

**[DHCP f}fI[fWff,ìI—¹]**

DHCP f}fI[fWff,ðI—¹,µ,Ü,·B

**[fAfNfefBfu%»] ,Æ [ "ñfAfNfefBfu%»]**

[fAfNfefBfu%»] , íA'í'ð,μ,½fXfR[fv,É'í,·,éfŠ[fX,ì"z•z,ðŠŽn,μ,Û,·□B["ñfAfNfefBfu%»]  
,íA'í'ð,μ,½fXfR[fv,É'í,·,éfŠ[fX,ìŽæ,è□Á,μ,ðŠŽn,μ,Û,·□BDHCP fNf%ofCfAf"fg,³fXfR[fv,ð—~—  
p,Å,«,é,æ,π,É,·,é,É,í□A,»,ìfXfR[fv,ðfAfNfefBfu  
%»»,μ,È,·,é,í,È,è,Û,¹,ñ□B,½,¾,μ□AfXfR[fv,ìfìfvfVf+f",ì□'è,ðŠ@—¹,·,é,Û,Å,í□AfXfR[fv,ðfAfNfefBfu  
%»»,μ,È,ç,Ä,¾,³,ç□B

fXfR[fv,ðí□œ,·,é,É,í□A,»,ìfXfR[fv,ð"ñfAfNfefBfu%»»,μ,È,·,é,í,È,è,Û,¹,ñ□BfXfR[fv,ð"ñfAfNfefBfu  
%»»,·,é,Æ□A,»,ìfXfR[fv,ðŽg,Á,Ä,ç,é DHCP fNf%ofCfAf"fg,³AfTfufìfbfg□ä,ì,Û,©,ìfXfR[fv,ì IP  
fAfhfCEfX,ðŽæ"¾,·,é,½,ß,ÉfŠ[fX,ð'T,·,±,Æ,³%»Ä"\,É,È,è,Û,·□B,±,ì'€□ì,ð□s,í,È,ç,Æ□ADHCP fNf  
%ofCfAf"fg,ìfŠ[fX,ðŽ,·,ç,Û,·□B

"ñfAfNfefBfu%»»,³,é,½fXfR[fv,ì DHCP fNf%ofCfAf"fg,³□V,½,ÉfŠ[fX,Ö,ì□',«Š·,ì,ð—v<□,·,é,Æ□ADHCP  
fT□fo□[í□ADHCP fNf%ofCfAf"fg,É'Û'è%»ž"š (NACK□F negative acknowledgment) ,ð'—,è,Û,·□BDHCP  
fNf%ofCfAf"fg,í□A'Û'è%»ž"š,ðŽó,·Žæ,é,Æ□%»Sú%»□ó'Ö,É-  
ß,è□AfTfufìfbfg□ä,ì,Û,©,ìfAfNfefBfu,ÉfXfR[fv,©,ç□V,μ,ç IP fAfhfCEfX,ìfŠ[fX,ðŽæ"¾,μ,æ,π,Æ,μ,Û,·□B

**□d—v**

- fXfR[fv,ð"ñfAfNfefBfu%»»,·,é,Æ,«,í□A,»,ì'ä,í,è,Æ,È,éfXfR[fv,³fTfufìfbfg□ä,ÅfAfNfefBfu,É,È,Á,Ä,ç,È,·,é,í,È,è,Û,¹,ñ□B'ä,í,è,Æ,È,éfXfR[fv,í□A'·,ìfTfufìfbfg□ä,É,·,é,í□A"ñfAfNfefBfu%»»,·,é,é,É,È,è,Û,¹,ñ□B DHCP fT□fo□[□ä,É,·,Á,Ä,à,©,Û,ç,Û,¹,ñ□B
- fXfR[fv,ð^èŽž'âŽ~,·,é,½,ß,É,í□A["ñfAfNfefBfu%»] ,ðŽg,í,È,ç,Ä,¾,³,ç□B["ñfAfNfefBfu%»]  
,í□AfXfR[fv,ðí□œ,·,é,½,ß,¾,·,ÉŽg,ç,Û,·□B
- fXfR[fv,ð"ñfAfNfefBfu%»»,μ,½CEä,í□AfXfR[fv,ìfŠ[fXžžŠÖ,ì"¼·ª,É,·,½,éŽžŠÖ,³CEo  
%»ß,·,é'Ö,É□A<N" @,μ,Ä,ç,é,·,×,Ä,ìfNf%ofCfAf"fg,³ DHCP  
fT□fo□[□ä,ì,Û,©,ìfAfNfefBfu,ÉfXfR[fv,ìfŠ[fX,ð'T,μŽn,ß,é,æ,π,É,μ,Ä,¾,³,ç□B

## **fXfR[fv**

- DHCP fNf%ofCfAf“fg fT[fxfX,đŽÀ□s,·,éfRf“fsf...□[f^,ìŠÇ—□fOf<□[fv,Å,·□BŠÇ—  
□ŽÒ,í□Af|fbfgf□□[fN□ă,ìTfuf|fbfg,<sup>2</sup>,Æ,ÉfXfR□[fv,đ□□□¬,μ□A,»,ìTfuf|fbfg,ìpf  
%of□□[f^,đ’è<` ,μ,Ü,·□BfXfR□[fv,É,í□AZÿ,ìvf□fpfefB,<sup>3</sup>, ,è,Ü,·□B
- —^,!,ç,ê,½ IP fAfhfCefX,ìTfuf|fbfg,đCE^’è,·,é,½,ß,ì^è^Ó,ìTfuf|fbfg f}fXfN□B
  - fXfR□[fv,ì□□□—Žž,ÉS,,,è”- ,Ä,ç,ê,éfXfR□[fv-¼□B
  - “®“l,ÉS,,,è”- ,Ä,ç,ê,½ IP fAfhfCefX,đŽó,~Žæ,é DHCP fNf%ofCfAf“fg,ÉS,,,è”-  
,Ä,ç,ê,éfŠ□[fXŠúŠÔ,ì’l□B

