

【Shell】 【Tip】 列出環境變數網址解析dns

```
列出所有環境變數並解析疑似網址的 IP：
=====
目前使用的 DNS server： 67.207.67.3 67.207.67.2
-----
C_HOST=https://www.microsoft.com/zh-tw/#bb
↳ www.microsoft.com → 184.51.98.103
-----
B_HOST=https://tw.yahoo.com/a?a=a&b=b
↳ tw.yahoo.com → 180.222.114.12
-----
A_HOST=https://www.google.com/a/b
↳ www.google.com → 74.125.68.99
-----

系統 /etc/hosts 內容（不含註解與空行）：
=====
127.0.1.1 ubuntu-s-1vcpu-1gb ubuntu-s-1vcpu-1gb
127.0.0.1 localhost
::1 localhost ip6-localhost ip6-loopback
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
```

```
#!/bin/bash

export A_HOST="https://www.google.com/a/b"
export B_HOST="https://tw.yahoo.com/a?a=a&b=b"
export C_HOST="https://www.microsoft.com/zh-tw/#bb"

echo "列出所有環境變數並解析疑似網址的 IP："
echo "===== "

# 顯示目前 DNS server
# 嘗試從 systemd-resolved 的配置中找出真實 DNS
if command -v resolvectl >/dev/null 2>&1; then
    dns_servers=$(resolvectl status | grep 'DNS Servers' | head -n 1 | awk -F: '{print $2}')
# elif [ -f /run/systemd/resolve/resolv.conf ]; then
#     dns_servers=$(grep -E '^nameserver' /run/systemd/resolve/resolv.conf | awk '{print $2}')
else
    dns_servers=$(grep -E '^nameserver' /etc/resolv.conf | awk '{print $2}')
fi

echo "目前使用的 DNS server：$dns_servers"
echo "-----"

# 暫存解析過的域名，避免重複查詢
declare -A resolved

while IFS='=' read -r name value; do
    if [[ "$value" =~ ^https?:/[^\./]+ ]]; then
        host="${BASH_REMATCH[1]}"
    elif [[ "$value" =~ ^([a-zA-Z0-9.-]+\.[a-zA-Z]{2,})$ ]]; then
        host="${BASH_REMATCH[1]}"
    else
        continue
    fi

    if [[ -n "$host" && -z "${resolved[$host]}" ]]; then
        ip=$(dig +short "$host" | grep -Eo '([0-9]{1,3}\.){3}[0-9]{1,3}' | head -n 1)
```

```
resolved["$host"]="$ip"
echo "$name=$value"
if [[ -z "$ip" ]]; then
    echo "↳ $host → [無法解析]"
else
    echo "↳ $host → $ip"
fi
echo "-----"
fi
done < <(env)

echo ""
echo "系統 /etc/hosts 內容（不含註解與空行）："
echo "======"
grep -vE '^\s*#|^\s*$' /etc/hosts
```

🕒修訂版本 #4

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