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Category : é•ŽåŽ»ãƒ-ã,°

Published by M-naka on 2004/3/6

2003å¹´9æœˆã•®ã,µãƒ¼ãƒ•ç®¡ç•†è¨˜éŒ²ã€,

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ç®¡ç•†å±¥æ-´ï¼š
ã€€20030928ï¼šVPNã•®ãƒŠã,¾
ã€€20030925ï¼šMRTGã•§åˆ¤ã,‹ã•“ã•¨ï¼ˆã•¤ã•¥ã••ï¼‰
ã€€20030922ï¼šMRTGã•§åˆ¤ã,‹ã•“ã•¨
ã€€20030919ï¼šMRTGã€webalizerã•®å°Žå…¥ã•¨mobileimapã•®å‹•ä½œæˆ•åŠŸ
é•ŽåŽ»ãƒ-ã,°ï¼šâ€¦2003å¹´8æœˆ Â 2003å¹´7æœˆ Â 2003å¹´6æœˆ Â 2003å¹´5æœˆ Â 2003å¹´4æœˆ Â 2003å¹´9æœˆ28æ—¥ï¼ˆæ—¥ï¼‰

VPNã•®ãƒŠã,¾

ã€€å¤–å‡ºå…ˆã•§PPTP-VPNã•§è‡ªå®…ã•®LANã•«æŽ¥ç¶šã•—ã•Ÿã•†ã•ˆã•§ã,¤ãƒ³ã,¿ãƒ¼ãƒ•ãƒƒãƒˆ,ŠãŠã•®ãƒ›ã,¹ãƒˆã•«å¯¾ã•—ã•¦TRACEROUTEã,'å®Ÿè¡Œã•™ã,‹ã•¨ã€•LANã,'çµŒç"±ã•—ã•¦ã•Ÿã,Šã•—ã•¦ã•ªã•‹ã•£ã•Ÿã,Šã•™ã,‹ã€, ãƒ»ãƒ'ã,¿ãƒ¼ãƒ³ï¼'
ã€€AirH"ã€€â†'ã€€ï¼ˆPPTP-VPNï¼‰ã€€â†'ã€€è‡ªå®…LANã€€â†'ã€€ADSLãƒ¢ãƒ‡ãƒ ã€€â†'ã€€
ã,¤ãƒ³ã,¿ãƒ¼ãƒ•ãƒƒãƒˆ ãƒ»ãƒ'ã,¿ãƒ¼ãƒ³ï¼'
ã€€AirH"ã€€â†'ã€€ã,¤ãƒ³ã,¿ãƒ¼ãƒ•ãƒƒãƒˆ
ã€€ã•†ãƒ¼ã,"ã€•è¬Žã€,DNSè§£æ±ºã•§ã••ã•Ÿæ–¹ã•®ã,¤ãƒ³ã,¿ãƒ¼ãƒ•ã,§ã,¤ã,¹ã,'ä½¿ã•†ã•®ã•‹ã•ªï¼Ÿã€€ä¸€å¿œPPTP-VPNã•£ã•¦ä»®æƒ³ãƒ‡ãƒ•ã,¤ã,¹ãƒ»ã,¤ãƒ³ã,¿ãƒ¼ãƒ•ã,§ã,¤ã,¹ã•¨ã•—ã•¦è«–ç•†çš„ã•«å-˜åœ¨ã•™ã,‹ã•“ã•¨ã•«ã•ªã•£ã•¦ã•„ã,‹ã•®ã•§ã€,AirH"ã•§å•–å¾—ã•—ã•ŸIPã,¢ãƒ‰ãƒ¬ã,¹ï¼ˆã,°ãƒ-ãƒ¼ãƒ•ãƒ«IPï¼‰ã•¨PPTP-VPNã•§å•–å¾—ã•—ã•ŸIPã,¢ãƒ‰ãƒ¬ã,¹ï¼ˆãƒ—ãƒ©ã,¤ãƒ™ãƒ¼ãƒˆIPï¼‰ã•§ã•¯ã€•å¾Œè€…ã•®æ–¹ã•Œå„ªå…ˆã••ã,Œã•¦ã•„ã,‹ã,ˆã•†ã•ªã€,