**[íœ]**

'í, µ, ½fR[fv, ðíœ, µ, ð, ·B

## DHCP fT[fO[L,É,Â,ç,Ä

DHCP (Dynamic Host Configuration Protocol) fT[fO[L,íAWindows NT ServerAMicrosoft TCP/IPA,“,æ,Ñ DHCP fT[fO[L fVtfgfEfFfA,ðŽÀs,·,éRf“fsf...[f^,Á,·BDHCP,íARFC (Request for Comments) 1533A1534A1541A,“,æ,Ñ 1542 ,É'è< ,³,è,Ä,ç,Ü,·BfJfbfgf[fN,É DHCP fT[fO[L,ð\□¬,·,é,ÆAZÿ,ì,æ,æ,È—~“\_“³⁄⁴,ç,è,Ü,·□B

- fJfbfgf[fNŠÇ—□ŽÒ,íAfcf“f^□[fJfbfgf[fN'S'ì,É'ì,μAfof□□[fof<,È TCP/IP fpf %of□□[f^,ÆfTufJfbfgcEÁ—L,ì TCP/IP fpf%of□□[f^,ðW'+“l,ÉŽw'è,μ,½,è□A—\~ñAfhfCEfX,ðŽg,æfNf %ofCfAf“fg,ìfpf%of□□[f^,ð'è< ,μ,½,è,Ä,«,Ü,·□B
- fNf%ofCfAf“fg fRf“fsf...[f^,íATCP/IP ,ðŽè“@,Á□□¬,·,é•K—v,ª, ,è,Ü,¹,ñBfNf%ofCfAf“fg fRf“fsf... [f^,æfTufJfbfgSÔ,ð^U“@,μ,½,è□è□†,íAfcf“fsf...[f^,ì<N“@Žž,ÉŽ©“@“l,É TCP/IP ,íA□□¬,ª□s,í,è,Ü,·□B

### □d—v

- •j□“,ìf<□[f^□[ ,É,Ü,½,ª,éTfufJfbfg,ðfTf]□[fg,·,é,½,ß,É DHCP fT[fO[L,ðŽg,æ□è□†,íAfc□[f^□[ ,ìftf@□[f€fEfFfA,ìAfbvfOfCE□[fh,ª•K—v,É,È,é,±,Æ,ª, ,è,Ü,·□Bf□[f^□[ ,í RFC 1533A1534A1541A,“,æ,Ñ 1542 ,ðfTf]□[fg,μ,Á,ç,é,à,ì,Ä,È, ,è,ì,È,è,Ü,¹,ñBDHCP fŠfCE□[ fG□[fWfFf“fg,ìftf]□[fg,É,Ä,ç,Ä,íAfc□[f^□[ ,í□»'çCE³,É-à,ç□†,í,¹,Ä, ,³⁄⁴,³,ç□B□Ú□x,É,Ä,ç ,Ä,íARFC1542.TXT ,ðŽQ□Æ,μ,Ä, ,³⁄⁴,³,ç□BRFC1542.TXT ,íAftp.internic.net:/rfc ,©,ç“½-¼ FTP ,É,æ,è“ùžè,Ä,«,Ü,·□B

ŠÖ~A□€-Ú

DHCP fNf%ofCfAf“fg,ÆfT[fO[L,ìŠT—v

**DHCP fNf%oFCfAf“fg,ÆFT[fO[l,ÌŠT—v**

DHCP ,íA fNf%oFCfAf“fg fT[fO[l f,fff<,ðì—p,μ,Ä,ç,Û,·BDHCP fT[fO[l,ð 1 ‘ä,Û,½,í·;í““äÿ’è,μ,Ä,“, - ,ÆA,»,) DHCP fT[fO[l,É,æ,Á,ÄA fNf%oFCfAf“fg,É’ñ<ÿ,³,è,é TCP/IP \N—î·ñ,ª·Ûžç,³,è,Û,·BDHCP fT[fO[l,]ff[f^fx[fX,É,íAZÿ,ìî·ñ,ªŠÛ,Û,è,Û,·B

- fCf“f^ [f]fbfgf[fN[ä,ì,·, x, Ä, ìfNf%oFCfAf“fg,ð’íÛ,Æ,·,é—LCEø,È[N—fpf%oF[f^B
- fNf%oFCfAf“fg,ÉŠ,,,è“- ,Ä,é,½,ß,Éfv[f<“à,Ä·Ûžç,³,è,é—LCEø,È IP fAfhfCEfX[A,“,æ,Nžè“@Š,,,è“- ,Ä —p,ì—\—ñfAfhfCEfX[B
- fT[fO[l,É,æ,Á,Ä’ñ<ÿ,³,è,é fŠ[fX,ìšúšÖBfš[fX,íAŠ,,,è“- ,Ä,ç,è,½ IP fAfhfCEfX,ðžg— p,Ä,« ,éšúšÖ,ð’è< ,μ,Û,·B

Windows NT TCP/IP , Ä [DHCP fT[fO[l, ©, ç IP fAfhfCEfX,ðžæ“¾,·,é] ,ª’l’ð,³,è,Ä,ç,ééè#AWindows NT ,ðžÄ[s,·,éRf“fsf... [f^, í DHCP fNf%oFCfAf“fg,É,È,è,Û,·BDHCP fNf%oFCfAf“fg fRf“fsf...

