
Is This Service Flapping?	NO (0.00% state change)
In Scheduled Downtime?	NO
Last Update:	11-10-2010 10:32:26 (0d 0h 0m 1s ago)

資訊欄位說明(1/2)

- Current Status
 - OK
 - WARNING
 - UNKNOWN
 - CRITICAL
 - Undetermined
- Status Information
 - SIP/2.0 200 OK, 0.008847 seconds response time, cnt=1
 - SIP/2.0 482 Request merged, 11.510567 seconds response time, cnt=6
- Performance Data
 - rtt=0.002367s;cnt=1;0.5s;1s;0:10; code=200
 - rtt – Round-Trip delay Time
 - cnt – 重傳(retransmission)次數
 - code – SIP 回應代碼(response code)



資訊欄位說明(2/2)

- **Current Attempt (嘗試測試次數)**
 - 1/2 attempt – 表示最大嘗試次數2次，目前嘗試次數1次
 - 當達到最大嘗試次數時的狀態為**Hard State**，此時會發出**email**給相關連絡人
 - **Soft State**為監測失敗(**non-OK**)，但並不會發出任何通知(**notification**)，例如，**email**
- **Last Check Time (最近一次檢查時間)**
- **Next Scheduled Check (下次狀態檢查)**
- **Last State Change (最近一次狀態改變時間)**
- **Last Notification (最近一次通知)**





View Alert History For This Service

- 服務狀態改變的歷史記錄

November 10, 2010
16:00

 [11-10-2010 16:27:41] Nagios 3.2.2 starting... (PID=5811)
 [11-10-2010 16:27:41] Caught SIGHUP, restarting...

November 10, 2010
13:00

 [11-10-2010 13:31:56] SERVICE ALERT: sip.ndhu.edu.tw;SIP;OK;SOFT;2;SIP/2.0 200 OK, 0.507407 seconds response time, cnt=2
 [11-10-2010 13:31:06] SERVICE ALERT: sip.ndhu.edu.tw;SIP;WARNING;SOFT;1;SIP/2.0 482 Request merged, 7.511744 seconds response time, cnt=5
 [11-10-2010 13:28:56] SERVICE ALERT: sip.ndhu.edu.tw;SIP;OK;HARD;2;SIP/2.0 200 OK, 1.50871 seconds response time, cnt=3
 [11-10-2010 13:28:06] SERVICE ALERT: sip.ndhu.edu.tw;SIP;WARNING;HARD;2;SIP/2.0 482 Request merged, 7.511145

Service Information
 Last Updated: Wed Nov 10 16:43:21 CST 2010
 Updated every 90 seconds
 Nagios@ Core™ 3.2.2 - www.nagios.org
 Logged in as guest

[View Information For This Host](#)
[View Status Detail For This Host](#)
[View Alert History For This Service](#)
[View Trends For This Service](#)
[View Alert Histogram For This Service](#)
[View Availability Report For This Service](#)
[View Notifications For This Service](#)

Service
SIP
On Host
sip.ndhu.edu
(sip.ndhu.edu)