ã€€PPTP-VPNã•§æŽ¥ç¶šä¸-ã•¯æ®†ã•©ã•®å´å•ˆã€Œãƒ'ã,¿ãƒ¼ãƒ³ï¼'ã€•ã•«ã•ªã,‹ã•¿ã•Ÿã•„ã€,PPTPã•«ã•™ã,‹ã•¨PPPã•®ãƒ¬ãƒ™ãƒ«ã•§ãƒˆãƒ³ãƒ•ãƒ«ãŒ–ã,'è¡Œã•†ã•Ÿã,•ã•«ã,¹ãƒ«ãƒ¼ãƒ—ãƒƒãƒˆã•¯ç¢ºå®Ÿã•«é•…ã••ã•ªã,‹ã€,ã•'ã•©ã€•ADSLã•§é€šä¿¡ã••ã•›ã€•ã••ã,Œã,'PPTPã•§ãƒˆãƒ³ãƒ•ãƒªãƒ³ã,°ã••ã•›ã•¦ã•„ã,‹ã•‹ã,‰ã€•é€šä¿¡ã•®ã•»ã•¨ã,"ã•©ã,'æš—å•·åŒ–ã•§ã••ã•¦ã•„ã,‹ã•“ã•¨ã•Œåˆ¤ã,‹ã€,ãƒ¢ãƒ•ã,¤ãƒ«ã,¤ãƒ³ã,¿ãƒ¼ãƒ•ãƒƒãƒˆã,'ã•™ã,‹ä¸Šã•§ã•¯ä¸Šå‡ºæ•¥ã•¨ã•„ã•ˆã,‹ã• ã,•ã•†ã€,
ã€€ä»Šã•¾ã•§VPNã•§ã•©ã•†ã•„ã•†é€šä¿¡ç µŒè·¯ã,'è¾¿ã,‹ã•®ã•‹ã,'è‰¯ã••ç Ÿã,‰ã•ªã•‹ã•£ã•Ÿã•®ã•Œå®Ÿæƒ…ã• ã•£ã•Ÿã,Šã€, Â 2003å¹´9æœˆ25æ—¥ï¼ˆæœ¨ï¼‰

MRTGã•§åˆ¤ã,‹ã•“ã•¨ï¼ˆã•¤ã•¥ã••ï¼‰

ã€€è©¦ã•—ã•«Casperã•¨Omoikaneã,'ãƒªãƒ–ãƒ¼ãƒˆã••ã•›ã•¦ã•¿ã•Ÿã€,é¡•è'—ã•ªã•®ã•¯Casperã€,ãƒªãƒ–ãƒ¼ãƒˆå‰•ã•¯40ï¼…å¼±ã••ã,‰ã•„ã•®CPUä½¿ç"¨ç Ž‡ã,'ã,-ãƒ¼ãƒ—ã•—ã•¦ã•„ã•Ÿã•Œã€•ãƒªãƒ–ãƒ¼ãƒˆå¾Œã•¯ã,¼ãƒ-ãƒ•ãƒ©ãƒƒãƒˆçŠ¶æ…‹ã•Œç¶šã•„ã•¦ã•„ã,‹ã€,ä½¿ç"¨ç Ž‡ã•Œä¸Šã•Œã,‹ã•®ã•¯éŒ²ç"»ä¸-ã€,ã•¾ã••ã••ã,Œã•§ã„,25ï¼…ã•¨ã•„ã•†ã•¨ã•“ã,•ã•§ã•,ã,‹ã€,é€£ç¶šç¨¼ãƒ•æ™‚é–“ã•Œé•·ã••

ã•ªã,Œã•°ã•ªã,‹ã•»ã•©å¸¸æ™‚ä½¿ç”¨ç‚‡ã•Œä¸Šã•Œã•£ã•¦ã•„ã••ã•¨ã•¿ã•Ÿã€,
ã€€ä¸€æ–¹Omoikaneã•¯ãƒªãƒ–ãƒ¼ãƒˆã•®å‰•å¾Œã•§å¸¸æ™‚ä½¿ç”¨ç‚‡ã•«å¤‰åŒ–ã•¯ã•»ã•¨ã,“ã•©ã•ªã•„ã€,25%å¼±ã,’å¸¸ã•«ã,-ãƒ¼ãƒ—ã•—ã•¦ã•„ã,‹ã€,ã,¯ãƒ-ãƒƒã,¯å·®3å€•ã•®ç•¾å®Ÿã•Œã•“ã,Œã•‹ã€,å½“ç„¶ã•ªã•Œã,‰ç•¾ç¶¶ã•¯ã•„ã•šã,Œã•®ãƒžã,·ãƒ³ã,„ãƒªã,½ãƒ¼ã,¹ã•«ã•¯ä½™è£•ã•Œã•,ã,Šã•¾ã••ã,Šã•¨ã•„ã•†ã•“ã•¨ã•§ã€,