[f^, íA<N“@Æä,É DHCP fT[fO[l,Æ’ÉM,μA·K—v,È TCP/IP ,ì\N—î·ñ,ðžó, žæ,è,Û,·B,±,ì\ N—î·ñ,É,íA[A,È, ,Æ,à IP fAfhfCEfX,ÆfTfuf]fbfg f}fXfN,ì,Û,©,ÉA[A \ N—,ÉŠÖ~A·t,·,ç,è,½fš[fX,ªŠÛ,Û,è,Ä,ç,Û,·B

- f]fbfgf[fN,É DHCP fT[fO[l,ð\N—,·,é,ÆAZÿ,ì,æ,x,È—~“ ,ª“¾,ç,è,Û,·B
- f]fbfgf[fNŠÇ—žÖ,íA fCf“f^ [f]fbfgf[fN·S’ì,É’í,μA fO f[fO f<,È TCP/IP fpf %oF[f^ ,ÆfTfuf]fbfgÆÄ—L,ì TCP/IP fpf%oF[f^ ,ðW’+“l,Éžw’è,Ä,«,Û,·B
- fNf%oFCfAf“fg fRf“fsf... [f^, íATCP/IP ,ðžè“@,Ä\N—,·,é·K—v,ª, ,è,Û,¹,ñB
- fNf%oFCfAf“fg fRf“fsf... [f^ ,ªfTfuf]fbfgŠÖ,ð^U“@,μ,½èè#ACEÁ,ç IP fAfhfCEfX,í%ø·ú,³,è,Ä,Äžg —p,Ä,«,é,æ,x,É,È,èA^U“@,³,è,½fNf%oFCfAf“fg fRf“fsf... [f^, í<N“@žž,Éž©“@“l,É TCP/IP ,ì,½,ß,ÉA[A \ N—,³,è,Û,·B
- ,Û,Æ,ñ,ç,ìf< [f^ [ ,ª DHCP \N—v< ,ð“l’—,Ä,«,é,½,ßA fCf“f^ [f]fbfgf[fN,ìfTfuf]fbfg,²,Æ,É DHCP fT[fO[l,ð”z’u,·,é·K—v,ª, ,è,Û,¹,ñB

## fš[]fx

“®“l,ÉŠ,,,è“-,Ä,ç,ê,½ IP fAfhfCEfX,đŽg—p,Å,«,éŠúŠÔ,Å,·BDHCP fNf%oCfAf“fg,í[]Afš[]fx (‘Ý,μ[]o,μ) ,ì—  
LCEøŠúCEÀ,³[]ø,è,é‘O,É DHCP fT[]fo[],Åfš[]fx,đ[]‘,«Š·,ì,È, ¯,ê,î,È,è,Ü,¹,ň[]B

## DHCP f}f[]fWff,đŽg,⌘

DHCP fT[]fo[] fT[]frfX,đCf“fXfg[]f<,·,é,Æ[]ADHCP f}f[]fWff] ,ª [ŠÇ—[]fc[]f< (<⌘'É) ] ,É'Ç %oÁ,³,è,Ü,·BDHCP fT[]fo[][,ìfCf“fXfg[]f<Æä,í[]ADHCP f}f[]fWff,đŽg,Á,ÄŽŸ,ìŠì-

{[]<Æ,đ[]s,í,È,·,è,í,È,è,Ü,¹,ñ[]B

- DHCP fXfR[]fv,·,æ,ÑfX[]fp[]fXfR[]fv,ì[]-[]BDHCP fT[]frfX,ì'ñ<Ÿ,đŠŽn,·,é,½,ß,É•K— v,È,·,x,Ä,ì[]<Æ,đ[]s,ç,Ü,·[]B
- fXfR[]fv,ìfvf[]pfefB,ì'è<'[]BfXfR[]fv“à,ì DHCP fNf%ofCfAf“fg,ÉfT[]fo[][,É,æ,Á,Ä“z•z,³,è,é IP fAfhf[]CfX,ì“í^í,È,Ç,đ'è<' ,µ,Ü,·[]B
- DHCP fT[]fo[][,ìfvf[]pfefB,ì•Ž;[]BDHCP fT[]fo[][,ìŠ“ @f[]fo,ìŽù[]W[]A<£[]#,ìCEŸ[]o[]ABOOTP fe[]fuf<,ì[]- ,È,Ç,ìfvfVf#f“ ,ª ,è,Ü,·[]B
- DHCP fìfvfVf#f“ f^fCfv,ì[]-[]BfŠ[]fXŠúŠÔ,È,Ç,ì DHCP fìfvfVf#f“ ,ìŠù'è'ì,đ'è<' ,µ,½,è[]AfffXf^f€ fìfvfVf#f“ ,đ'Ç%oÁ,µ,½,è,µ,Ü,·[]B

## []d—v

- DHCP f}f[]fWff,Á[]<Æ,·,é,Æ,«,í[]A,·,x,Ä,ìfRf“fsf...[]f^-¼,É DNS (Domain Name System[] fhf[]fCf“ f[]f€ fVfXfef€) -¼,¾,·,đŽg,ç,Ü,·[]BfRf“fsf...[]f^-¼,í[]Aaccounting.trey.com ,ì,æ,⌘ ,ÉŠ@'S,È<L[]q,µ,Á,à[]Af[][]fj< fhf[]fCf“ ,É'í,·,é'Š'í^É'u,ÄŽw'è,µ,Á,à,©,Ü,ç,Ü,¹,ñ[]B

,±,ì—á,Á<' ,°,½fRf“fsf...[]f^-¼,ì[]ê[]#,í[]ADNS fhf[]fCf“ **trey.com** “à,ìfRf“fsf...[]f^ ,©,ç,í[]A'P,É