Member of
No servicegr

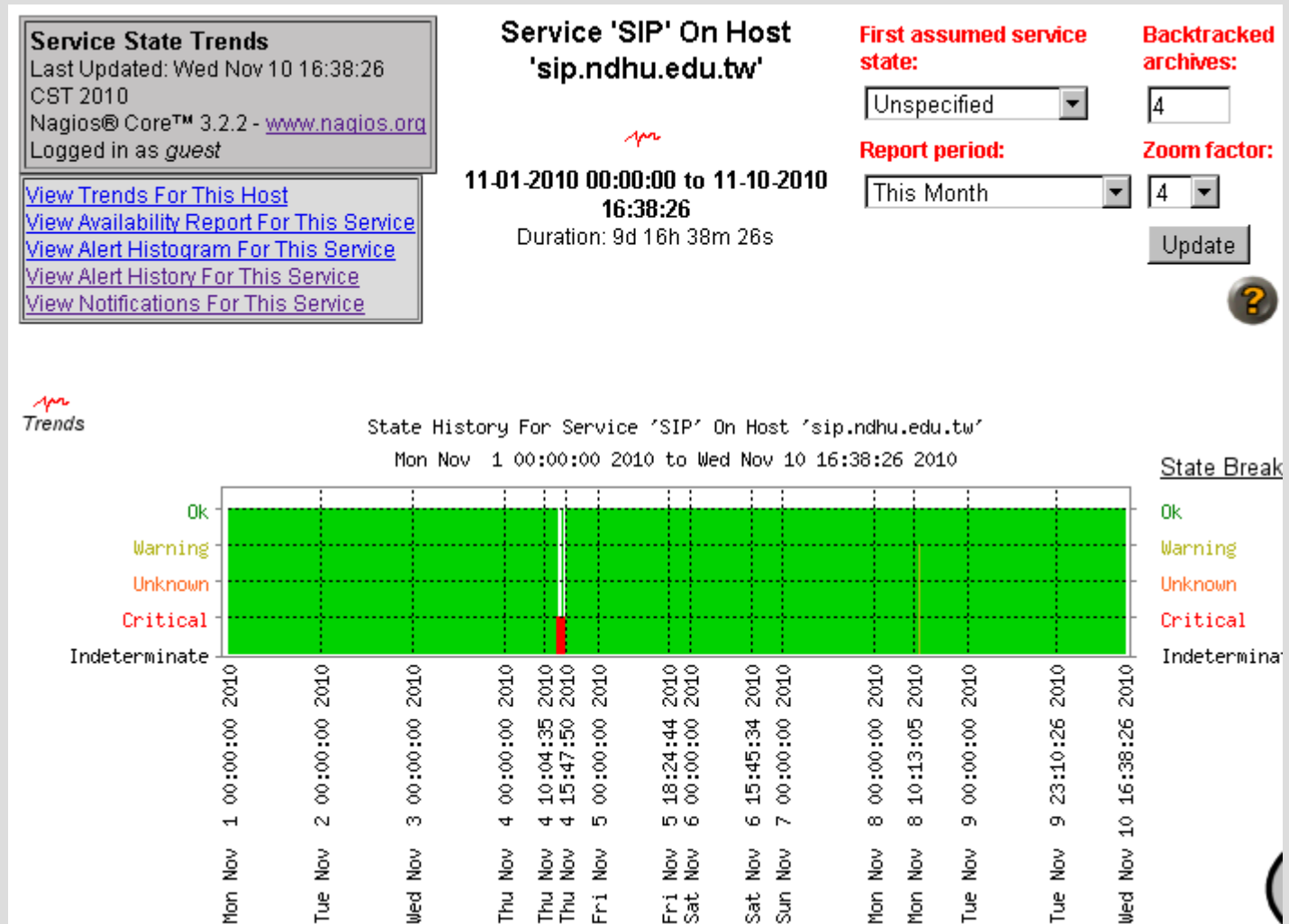
163.28.160

Service State Information

Current Status:	OK (for 0d 3h 11m 31s)
Status Information:	SIP/2.0 200 OK, 0.008768 seconds response time, cnt=1
Performance Data:	rtt=0.008768s;cnt=1;0.5s;1s;0:10; code=200
Current Attempt:	1/2 (HARD state)
Last Check Time:	11-10-2010 16:42:50
Check Type:	ACTIVE

View Trends For This Service

- 圖示系統的歷史狀態
- 可以選擇指定的時間來顯示



View Availability Report For This Service

- 可以看到服務無法作用的時間、紀錄

Service Availability Report
 Last Updated: Wed Nov 10 16:30:52 CST 2010
 Nagios@ Core™ 3.2.2 - www.nagios.org
 Logged in as *guest*

[View Availability Report For This Host](#)
[View Availability Report For All Services](#)
[View Trends For This Service](#)
[View Alert Histogram For This Service](#)
[View Alert History For This Service](#)
[View Notifications For This Service](#)

Service 'SIP' On Host 'sip.ndhu.edu.tw'

~

11-01-2010 00:00:00 to 11-10-2010 16:30:52
 Duration: 9d 16h 30m 52s

First assumed service state:

Report period:

Backtracked archives:

[Availability report completed in 0 min 0 sec]

Service State Breakdowns:

State	Type / Reason	Time	% Total Time	% Known Time
OK	Unscheduled	9d 14h 14m 2s	99.019%	99.019%
	Scheduled	0d 0h 0m 0s	0.000%	0.000%
	Total	9d 14h 14m 2s	99.019%	99.019%
WARNING	Unscheduled	0d 0h 2m 30s	0.018%	0.018%
	Scheduled	0d 0h 0m 0s	0.000%	0.000%
	Total	0d 0h 2m 30s	0.018%	0.018%
UNREACHABLE	Unscheduled	0d 0h 0m 0s	0.000%	0.000%

View Notifications For This Service

- 已發通知的log記錄

Service Notifications
 Last Updated: Wed Nov 10 15:07:35 CST 2010
 Nagios® Core™ 3.2.2 - www.nagios.org
 Logged in as *guest*

[View History For This Service](#)
[View Trends For This Service](#)

Service 'SIP' On Host 'sip.ndhu.edu.tw'

Log File Navigation
 Wed Nov 10 00:00:00 CST 2010 to Present..

File: /var/log/nagios/nagios.log

Notification detail level for this service:

Older Entries First:



Latest Archive 

Host	Service	Type	Time	Contact	Notification Command	Information
sip.ndhu.edu.tw	SIP	OK	11-10-2010 13:28:56	ndhu_admin	notify-service-by-email	SIP/2.0 200 OK, 1.50871 seconds response time, cnt=3
sip.ndhu.edu.tw	SIP	WARNING	11-10-2010 13:28:06	ndhu_admin	notify-service-by-email	SIP/2.0 482 Request merged, 7.511145 seconds response time, cnt=5

服務狀態資訊

Service (Last state refresh: 2010-11-10 11:50:28)	
Service Name	sip.ilrc.edu.tw
Service Name	SIP
Alias	sip.ilrc.edu.tw
Summary State	OK
Summary Output	SIP/2.0 200 OK, 0.002419 seconds response time, cnt=1
Perfdata	rtt=0.002419s;cnt=1;0.5s;1s;0:10; code=200
Current attempt	1/2
State Type	HARD
Last Check	2010-11-10 11:49:32
Next Check	2010-11-10 11:50:32
Last State Change	2010-11-08 11:19:28

Web Call (Click to Call)

URL:

<http://hostname/webcall/page/?dialnum=99999999>



區網中心流量統計中心

區網中心流量統計圖

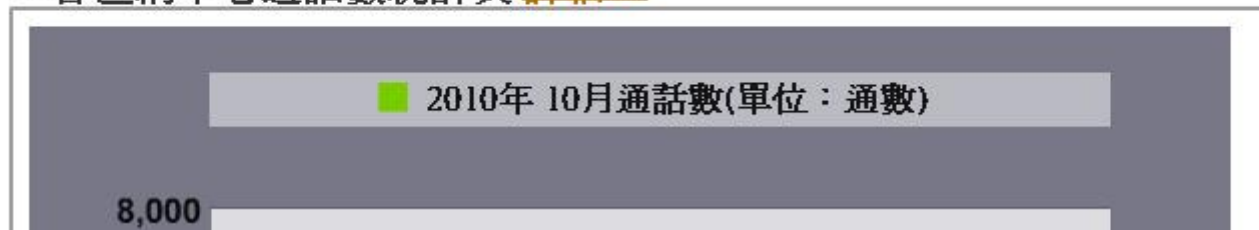


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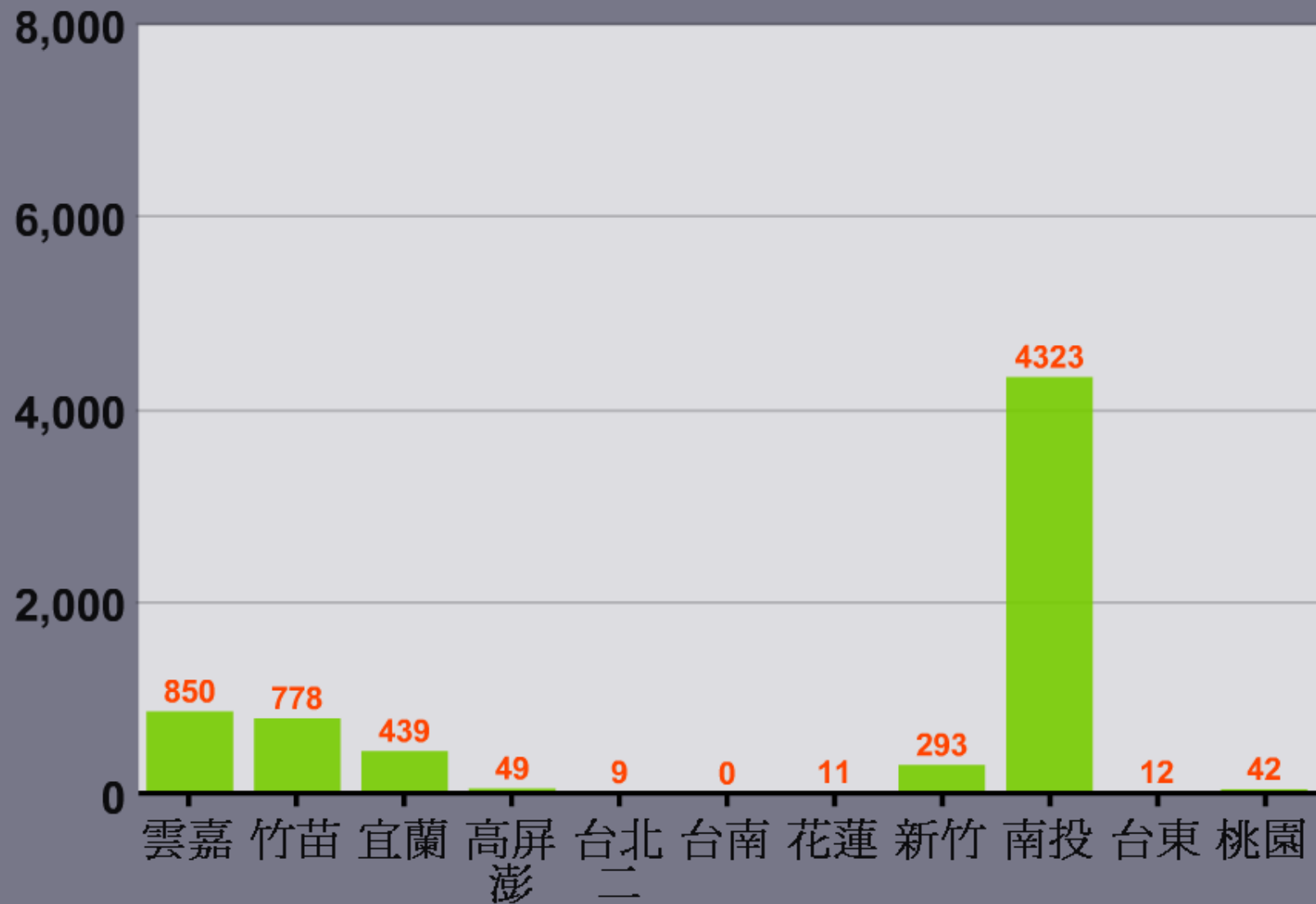
現在日期：2010-11-04 15:06:10

Softswitch 各區網中心 [送出](#)