ã€€ãƒ¡ãƒ¢ãƒªã•¯ã•»ã•¨ã,“ã•©ä½¿ã•£ã•¡ã,ƒã•£ã•¦ã,‹ã•ªã••ã€,ã•©ã•¡ã,‰ã,,256MBã,’å®Ÿè£…ã••ã•›ã•¦ã,‹ã,“ã• ã•‘ã•©ã€,ã••ã,Œã•§ã,„ã,¹ãƒ¯ãƒƒãƒ—ãƒ¡ãƒ¢ãƒªã•Œç©ºã••ã•¾ã••ã,Šã•ªã•®ã•¯ç‰©ç•†ãƒ¡ãƒ¢ãƒªã•Œå¤§å®¹é‡•ã• ã•‹ã,‰ã•‹ã€,　Â 2003å´´9æœˆ22æ—¥ï¼ˆæœˆï¼‰
MRTGã•§åˆ¤ã,‹ã•“ã•¨　ï¼‘ï¼‰ãƒ•ãƒƒãƒˆãƒ¯ãƒ¼ãƒˆãƒ©ãƒ•ã,£ãƒƒã,¯
ã€€å¤§ã•—ã•Ÿã•“ã•¨ã•Œã•ªã•„ã€,ã•¾ã••ä°^æƒ³é€šã,Šã• ã•‘ã•©ã€•ä¸‹ã,Šç´„11Mbpsã€•ä¸Šã,Š1Mbpsã•®å¸¯åŸŸã•¯ç©ºã••ã•¾ã••ã,Šã•§ã•,ã,‹ã€, ï¼‘ï¼‰CPUä½¿ç”¨ç‚‡
ã€€å¸¸æ™‚,25ï¼…ã€œ30ï¼…ç¨‹ä½¿ã,•ã,Œã•¦ã•„ã,‹ã•“ã•¨ã•¯åˆ•ã,•ã•¦ç¥¥ã•£ã•Ÿã€,ç‰¹ã•«Casperã•¯TVã,-ãƒ£ãƒ—ãƒ•ãƒ£ä¸-ã•®CPUä½¿ç”¨ç‚‡ã•¯100ï¼…ã•«è¿‘ã•„ã€,çµ•æ§‹è² è•·ãƒ‡ã,«ã,¤ã•®ã•-ã€,Melchior(PentiumIII-800EBMHz)ã•§å•Œæ§˜ã•®ã•“ã•¨ã,’ã••ã•›ã•¦ã„ã•›ã•„ã•œã•„40ï¼…å¼±ã•£ã•¦ã•¨ã•“ã,•ã•ªã•®ã•«ã€,Casperã•®æ–¹ã•Œåœ§ç¸®ç‚‡ã•®é«˜ã•„éŒ²ç”»å‡¦ç•†ã,’ã••ã•›ã•¦ã•„ã,‹ã•›ã•„ã• ã•¨æ€•ã•†ã•Œã€,
ã€€â€¦â€¦ã•«ã•—ã•¦ã„ã€•ã•¡ã•¡ã•®ä½¿ç”¨ç‚‡ã•Œä¸Šæ‰‹ã••è¡¨ç¤ºã••ã,Œã•ªã•„ã•®ã•¯ä½•æ•…ã• ã,•ã•†ã€, Â 2003å´´9æœˆ19æ—¥ï¼ˆé‡‘ï¼‰
MRTGã€•webalizerã•®å°Žå…¥ã•¨mobileimapã•®å‹•ä½œæˆ•åŠŸ
ã€€ã€Œã•¡ã•¨é••ã•†æ–¹å•‘ã•®ã,»ãƒƒãƒ†ã,£ãƒ³ã,°ã€•ã•®ç¶šã••ã€,　**ï¼‘ï¼‰MRTG(Multi Router Traffic Grapher)**