**accounting** ,ÄŽQ[]Æ,Á,«,Ü,·[]BDNS fzXfg-¼,í[]A•K, ,µ,à Windows NT fìfbfgf[][]fN,ÄŽg,í,è,é

NetBIOS fRf“fsf...[]f^-¼,Æ“ ,¶,Á, ,é•K—v,í, ,è,Ü,¹,ñ[]B

ŠÖ~A[]€-Ü

fXfR[]fv,đ[]- ,·,é

fXfR[]fv,ìfvf[]pfefB,đ•ì[]X,·,é

DHCP fìfvfVf#f“ f^fCfv



## DHCP fífVfVf#f#“

DHCP fT[fó[f[ ,áfNf%ófCfAf“fg,ÉŠ,,è“- ,Ä,é[f[f-fpf%óf[f^ ,Å,·[B

,Ù,Æ,ñ,Ç,ífífVfVf#f#“ ,í[ARFC 1542 ,É'è` ,³,ê,Ä,ç,éfpf%óf[f^ ,ÉŠî,Ã,ç,Ä[A, ,ç,©,¶,ß'è` ,³,ê,Ä,ç,Ü,·[B

ŠÇ—ŽÒ,í[A[DHCP fífVfVf#f#“] f[fjf...[ ,ìfRf}f“fh,đ'í,ñ,ÅfífVfVf#f#“ ,đŠ,,è“- ,Ä,Ü,·[B

**BOOTP fe[]fuf<**

BOOTP fe[]fuf<,É,í[]ABOOTP fNf%ofCfAf“fg,<sup>a</sup>—v<[],·,éfu[]fg ftj@fCf< f^fCfv,ì-¼‘O,Æ,»,ìftj@fCf<-  
¼[]A,¨,æ,Ñ BOOTP fNf%ofCfAf“fg,<sup>a</sup>±,ê,ç,ìftj@fCf<,ðŽæ“¾,Å,«,éT[]fo[][-¼,<sup>a</sup>ê—,<sup>3</sup>,ê,Ä,ç,Ü,·[]B

**DHCP f}f[]fWff,đ·N“@,.,é**

**DHCP f}f[]fWff,đ·N“@,.,é,É,Í**

1 [fXf^[]fg] f{f^f“ ,đNfŠfbfN,μ[]A[fvf[]Of%of€] ,đf[Cf“fg,μ,Ü,·[]BŽŸ,É[]A[ŠÇ—[]fc[][f· (<α·É)] ,đf[Cf“fg,μ[]A[DHCP f}f[]fWff] ,đNfŠfbfN,μ,Ü,·[]B

‘O%ñ[]Ú’ ±,μ,½fT[]fo[][,ÆfXfR[]fv,ÉŽ © “@“I,É[]Ú’ ±,³,é,Ü,·[]B[DHCP f}f[]fWff] fEfBf“fhfE,É,Í[]ACE»[]Ý,ìfT[]fo[][,ìfXfR[]fv,ìê—,ª·\Ž,³,é,Ü,·[]B·É,ìfT[]fo[][,É,à[]Ú’ ±,Å,«,Ü,·[]B

**DHCP fT[]fo[][,É[]Ú’ ±,.,é,É,Í**

1 [fT[]fo[][] f[]jf...[][,ì [‘Ç%Á] ,đNfŠfbfN,μ,Ü,·[]B

2 DHCP fT[]fo[][,ì-¼‘O,Ü,½,Í IP fAfhfÆfX,đ“ü—í,μ[]A[OK] ,đNfŠfbfN,μ,Ü,·[]B

**‘I’đ,μ,½ DHCP fT[]fo[][,Ö,ì[]Ú’ ±,đ%đ[]œ,.,é,É,Í**

▶ [fT[]fo[][] f[]jf...[][,ì [[]í[]œ] ,đNfŠfbfN,μ,Ü,·[]B

**DHCP fT[fo[ fT[frfX,đŠJŽn,Ü,½,Í'âŽ~,.,é**

**DHCP fT[fo[ fT[frfX,đŠJŽn,Ü,½,Í'âŽ~,.,é,É,í**

1 fRf"fgf[f< fpf[f<,ì [fT[frfX] fAfCfRf" ,đf\_fuf<fNfŠfbfN,μ,Ü,·□B

2 [fT[frfX] ^ê—,ì [Microsoft DHCP Server]

,đfNfŠfbfN,μ□AŽŸ,É□A[ŠJŽn]□A[âŽ~]□A[êŽž'âŽ~]□A,Ü,½,Í [±□s] ,đfNfŠfbfN,μ,Ü,·□B

'□

▪ DHCP fT[fo[ fT[frfX,ìŠJŽn,Æ'âŽ~,đ□s,α,É,í□AfRf}f"fh fvff"fvfg,Å□Anet start  
**dhcpserver□Anet stop dhcpserver□Anet pause dhcpserver□A,Ü,½,Í net continue dhcpserver**  
fRf}f"fh,đ"ü—Í,·,é•û-@,à, ,è,Ü,·□B

▪ Šù'è,ì□Ý'è,Å,í□AMicrosoft DHCP Server fT[frfX,í□AfRf"fsf...  
□[f^,ì<N"® Žž,ÉŽ© "®"I,ÉŠJŽn,³,è,Ü,·□B