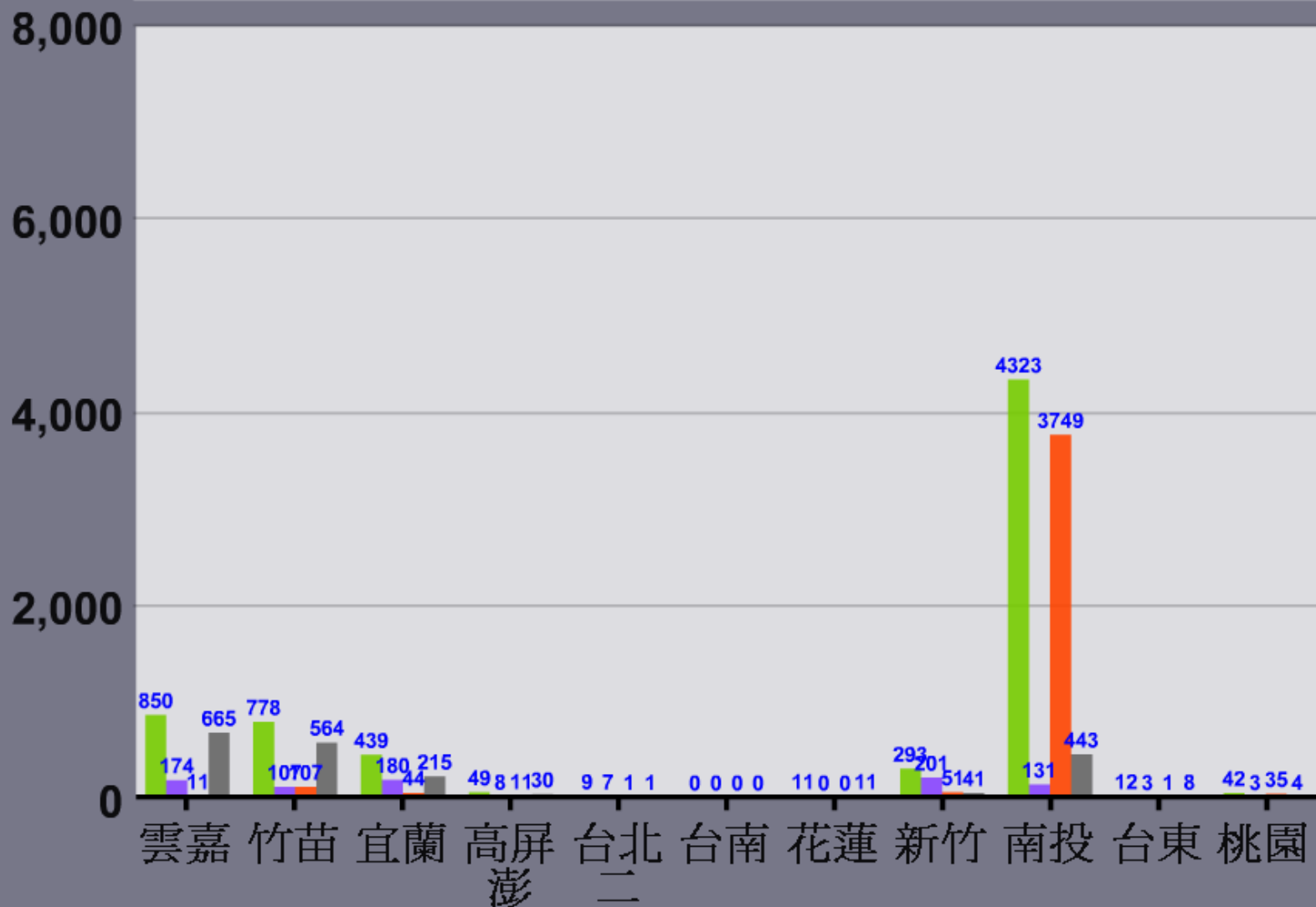
▼各區網中心通話數統計表 [詳細...](#)



