## ç„¡ç·šLANã,¢ã,¯ã,»ã,¹ãƒ•ã,¤ãƒ³ãƒˆåŒ–ã€•ï¼˜ã€'

**Category : ã,µãƒ¼ãƒ•ç®¡ç•†æ—¥è¨˜**
**Published by** M-naka on 2005/11/27

é«˜é€ŸåŒ–ã€•å®Œäº†ã€,

**4.ã,³ãƒ³ãƒ•ã,£ã,°ãƒ•ã,¡ã,¤ãƒ«ä½œæˆ•ãƒ»ç·¨é›†**
ã€€ç„¡ç·šLANã,«ãƒ¼ãƒ‰ã•¯pcmciaã,µãƒ¼ãƒ“ã,¹ä¸‹ã•§å‹•ä½œã•™ã,‹ã€,ã••ã•®ã•Ÿã,•ã•®ãƒ•ã,¤ãƒ³ãƒ‰è¨-å®šã,'æ˜Žè¨˜ã•—ã•¦ã•Šã••ã€,/etc/pcmcia/ä»¥ä¸‹ã•«*.conf ã•®å••ç§°ã•§ã,³ãƒ³ãƒ•ã,£ã,°ãƒ•ã,¡ã,¤ãƒ«ã,'ä½œæˆ•ã•™ã,‹ã€,ã,«ãƒ¼ãƒ‰ã•®ãƒ•ãƒ¼ãƒ‰æƒ…å ±ã•¯cardctl identã•§å¾—ã•Ÿå€¤ã,'ä½¿ç"¨ã•™ã,‹ã€,

```
#madwifi.conf#
device "ath_pci"
 class "network" module "ath_pci"

card "I-O Data WN-G54/CB3"
   manfid 0x0271, 0x0120
     bind "ath_pci"
```

ã€€ã•¡ã•ªã•¿ã•«WN-G54/CB3ã,,CG-WLCB54GSã,,ä¸-èº«ã•¯Atherosã•®ãƒªãƒ•ã,¡ãƒ¬ãƒ³ã,¹ãƒ¢ãƒ‡ãƒ«ã,‰ã•—ã••ã€•cardctl identã•§å¾—ã,‰ã,Œã,‹æƒ…å ±ã•Œå…¨ã••å•Œã•˜ã• ã•£ã•Ÿã€,

ã€€ã••ã,Œã•‹ã,‰ã€•/etc/modules.confã•«ä»¥ä¸‹ã,'è¿½è¨˜ã€,

```
alias ath0 ath_pci
```

**5.ãƒ‡ãƒ•ã,¤ã,¹èµ·å‹•**
ã€€ã,³ãƒ³ãƒ•ã,£ã,°ãƒ•ã,¡ã,¤ãƒ«ã,'ä½œæˆ•ãƒ»ç·¨é›†ã•—ã•¦pcmciaã,µãƒ¼ãƒ“ã,¹ã,'å†•èµ·å‹•ã••ã•›ã,‹ã•¨ãƒ•ãƒƒãƒˆãƒ¯ãƒｰã,¯ãƒ‡ãƒ•ã,¤ã,‰ath0 ã•Œèµ·å‹•ã•™ã,‹â€¦â€¦ãƒ•ã,ºã•ªã•®ã• ã•Œã€•ifconfigã,³ãƒžãƒ³ãƒ‰ã•§ã,,iwconfigã,³ãƒžãƒ³ãƒ‰ã•§ã,,ath0ã•Œå‡ºã•¦ã•“ã•ªã•„ã€,ä»£ã,•ã,Šã•«wifi0 ã•Œå-˜åœ¨ã•™ã,‹ã€,ãƒ•ãƒƒãƒˆãƒ¯ãƒｰã,¯ã,¤ãƒ³ã,¿ãƒ¼ãƒ•ã,§ãƒ¼ã,¹ã•®è¨-å®šã•¯ /etc/sysconfig/network-script/ä»¥ä¸‹ã•«ç½®ã••ã•®ã•Œã,»ã,ªãƒªãƒｰã•ªã•®ã•§ã€•ifcfg-ath0 ã,'ä½œæˆ•ã•—ã€•IPã,¢ãƒ‰ãƒ¬ã,¹ä»–ãƒ•ãƒƒãƒˆãƒ¯ãƒｰã,¯ã•®è¨-å®šã,'æ›¸ã•„ã•¦ã•Šã••ã€•ifup ath0ã,'è©¦ã•™ã•Œâ€¦â€¦å‹•ã•‹ã•ªã•„ã€,ã•¾ã•Ÿå¤‰ã• ã€, ã€€å›°ã•£ã•Ÿã•¨ã••ã•¯ãƒ‰ã,-ãƒ¥ãƒ¡ãƒ³ãƒˆã€,ãƒ‰ãƒ©ã,¤ãƒ•ã,½ãƒ¼ã,¹ä»˜å±žã•®READMEãƒ•ã,¡ã,¤ãƒ«ã•«ã,ˆã,‹ã•¨ã€•