**DHCP fT[fO[L,lfvf[fpfefB,ð•\Ž!,•,é**

**DHCP fT[fO[L,lfvf[fpfefB,ð•\Ž!,•,é,É,Í**

▶ [fT[fO[L] f[ifj...[L,Í [fvf[fpfefB] ,ðfNfŠfbfN,μ,Ü,·[B

'[

▪ [fvf[fpfefB] ,Í[AfT[fO[L fAfhfCEfX,ð'Í'ð,μ,Ä,ç,é,Æ,«,É,¾, ~Žg—p%oÂ"\,Å,·[B

▪ [fvf[fpfefB] f\_fCfAf[fo f{fbfNfX,É,Í[ADHCP fT[fO[L,ÍŠ^"®,lf[fo,Í<L~^A<£[±,ª"¶,•,é%oÂ"\  
[«,Í, ,éfAfhfCEfX,ÍCEŸ[o[ABOOTP fe[fuf<"à,Í[ \[—Í•ñ,È,Ç,ªŠÜ,Ü,é,Ü,·[BSù'è,Í[Ÿ'è,Å,Í[A,±,é,ç,ÍlfvfVf#f",Í  
—LCEø,É,È,Á,Ä,ç,Ü,¹,ñ[B

ŠÖ~A[€-Ú

[fT[fO[L fvf[fpfefB] - ['S"É]

[BOOTP fe[fuf<]

## [fT[fO[f vjfpjefB] - [‘S”Ê]

,±,ìf\_cjAfpfo f{fbfNfX,íADHCP fT[fO[.ìŠ^“®,ìfO,đŽúW,μAfAfhfCEfX,ì<£,ì%oÂ“\  
«,đCEŸo,·,é,½,ß,ÉŽg,ç,Û,·B

€-Ú

[DHCP ffo]

[<£,ìCEŸo]

**[DHCP fofO]**

DHCP fT[fo[ ,iš^“@ ,lfO,đfefLjXfg ftf@fCf< (.log) ,ÉŽûW, ,é,É,íA,±,lf`fFbfN  
f{fbfNfX,đfj“,É,μ,Û,·B,±,lf@fCf<,íADHCP fT[fo[ ,ìáŠQ,Éí^ ,éÛ,É-đ-š,Â%oÂ“\«,ª, ,è,Û,·B

**[<£†,ìŒŸ□o]**

,±,ìfìfvìVf†f“,í□AIP fAfhfŒefX,É'í,μ,Ä DHCP fŠ□[fX,ð'ñ<Ÿ,.é'O,É DHCP fT□[fo□L,ªfAfhfŒefX,ðfefXfg,.é %ooñ□”,ðŽw'è,μ,Ü,.□B



**[BOOTP fe[fuf<]**

[BOOTP fe[fuf<] ,đŽg,Á,ÄAfCfR[fh,đ'Ç%ÁAíœA,Ü,½,Í•ÒW,·,é,±,Æ,ª,Å,«,Û,·B

BOOTP ,í DHCP ,ì'Og,Å,·,ªABOOTP ,ífAfhfCfX fš[fX,ÆŽö-½,ÌŠ"O,đTf|f[fg,μ,È,ç,Æ,ç,¤d—  
v,È'Š^á,ª, ,è,Û,·BBOOTP fNf%ofCfAf“fg,ÍABOOTP ÇđŠ·,É,æ,è—^ ,!,ç,è,½ IP fAfhfCfX,Í-³ŠúCÈÀ,ìŽö-  
½,đŽ,Á,Æ,Ý,È,μ,Û,·B

BOOTP ,ífAfhfCfXŠÇ—,ÍACEÅ'è"l,È—\-ñ,đ•K—v,Æ,·,ézfXfg,É'Í,·,é DHCP ,ífAfhfCfXŠÇ—,ÆŽ—,Ä,ç  
,Û,·B

BOOTP fNf%ofCfAf“fg,ÍADHCP ,ì—\-ñfNf%ofCfAf“fg,Æ" -l,É,μ,Ä\—,³,è,Û,·BfNf%ofCfAf“fg,ì—\-  
ñ,É,Å,ç,Ä,ìÚ×,ÍAfNf%ofCfAf“fg—\-ñ,đŠÇ—,·,é,đŽQÆ,μ,Ä,,¾,³,çB

fzfXfg,ª “Á'è,ìtf@fCf<-¼, ,é,ç,ìtf@fCf< fT[fœ[ ,đ BOOTP —v< ,Á•Ô,³,è,é•K—v,ª, ,éè±,ÍAŠÇ—  
ÇŽÖ,ÍA[DHCP flfvfVf†f“] f†fj...[ ,ì\—fpf%of[f^ ,đŽg,Á,ÄADHCP flfvfVf†f“ 066 , ,æ,Ñ 067 (fuf[fg  
fT[fœ[ fzfXfg-¼] ,Æ [fuf[fgftf@fCf<-¼]) ,đÝ'è,Å,«,Û,·B

**ftfB[f<fh**

[ 'Ç%Á

[í[œ]

[•ÒW]

ŠÖ~A€-Ú

fNf%ofCfAf“fg—\-ñ,đŠÇ—,·,é

[DHCP flfvfVf†f“]

## [ 'Ç%oÁ ]

BOOTP fe[]fuf<,ÉfGf“fgfŠ,đ'Ç%oÁ,·,é,É,í[]A,±,}f{f^f“,đfNfŠfbfN,μ,Ü,·[]Bfu[]fg fCf[][]fW[]Aftf@fCf<-  
¼[]A,“,æ,Ñftf@fCf< fT[]fo[][,đ IP fAfhfCEfX,ÅŽw'è,·,é•K—v,ª, ,è,Ü,·[]B

fu[]fg fCf[][]fW,í[]ABOOTP fNf%ofCfAf“fg,ª—v<[],·,éftf@fCf<,ìŽí—p,Å[]A,»,}fRf“fsf...[]f^,ìŽí—  
p,đŽ-•É,μ,Ü,·[]Bftf@fCf<-¼,í[]ADHCP fT[]fo[][,©,ç BOOTP fNf%ofCfAf“fg,É•Ô,ª,è,é[]AŽw'è,μ,½ftf@fCf<  
fT[]fo[][]ă,}ftf@fCf<,ì-¼'O,Å,·[]BfNf%ofCfAf“fg,í[]A—v<[],μ,½Ží—p,}fu[]fg fCf[][]fW,đ,±,}ftf@fCf<  
fT[]fo[][,ÅŽó,~Žæ,é,±,Æ,ª,Å,«,Ü,·[]B