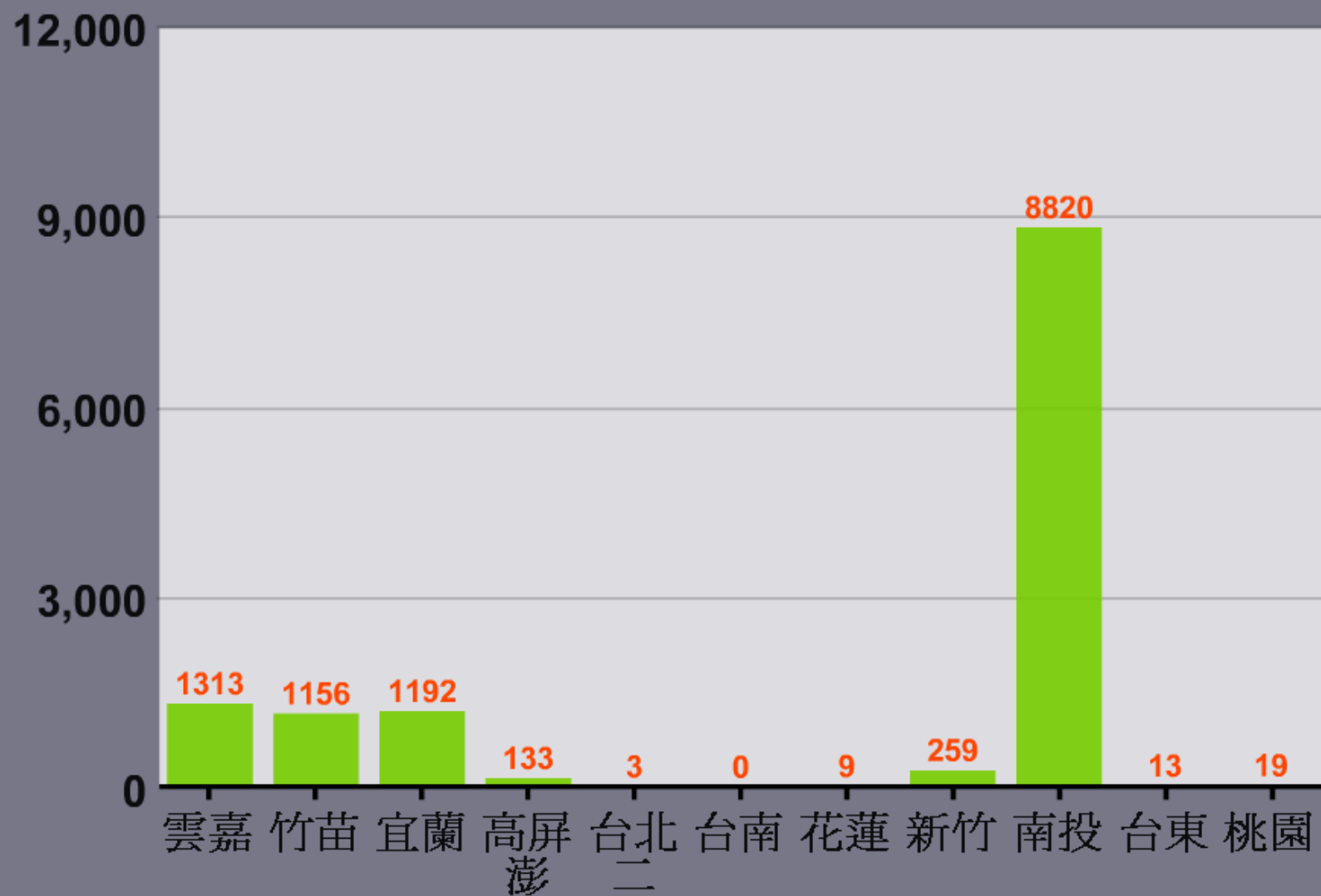
■ 2010年 10月通話數(單位：通數)