ã€€SNMPï¼ˆSimple　Network Management Protocolï¼‰ã,’åˆ©ç”¨ã•—ã•Ÿã€•ãƒˆãƒ©ãƒ•ã,£ãƒƒã,¯ãƒ¢ãƒ‹ã,¿ã,½ãƒ•ãƒˆã€,
ã€€å¤§å-¦é™¢ç”Ÿæ™‚,ä»£ã€•ãƒ•ã,¤ãƒˆå…ˆï¼ISPï¼‰ã•§ãƒ•ãƒƒã,¯ãƒœãƒ¼ãƒ³ã•®ãƒˆãƒ©ãƒ•ã,£ãƒƒã,¯ã,’ãƒ¢ãƒ‹ã,¿ã•™ã,‹ã•®ã•«ä½¿ã•£ã•¦ã•„ã•Ÿã•®ã•Œã,³ãƒ¬ã• ã•£ã•Ÿã€,æœ€ã„ã€•å½“æ™‚ã•¯MRTGã•£ã•¦ä½•ã•‹ã,’ç‚¥ã,‰ã•ªã•‹ã•£ã•Ÿã•‘ã•©â€¦â€¦ã€,ç”»é•¢ã,-ãƒ£ãƒ—ãƒ•ãƒ£ã•—ã•¦ãƒ—ãƒ-ã,¸ã,§ã,¯ãƒˆ¼šè-°ã•«å‡ºã•—ã•¦ã•„ã•Ÿã•,ã•®é ƒã•Œæ‡•ã•‹ã•—ã•„â€¦â€¦ã€,
ã€€ã•¾ã•šå¿…è¦•ã•ªã•®ã•ŒSNMPï¼ˆSimple Network Management Protocolï¼‰ãƒ‡ãƒ¼ãƒ¢ãƒ³ã,³ã,¤ãƒ„ã,’å‹•ä½œã••ã•›ã€•å••ã••å‡ºã•™ãƒ‡ãƒ¼ã,¿ã,’MRTGã•«æ‹¾ã,•ã•›ã,‹ã€•ã•¨ã•„ã•†ä»»ç‚µã•¿ã€,ã•Šæ‰‹è»½ã•«　#apt-get install ucd-snmp
ã€€ã,³ãƒ³ãƒ•ã,£ã,°ãƒ•ã,¡ã,¤ãƒ«ã•¯/etc/snmp/snmp.confã• ã•Œã€•ã•»ã•¼ãƒ‡ãƒ•ã,©ãƒ«ãƒˆè¨-å®šã•§å••é¡Œã•ªã••å‹•ä½œã•™ã,‹ã€,
ã€€MRTGã•¯apt-getã•§ã•¯ãƒ‘ãƒƒã,±ãƒ¼ã,¸ã•Œè¦‹ã•¤ã•‹ã,‰ã•ªã•‹ã•£ã•Ÿã•®ã•§ã€•ãƒ•ã,¤ãƒŠãƒªRPMã,’æŽ¢ã•—ã•¦ã••ã•¦ã,¤ãƒ³ã,¹ãƒˆãƒ¼ãƒ«ã€,è¨-å®šã•§æ°—ã,’ã•¤ã•‘ã,‹ã•®ã•¯ã€•snmpãƒ‡ãƒ¼ãƒ¢ãƒ³ã•¸ã•®ã,¢ã,¯ã,»ã,¹æ–¹æ³•ã€@
ã•¨ã•ªã,‹ã€,ã,¢ã,¯ã,»ã,¹å••ã•¯/etc/snmp/snmp.confã•§è¨-å®šã•—ã•Ÿã,‚ã•®ã,’ä½¿ç”¨ã€,ä»–ã•«ã,‚MRTGã•«ã•¯å¿…è¦•ã•ªãƒ©ã,¤ãƒ–ãƒ©ãƒªã•¸ã,¡ã,¤ãƒ«ã•Œã•‚ã,‹ã•®ã• ã•Œã€•ã•“ã•£ã•¡ã•¯æ—¢ã•«ã,¤ãƒ³ã,¹ãƒˆãƒ¼ãƒ«æ¸ˆã• ã•£ã•Ÿã•®ã•§æ”¹ã,•ã•¦ã,¤ãƒ³ã,¹ãƒˆãƒ¼ãƒ«ã•®å¿…è¦•ã•¯ã•ªã•„ã€,