**[iœ]**

BOOTP fe[fuf<, ©, çfGf"fgfŠ, ðiœ, ·, é, É, íA, ±, ðfNfŠfbfN, µ, Ü, ·B

**[•ÒW]**

BOOTP fe[fuf<,lfGf“fgfŠ,đ•ÒW,·,é,É,íA,±,lf{f^f“,đfNfŠfbfN,μ,Ü,·B

## [BOOTP fGf“fgfŠ,ì’Ç%oÁ]

,±,ìf\_fCfAf□fO f{fbfNfX,í□ABOOTP fNf%ofCfAf“fg,<sup>a</sup>•K—v,Æ,·,éŽŸ,ì□î•ñ,ð BOOTP fe□[fuf<,É’Ç  
%oÁ,·,é,½,ß,ÉŽg,ç,Ü,·□B

- fu□[fg fCf□□[fW□BBOOTP fNf%ofCfAf“fg,<sup>a</sup>—v<□,·,éftf@fCf<,ìŽí—p,Å□A,»,ìfRf“fsf...□[f^,ìŽí—  
p,ðŽ~•É,μ,Ü,·□B
- DHCP fT□[fo□[,©,ç BOOTP fNf%ofCfAf“fg,É•Ô,<sup>3</sup>è,éftf@fCf<—¼□B
- fu□[fg fCf□□[fW,<sup>a</sup>Žù,ß,ç,è,Á,ç,éft□[fo□□B

## DHCP fXfR[fv,É,Â,ç,Ä

DHCP fXfR[fv,Æ,íAftfufjfbfg,ì't,Å DHCP fNf%ofCfAf“fg fT[frfX,ðŽÀs,·,éRf“fsf...[f^,ìW,Ü,è,ì,±,Æ,Å,·BfXfR[fv,íAŠefTfufjfbfg,ìfpf%of[f^,ð'è<` ,·,é,½,ß,ÉŽg,ç,Ü,·B

ŠefXfR[fv,É,íAZÿ,ìvf[]pfefB,ª, ,è,Ü,·B

- —^,ì,ç,é,½ IP fAfhfCfX,ìTfufjfbfg,ðCè^'è,·,é,½,ß,ì^è^Ó,ìTfufjfbfg f}fXfN[]B
- fXfR[fv,ì[]Zž,ÉŠÇ—ZÖ,ªS,,,è“-,Ä,éfXfR[fv-¼[]B
- “@“ìfAfhfCfX,Æ<æ,É DHCP fNf%ofCfAf“fg,ÉS,,,è“-,Ä,ç,é,éfŠ[]fXŠúŠÔ,ì'[]B

ŠÖ~A[]€-Ú

fXfR[fv,ð[]-:·é

fXfR[fv,ìvf[]pfefB,ð·ï[]X:·é

fXfR[fv,ð[]í[]œ,·:é

fX[]fp[]fXfR[fv,ð[]-:,“æ,Ñ[]í[]œ,·:é

**fxfr[fv,ð]i-.,é**

fxfr[fv, .æ, ñfx[fpo[fxfr[fv,ð]i-]AŠÇ—A,Ü,½,í]íœ,.,é,É,íADHCP  
f}fí[fWff,ðŽg,í,È, .,é,í,È,è,Ü,¹,ñB