ãƒ»Madwifi-ngã•§ã•¯ãƒ‡ãƒ•ã,¤ã,¹wifi0ã•Œä½œæˆ•ã••ã,Œã,‹ ãƒ»wifi0ã•¯ä½œæˆ•ã••ã,Œã•Ÿã• ã•‘ã• ã•¨ifconfigã,,iwconfigã,,å•—ã•‘ä»˜ã•‘ã•ªã•„ ãƒ»ãƒ‰ãƒ©ã,¤ãƒ•ä»˜å±žã•®wlanconfigã•§å‹•ä½œãƒ¢ãƒ¼ãƒ‰ã,„ã,¤ãƒ³ã,¿ãƒ¼ãƒ•ã,§ãƒ¼ã,¹ath0ã•®ä½œæˆ•ã,'è¡Œã•†

ã,‰ã•—ã•„ã€,ã•“ã,Œã•¯Madwifi-ngã•®ç‹¬è‡ªä»•æ§˜ã,‰ã•—ã••ã€•Madwifiã•§ã•¯ãƒ‡ãƒ•ã,©ãƒ«ãƒˆã•¯

ath0ã€‚åŠ ã•ˆã•¦è¨€ã•†ã•¨ã€•/etc/sysconfig/network-script
/ã•«ç½®ã••è¨-å®šãƒ•ã‚¡ã‚¤ãƒ«ã•¨ã•¯ã•‚ã‚‰ã•Œè‰¯ã••ã•ªã•„ã‚ˆã•†ã• ã€‚ã•“ã•“ã•«è¨-å®šãƒ•ã‚¡ã‚¤ãƒ«ã‚'ç½®ã•‹ã•šã€•äº‹å¾Œçš„ã•«IPã‚¢ãƒ‰ãƒ¬ã‚¹ã‚'å‰²ã‚Šä»˜ã•‘ã‚‹ç-‰ã•¯å•¯è½ã•ªã•®ã•§ã€•è¨-å®šãƒ•ã‚¡ã‚¤ãƒ«ã•¯ç½®ã•‹ã•ªã•„ã•“ã•¨ã•«ã•—ã•Ÿã€‚ä»£ã‚ã‚Šã•«ä»¥ä¸‹ã•®å†…å®¹ã•®ã‚·ã‚§ãƒ«ã‚¹ã‚¯ãƒªãƒﾌﾟﾄã‚'ä½·å‹•æ™‚ã•«å®Ÿè¡Œã••ã•›ã‚‹ã‚ˆã•†ã•«ã•—ã•Ÿã€‚

#madwifi.sh#
#!/bin/bash
/usr/local/bin/wlanconfig ath0 create wlandev wifi0 wlanmode ap
/sbin/iwconfig ath0 essid madwifi.mythril.ne.jp
/sbin/iwconfig ath0 key (WEPã‚-ãƒ¼128bit)
/sbin/ifconfig ath0 up
/sbin/ifconfig ath0 192.168.10.30 netmask 255.255.255.0