ã€€crontabã•«MRTGã•®å®šæœŸè‡ªå‹•å®Ŷè¡Œï¼5å^†æ¯Žï¼‰è¨-å®šè¨˜è¿°ã,’è¿½åŠ ã€,ã•,ã•¨ã•¯ãƒ–ãƒ©ã,¦ã,¶ã•§ãƒˆãƒ©ãƒ•ã,£ãƒƒã,¯ã,’ãƒ•ã,§ãƒƒã,¯ã€,
ã€€ã••ã•†ã••ã•†ã€•MRTGã•¯ãƒ•ãƒƒãƒˆãƒ¯ãƒ¼ãƒˆãƒ©ãƒ•ã,£ãƒƒã,¯ã• ã•‘ã•§ã•ªã••ã€•ãƒ¡ãƒ¢ãƒªä½¿ç”¨ç‚‡ã,„CPUä½¿ç”¨ç‚‡ã,‚ã,°ãƒ©ãƒ•åŒ–ã•§ã••ã,‹ã€,ã•“ã,Œã•¯è¿½ã€…ã,„ã•£ã•¦ã•¿ã,‹ã•¨ã•„ã•†ã•“ã•¨ã•§ã€,å•˜ç´”ã•«ãƒˆãƒ©ãƒ•ã,£ãƒƒã,¯ã•®æŽ¨ç§»ã•Œè¦‹ã,‰ã,Œã,‹ã€•ã•¨ã•„ã•†ã•®ã•¯é•¢ç™½ã•„ã€,
ï¼’ï¼‰webalizer
ã€€Apacheã•®ãƒ-ã,°ã,’åˆ†ãž•ã•—ã•Ÿä¸Šã•§ã,°ãƒ©ãƒ•ã,£ã,«ãƒ«ã•«è¡¨ç¤ºã•—ã•¦ã••ã,Œã,‹ã€•ãƒ-ã,°è§£æž•ã,½ãƒ•ãƒˆã€,HTMLã•®å½¢ã•§å^†æž•çµ•æžœã,’å‡ºåŠ›ã•—ã•¦ã••ã,Œã,‹ã•®ã•§ã€•ãƒ–ãƒ©ã,¦ã,¶ã•§ãƒ-ã,°ã•®è§£æž•çµ•æžœã,’è¦‹ã,‹ã•“ã•¨ã•Œã•§ã••ã,‹ã€,ã•‹ã•£ã•“ã•„ã•„ã€,ã,¤ãƒ³ã,¹ãƒˆãƒ¼ãƒ«ã•¯　#apt-get install webalizer
ã•§OKã€,ã,³ã,¤ãƒ„ã,„ãƒ‡ãƒ¼ã,¿ã,’æ›¸ã••å‡ºã••ã,Œã,‹ãƒ‡ã,£ãƒ¬ã,¯ãƒˆãƒªã,’ä½œæˆ•ï¼†æŒ‡å®šã•

™ã‚‹ã•™ã‚‹ã• ã•‘ã•§ã€•ã•‚ã•¨ã•¯ã•»ã•¼ãƒ‡ãƒ•ã‚©ãƒ«ãƒˆè¨-å®šã•§å••é¡Œã•ªã••å‹•ä½œã•™ã‚‹ã€æ”¹ã‚•ã•¦æ›¸ã••ã•“ã•¨ã„ç‰¹ã•«ã•ªã••â€¦â€¦ã€‚
ã€€ã•‚ãƒ¼ã€•ï¼‘ã•¤ã• ã•‘ã€‚/etc/webalizer.confã•«ãƒ-ã‚°ãƒ•ã‚¡ã‚¤ãƒ«ã•¨ã•—ã•¦/var/log/httpd/access_logä»¥ä¸‹ã‚’æŒ‡å®šã€‚ç„¡å•°ãƒ•ã‚¡ã‚¤ãƒ«ã•¨1ã€œ4ã•®ãƒªãƒ•ãƒ¼ãƒ ãƒ•ã‚¡ã‚¤ãƒ«ã‚’è¹-ã•¿å‡ºã••ã•›ã‚‹ã‚ˆã•†ã•«ã•™ã‚‹ã€‚RPMã‚’ã‚¤ãƒ³ã‚ˆãƒ¼ãƒ«ã•—ã•Ÿæ™‚ç‚¹ã•§crontabã•«ã„å®šæœŸè‡ªå‹•å®Ÿè¡Œè¨-å®šã•Œæ›¸ã••è¾¼ã•¾ã‚Œã‚‹ã•®ã•§æ¥½ãƒ•ãƒ³ã€‚