**V,μ,ç DHCP fxfr[fv,ð]i-.,é,É,í**

- [DHCP f}fí[fWff] fEfBf“fhfE,ì [DHCP fT[f]o[í] ^è—,ÁAfxfR[fv,ð]i-.,é,É,íT[f]o[í,ð'í,ð,μ,Ü,·]B
- [fxfr[fv] f}fí...[í] [í]i-], ðfNfŠfbfN,μ,Ü,·]B
- [í]i-.,é,É,ífxfr[fv,Á—p%Å^,È IP fAfhfCEfX,ì'í,ð'è< .,.,é,É,í[A[Š]žnfAfhfCEfX] f{fbfNfX,Æ [í]—  
¹fAfhfCEfX] f{fbfNfX,É[A'í,ì]œ“ª,ì IP fAfhfCEfX,Æ—“ò,ì IP fAfhfCEfX,ð“ü—í,μ,Ü,·]B  
fvf%ofCf}fŠ fT[f]o[í]ã,Á,±,ìfxfr[fv,ðfAfNfefBfu,É,.,é,É,í[A,±,ì]í•ñ,ð“ü—í,μ,È, .,é,í,È,è,Ü,¹,ñB
- [Tfuf]f]bfg f}fXfN] f{fbfNfX,É[A[Š]žnfAfhfCEfX] ,Æ [í]—¹fAfhfCEfX] ,ì',ÉŠí,Ä,ç,½Tfuf]f]bfg f}fXfN,ª•\  
Ž,¹,³,è,Ü,·]B Ù,È,é',ª•K—v,Á, .,é,±,Æ,ª,í,©,Á,Ä,ç,é]é]é]ÉŠO,í[A•Ž,¹,³,è,½'í,ðŽg,ç,Ü,·]B
- IP fAfhfCEfX fv[f,ì'í'í'á,ÁœŠO,.,é,É,ífxfr[fv,ð'è< .,.,é,É,í[A[œŠO'í'í] ,ðŽg,ç,Ü,·]B  
  - œŠO'í'í,ì]œ“ª,ì IP fAfhfCEfX,ð [Š]žnfAfhfCEfX] f{fbfNfX,É“ü—í,μ[AœŠO'í'í,ì—“ò,ì IP  
fAfhfCEfX,ð [í]—¹fAfhfCEfX] f{fbfNfX,É“ü—í,μ,Ü,·]B ZY,É[A[Ç%Å]  
ðfNfŠfbfN,μ,Ü,·]B Ù,©,È,è,ì]œŠO'í'í,ª, .,é,ì[A““ ,¶•ù-@,Á'è< ,μ,Ü,·]B
  - 'P^è,ì IP fAfhfCEfX,ðœŠO,.,é,É,í[AœŠO,.,é,É,í IP fAfhfCEfX,ð [Š]žnfAfhfCEfX] f{fbfNfX,É“ü—í,μ[A[í]  
—¹fAfhfCEfX] f{fbfNfX,ì<ó,ì,Ü,Ü,É,μ,Ü,·]B
  - œŠO'í'í,©,ç'P^è,ì IP fAfhfCEfX,Ü,½,í IP fAfhfCEfX'í'í,ðŽæ,è]œ,.,é,É,í[A[œŠO,.,é,É,ífxfr[fv,ð'è< .,.,é,É,í  
f{fbfNfX,Á—U“¹,ìfAfhfCEfX,Ü,½,í'í'í,ðfNfŠfbfN,μ[AŽY,É [í]í]œ, ðfNfŠfbfN,μ,Ü,·]B  
œŠO'í'í,É,í[A,Ü,©,ì DHCP fT[f]o[í]A'ñ DHCP fNf%ofCfAf“fg[AffBfXfNfCEfX f]o[í]NfXfe[fv]f}f[A,Ü,½,í  
RAS fNf%ofCfAf“fg,Æ PPP fNf%ofCfAf“fg,ÉŽè“ @,ÁŠ,,è“—,Á,½ IP fAfhfCEfX,ð[A,.,x,ÁŠÜ,ß,Ä,“ ,•K—  
v,ª, .,é,Ü,·]B
- fxfr[fv“à,ì IP fAfhfCEfX,ìfŠ[fXŠúŠÖ,ðŽw'è, .,é,É,í[A[ŠúŠÖ]  
 ,ðfNfŠfbfN,μ[AŽY,É[A[“ú]A[ŽžŠÖ]A,“ ,æ,Ñ [ª] ,ìŠef{fbfNfX,ÁAfAfhfCEfX fŠ[fX,ì',³,ð'è< .,.,é,í,ð“ü  
—í,μ,Ü,·]B  
fxfr[fv“à,ì IP fAfhfCEfX fŠ[fX,ìŠúCEÀ,ª]ø,è,È,ç,æ,ª,É,.,é,É,í[A[-³ŠúCEÀ] ,ðfNfŠfbfN,μ,Ü,·]B—  
³ŠúCEÀ[A,.,É,í,ç%oi±“¹,ÉfŠ[fX,ðŽg,ª,Æ,« ,í[A\ª,É'Ó,ª•K—v,Á,·]B
- [¼'O] f{fbfNfX,É[A128 •¶Žš,Ü,Á,ìfxfr[fv-¼,ð“ü—í,μ,Ü,·]B  
 ,» ,ìTfuf]f]bfg,ð•\, .,½,ß,ì“C^Ó,ì-¼'O,ðŽw'è,Á,« ,Ü,·]B-¼'O,É,í[A%opŽš[A“Žš[A,“ ,æ,ÑfncfTf“ ,ðŽg—  
p,Á,« ,Ü,·]B
- K—v,É%öz,¶,ÁAfxfR[fv,ÉŠÖ,.,é]à-¾,ð [fRf]f“fg] f{fbfNfX,É“ü—í,μ,Ü,·]B

'í

- fxfr[fv,ì]í]i-.,ð]i-¹,.,é,Æ[A]í]i-.,μ,½fxfr[fv,ªfAfNfefBfu,Á,È,ç,±,Æ,ð'Ó,.,é]f]bfgZ[fW,ª•\  
Ž,¹,³,è,Ü,·]B[í,ç] ,ðfNfŠfbfN,.,é,Æ[A]í]i-.,μ,½fxfr[fv,ì'¼,ç,ÉfAfNfefBfu%» ,³,è,Ü,·]B,½,¾,μ[A,±  
 ,ìfxfr[fv,É'í,.,é DHCP f]f]v]f}f“ ,ì'è< ,ðŠ@—¹,.,é,Ü,Á,í[A]V,μ,í]i-.,μ,½fxfr[fv,ðfAfNfefBfu,É,μ,È,ç,Á,ß,  
¾,³,ç]B
- IP fAfhfCEfX'í'í,É,í[A[Š]žnfAfhfCEfX] f{fbfNfX,“ ,æ,Ñ [í]—¹fAfhfCEfX] f{fbfNfX,É“ü—  
í,μ,½fAfhfCEfX,àŠÜ,Ü,è,Ü,·]B,±,ì'í'í,É,í[AŠù'¶,ì]Á'í,É]í]i-.,³,è,½Rf“fsf...[f^ ,ìfAfhfCEfX,ðŠÜ,ß,È,ç,æ,ª,  
É,μ,Á,¾,¾,ç]BfXfr[fv,ì'í'í,ª,±,è,ç,ì]Á“¹fAfhfCEfX,ðŠÜ,Ü,È,ç,æ,ª,É,.,é,©[A,Ü,½,í,±  
 ,é,ç,ì]Á“¹fAfhfCEfX,ðfxfr[fv,ì'í'í,©,ç'¼,ç,É]œŠO,μ,È, .,é,í,È,è,Ü,¹,ñB,Ü,½ADHCP fT[f]o[í]Ž'í,ì]Á“¹,É]í]  
í]i-.,³,è,Ä,ç,é,í,ÁADHCP fT[f]o[í,ì IP  
fAfhfCEfX,ªfXfr[fv,ì'í'í]ŠO,É, .,é,©[A,Ü,½,ìfxfr[fv,ì'í'í,©,ç]œŠO,³,è,Ä,ç,é,±,Æ,ðŠm“F,μ,Á,¾,¾,ç]B