ã€€ã•“ã‚Œã•§ç„¡ç·šLANã‚¤ãƾã‚¿ãƒｰã•‚ã‚ãƒｰã•‚ã‚ãƒｰã‚¹ã‚ath0ã•Œ192.168.10.30ã•§è‡·å‹•ã•™ã‚‹ã€‚

**ã€•20060703è¿½è¨˜ã€‘**
ã€€æœ€æ–°ã•®madwifi-0.9.1ã•§ã•¯ã€•ãƒ‡ãƒｰã‚©ãƒ«ãƒˆã•§ath0ã•ŒManagedãƒ¢ãƒｰãƒﾄï¼ˆé€šå¸¸ã•®ç„¡ç·šLANã‚¯ãƒ©ã‚¤ã‚ãƾãƒ¢ãƒｰãﾄï¼‰ã•§è‡·å‹•ã•™ã‚‹ã•®ã•§ã€•è‡·å‹•ã‚¹ãﾀｰﾄｱｯﾌﾟã•®æœ€å^•ã•§ãƒ‡ãƒｰã‚©ãƒ«ãƒˆè‡·å‹•ã•—ã•Ÿã‚¤ãƾãƒｰﾌｪｲｽã‚'ä¸€åº¦æ-¢ã•ã‚‹å¿…è¦•ã•Œã•,ã‚‹ã€‚

#madwifi.sh#
#!/bin/bash
/usr/local/bin/wlanconfig ath0 destroy
/usr/local/bin/wlanconfig ath0 create wlandev wifi0 wlanmode ap
/sbin/iwconfig ath0 essid madwifi.mythril.ne.jp
/sbin/iwconfig ath0 key (WEPã‚-ãƒ¼128bit)
/sbin/ifconfig ath0 up
/sbin/ifconfig ath0 192.168.10.30 netmask 255.255.255.0

**6.iptableså'¨ã‚Š**
ã€€ä»Šå›žã‚‚ãƒ–ãƾãƾãƾ‚ãƾ¢ãƾ¼ãƾ‰ã•§ã•¯ã•ªã••ãƾ«ãƾ¼ã‚¿ãƾ¢ãƾ¼ãƾ‰ã•ªã•®ã•§ã€•æœ€å¾Œã•¯iptableã€‚IPãƾžã‚¹ã‚«ãƾ¬ãƾ¼ãƾ‰ã•¨IPãƾ•ã‚©ãƾ¯ãƾ¼ãƾ‰ã•®è¨-å®šã‚'ã•—ã•¦å^•ã‚•ã•¦pingã•Œé€šã‚‹ï¼ˆæ°—ã•¥ã•‹ã•ªã•„ã•¨ãƾ•ãƾžã‚‹ï¼‰ã€‚

-A POSTROUTING -o eth0 -s 192.168.10.0/24 -j MASQUERADE
-A POSTROUTING -o ath0 -s 192.168.1.0/24 -j MASQUERADE
-A FORWARD -i ath0 -j ACCEPT
-A RH-Firewall-1-INPUT -i ath0 -j ACCEPT

ã€€ã•“ã‚Œã•§iptablesã‚'å†•è‡·å‹•ã•—ã•¦å®Œäº†ã€‚

ã€€ã•“ã•“ã•¾ã•§ã•™ã‚‹ã•¨IEEE802.11g/bã•®ã‚¢ã‚¯ã‚»ã‚¹ãƾ¤ãƾ³ãƾˆã•¨ã•—ã•¦è¦‹ã•ˆã‚‹ã‚ˆã•†ã•«ã•ªã‚‹ã€‚ã•‚ã•¨ã•¯ã‚¯ã‚¤ãƾ©ã‚¤ãƾ³ãƾˆå•´ã•«WEPã‚-ãƾ¼ã‚'è¨-å®šã•™ã‚Œã•°ç¹ã•Œã‚‹ã€‚ç•¾çŠ¶IEEE802.11aã•¯ä½¿ç"¨ä¸•å•¯ã• ã•Œã€•å…ƾã€…å¯¾å¿œã‚«ãƾ¼ãƾ‰ã‚'æ‰€æœ‰ã•—ã•¦ã•„ã•ªã•„ã•®ã•§å••é¡