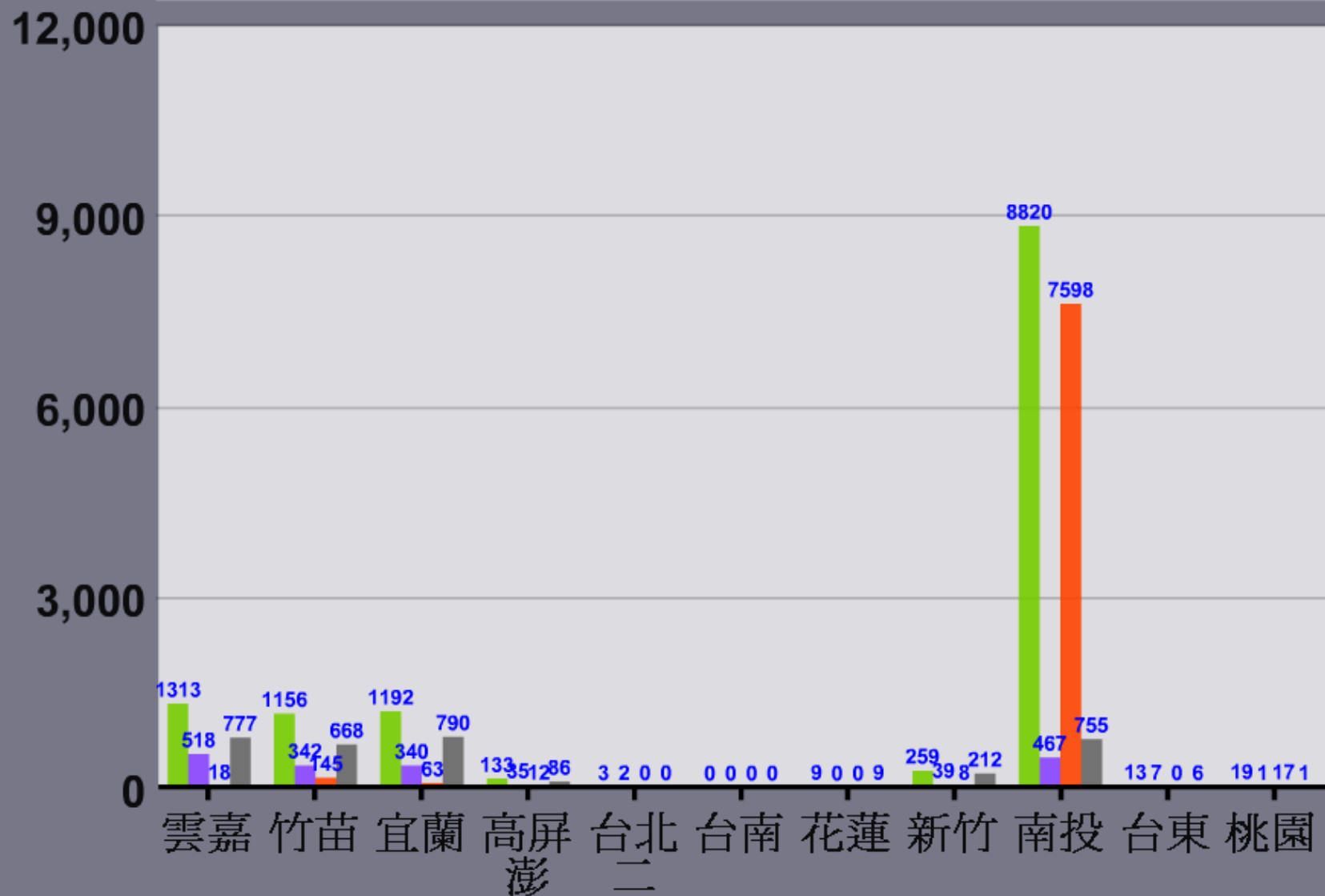
- 2010年 10月 通話總數
- 2010年 10月 通話數(進線來源為MOE)
- 2010年 10月 通話數(進線來源local區碼或者非TANet號碼,即網內)
- 2010年 10月 通話數(來源非MOE,非local區碼且為TANet號碼,即撥往MOE)



2010年 10月通話分鐘數(單位：分鐘)



- 2010年 10月 通話總分鐘數
- 2010年 10月 通話分鐘數(進線來源為MOE)
- 2010年 10月 通話分鐘數(進線來源local區碼或者非TANet號碼,即網內)
- 2010年 10月 通話分鐘數(來源非MOE,非local區碼且為TANet號碼,即撥往MOE)



- IPv6=>IPv6 2010年 10月通話數(單位：通數)
- IPv6=>IPv4 2010年 10月通話數(單位：通數)
- IPv4=>IPv4 2010年 10月通話數(單位：通數)
- IPv4=>IPv6 2010年 10月通話數(單位：通數)