ã€€ã•“ã•¡ã‚‰ã„MRTGå•Œæ§˜ã€•ãƒ–ãƒ©ã‚¦ã‚¶ã•§è§£æž•çµ•æžœã‚’ãƒ•ã‚§ãƒƒ¯ã•§ã••ã‚‹ã€ç•¾çŠ¶ã€•LANå†…ã•‹ã‚‰ã•®ã‚¢ã‚¯ã‚»ã‚¹ã•Œåœ§å€’çš„å¤šæ•°ã•ªã•®ã•§åˆ†æž•çµ•æžœã•¨ã•—ã•¦ã•¯å¤§ã••ã•—ã•¦é•¢ç™½ã••ã•ªã•„ã•Œâ€¦â€¦ã€‚ã•“ã‚Œã•¯MRTGã•®è¨-å®šã•¨ã‚µãƒ¼ãƒ•ã•®å…¬é–‹ãƒ¬ãƒ™ãƒ«ã‚’ä¸Šã•’ã‚Œã•°ï¼ˆï¼‰robots.txtï¼‰ï½è¿½ã€…å¤‰åŒ–ã•™ã‚‹ã• ã‚•ã•†ã€‚è¿‘ã•„ã•†ã•¡ã•«robots.txtã•«æ‰‹ã‚’å…¥ã‚Œã‚‹ä°å®šã€‚ **ï¼“ï¼‰mobileimap**
ã€€i-modeã‚’ã•¯ã•˜ã‚•ã•¨ã•™ã‚‹å•„ç¨®æ•°å¸¯é›»è©±ã•§ãƒ¡ãƒ¼ãƒ«ã•§ãƒƒã‚¯ã•Œå•¯èƒ½ã•ªãƒ¡ãƒ¼ãƒ«ã‚²ãƒ¼ãƒˆã‚¦ã‚§ã‚¤ã‚½ãƒ¼ã‚ˆã€SquirrelMailã•¨çµ„ã•¿å•ˆã‚•ã•›ã•¦æœ€å¼·ã•®WebMailerç°å¢ƒã‚’â€¦â€¦ã•¨ã•‹è€ƒã•ˆã•¦ã•„ã•Ÿã‚“ã• ã•‘ã•©ã•-ã•‡ï¼ˆã•Ÿã‚•æ•¯ï¼‰ã€‚
ã€€ã‚½ãƒ¼ã‚¹ã•¦ã•¡ã‚¤ãƒ«ã‚ˆã•®ã‚“ã•Ÿã‚“ã• ã•‘ã•©ã€•ã•“ã‚Œã€•ã‚³ãžãƒ³ãƒ‰ãƒ©ã‚¤ãƒ³ã•§IDã•¨ãƒ‘ã‚¹ãƒ¯ãƒｰãƒ‰ã‚’å…¥ã‚Œã•¦ä°ˆã•èµ·å‹•ã••ã•›ã•¦ã•Šã••ã€•æ•°å¸¯é›»è©±ã••ã•®ä»–ã•®ç«¯æœ«ã•§èµ·å‹•æ™‚ã•«æŒ‡å®šã••ã‚Œã•ŸURLã•«ã‚¢ã‚¯ã‚»ã‚¹ã•™ã‚Œã•°ã•„ã•„ã€•ã•¨ã•„ã•†ä»»ç‚µã•¿ã€‚è¦•ã•¯WebMailerã‚’ä½¿ã•£ã•¦ãƒ¡ãƒｰãƒ«ãƒ‡ãƒｰタ,¿ã‚’èª•è¨¼ä¸è¦•ã•ªæŽ²ç¤ºæ•¿ã•§ã•®å¦‚ã••ã„ã‚Šã•¨ã‚Šã•™ã‚‹ã€•
ã•¨ã•„ã•†ã‚ˆã•†ã•ªæ„Ÿã•˜ã€‚URLã‚’éš è”½ã•—ã•ªã•„ã•¨ãƒ¡ãƒｰãƒ«ã‚¢ãƒ‰ãƒ¬ã‚¹ã• ã•‘ã•§ã•ªã••ãƒ¡ãƒｰãƒ«æœ¬æ–‡ã„ãƒ€ãƒ€æ¼•ã‚Œã•¨ã•„ã•†ã€•ã•„ã‚•ã•°ã€Œè«¸ãˆ ãƒ•ã•®å‰£ã€•ã•ªã‚•ã•‘ã•§ã€‚ã•¾ã••ã‚¦ãƒ•ã•™ãƒ•ãƒ¾çŠ¶ã¸•è¦•ã•‹ã•ªã••ã€•ã•¨ã€‚
â†•å‰•ã•®ãƒšãƒ¼ã‚¸ã•«æˆ»ã‚‹