Œã•«ã•¯ã•ªã‚‰ã•ªã•„ã€‚

ã€€è©¦ã•—ã•Ÿç¯„å›²ã•§ã•¯å••åˆ†å®Ÿ"¨ã•«è¶³ã‚‹ã€‚å‰•å›žMadwifiã‚'è©¦ã•—ã•Ÿã•¨ã••ã•¯ãƒ–ãƒ•ãƒ–ãƒ•åˆ‡ã‚Œã•¦è©±ã•«ã•ªã‚‰ã•ªã•‹ã•£ã•Ÿã•Œã€•ä»Šå›žã•¯hostapdï¼‰ã•«é•žå¸¸ã•«å®‰å®šã•—ã•¦ã•„ã‚‹ã€‚è·•é›¢ã•Œã•"ã••è¿'ã•„ã•"ã•¨ã‚‚ã•‚ã•‚ã•Šã€•ãƒªãƒ³ã‚¯é€Ÿåº¦ã•¯ã•»ã•¼54Mbpsãƒ•ãƒ«ãƒªãƒ³ã‚¯ã€‚Amatsuã•®MPEG2ãƒ•ã‚¡ã‚¤ãƒ«ã‚‚å••é¡Œã•ªã••è¦‹ã‚Œã‚‹ã€‚

ã€€ã•ªã•Šã€•ä»Šã•®ã•¨ã•"ã‚•ã•¯WEPã‚-ãƒ¼ã•§æš—å•·åŒ–ã•—ã•¦ã•„ã‚‹ã• ã•'ã• ã•Œã€•Madwifiã•¯WPA-PSKï¼ˆTKIPï¼‰ã‚„IEEE802.11X+RADIUSèª•è¨¼ï¼ˆè¦•hostapdï¼‰ã•«å¯¾å¿œã•—ã•¦ã•„ã‚‹ã€‚å€‹ä°°å•'ã•'ç"¨é€"ã•§ã•‚ã‚Œã•°WPAç¨‹å°¦ã•§å••åˆ†ã• ã•¨ã•¯æ€•ã•†ã•Œã€•FreeRADIUSã‚'åˆ©ç"¨ã•™ã‚Œã•°IEEE802.1Xã•¨ã•„ã•†ã€•ã‚¨ãƒ³ã‚¿ãƒｼｱãƒ—ãƒ©ã‚¤ãƒ¼ã•®èª¼ç„¡ç·šLANã‚·ã‚¹ãƒ†ãƒ ã‚'æ§‹ç¯‰å•¯è½ã•§ã•‚ã‚‹ã€‚ã•"ã‚Œã•¯è¿½ã€…è©¦ã•—ã•¦ã•¿ã‚‹ã•"ã•¨ã•«ã•™ã‚‹ã€‚

ã€€WN-G54/CB3ã•ªã‚‰3,000å††ç¨‹å°¦ã•§è³¼å…¥å•¯è½ã•ªã•®ã•§ã€•
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å®‰ä¾¡ã•«ã‚»ã‚-ãƒ¥ãƒªãƒ†ã‚£ãƒ¬ãƒ™ãƒ«ã•®é«˜ã•„é«˜é€Ÿç„¡ç·šLANã‚¢ã‚¯ã‚»ã‚¹ãƒ•ã‚¤ãƒ³ãƒˆ'æ§‹ç¯‰å•¯è½ã•§ã•‚ã‚‹ã€‚Atherosã‚«ãƒｼãƒ‰ã€•è¨ˆ2æžšã•‚ã‚‹ã•—ç¨ｼå‹•å®Ÿç¸¾ã‚‚ã‚Œã•Ÿã•®ã•§ã€•å¹´æœ«å¹´å§‹ã•®å¸°çœ•æ™‚ã•«å®Ÿå®¶ã•®ç„¡ç·šLANã‚‚IEEE802.11gåŒ–ã•™ã‚‹ä°ˆå®šã€‚