**DHCP fxfr[fv,ðfAfNfefBfu,É,.,é,É,í**

- [fxfr[fv] f}fí...[í] [fAfNfefBfu%»] ,ðfNfŠfbfN,μ,Ü,·]B  
 'í,ð,μ,½fxfr[fv,ªe»]YfAfNfefBfu,É,È,Á,Ä,ç,é]é]é]é]í]A]f]f...[ ,ìRf]f“fh-¼,í [“ñfAfNfefBfu%»]  
 ,É•í,í,è,Ü,·]B

ŠÖ~A]€-Ü

fx[fpo[fxfr[fv,ð]i-.,æ,Ñ]í]œ,.,é





## fx[]fp[]fxfr[]fv

fx[]fp[]fxfr[]fv, í[]ADHCP ft[]fo[], É•Ê, ÌŠK'wfCFxf<, ð'Ç  
%oÁ, µ, Ü, ·[]Bfx[]fp[]fxfr[]fv, í[]Aft[]fo[], ÌfEfBf"fhfE<æ%oæ, Ì%oº, É[]d, È, ç, è, Ü, ·[]Bfx[]fp[]fxfr[]fv, ðŽg, x  
, ±, Æ, É, æ, è[]ADHCP ft[]fo[], í[]Afc[]ftfjfbfg fzfof[]fg, È, Ç, Ì'P^è, Ì•" —[]ftfufjfbfg[]ă, Å[]A•i[]", Ì~\_ —[]IP  
ftfufjfbfg, ðŠÇ —[], Å, «, é, æ, x, É, È, è, Ü, ·[]Bfx[]fp[]fxfr[]fv, í[]A" —[]%o, ÌCEv  
%oæ, æ, è, à'½", ÌfzfXfg, ðfjfbfgf[][]fN, É'Ç  
%oÁ, µ, È, -, è, Ì, È, ç, È, ç[]ê[]#, â[]Aflfbfgf[][]fN"Ôt, ð•t, '¼, ·[]ê[]#, É•Ö—~, Å, ·[]B  
'P^è, Ìfx[]fp[]fxfr[]fv"à, É•i[], Ì^Ù, È, éfxfr[]fv, ðfof<[]fv%o», ·, é, ±  
, Æ, º, Å, «, Ü, ·[]B, », Ì[]ê[]#[]A, », è, ç, Ìfxfr[]fv, í[]AZqfxfr[]fv, ÆCEÄ, Ì, è, Ü, ·[]B

**fXfR[fv,lfvf]pfefB,đ•iX,•,é**

fTfufjfbfg ID ,ÆfAfhfCEfX fvf<,đfXfR[fv,lfvf]pfefB,Æ,č,č,Ü,•B

Šù'¶,lfXfR[fv,lfvf]pfefB,í•iX,Ä,«,Ü,•B

fAfNfefBfu,ÈfŠ[fX,đŠÜ,þfAfhfCEfX"í^í,íœŠO,Ä,«,Ü,¹,ňB,Ü,, AfAfNfefBfu,ÈfŠ[fX,đíœ,µAŽŸ,ÉœŠ  
O,đÄ"xŽÄs,µ,Ü,•B

fXfR[fv,lfAfhfCEfX"í^í,đŠg'â,•,é,±,Æ,í,Ä,«,Ü,•,ªA□k□¬,•,é,±

,Æ,í,Ä,«,Ü,¹,ňB,½,¾,µAfAfhfCEfX"í^í,©,ç"Á'è,lfAfhfCEfX,đœŠO,•,é,±,Æ,í%Ä"\,Ä,•B

**DHCP fXfR[fv,lfvf]pfefB,đ'è` ,•,é,É,í**

1 [DHCP f]fj[fWff] fEfBf"fhfE,ì [DHCP fT[fo[] ^ê—,ÄAfvf]pfefB,đ•iX,•,é,fXfR[fv,đ'í'đ,µ,Ü,•B

2 [fXfR[fv] f□fj...□[,ì [fv]pfefB] ,đfNfŠfbfN,µ,Ü,•B

3 fXfR[fv,ì'ì,ì•iX,ìÚ□×,É,Ä,č,Ä,íA□ufXfR[fv,đ□□¬,•,é□v,đŽQ□Æ,µ,Ä,,¾,³,č□B

ŠÖ~A□€-Ú

fNf%œfCfAf"fg fŠ[fX,đŠC—□,•,é

**fXfR[fv,đíœ,·,é**

fTfu|f|bfg,|Žg—p,đ,â,ß,é,Æ,«,È,ÇAŠù'¶,|fXfR[fv,ª•s—v,É,È,Á,½,Æ,«,ÍADHCP  
f}f|f|fwff,đŽg,Á,ÄfXfR[fv,đíœ,Á,«,Ü,·BfXfR[fv"à,ì IP fAfhfCEfX,ªfŠ[fX,Ü,½,ÍŽg—p,ª,é,Ä,ç  
,é,é,é,í,íA,·,x,Ä,|fNf%ofCfAf"fg fŠ[fX,ì—LCEøŠúCEÀ,ªØ,é,é,©A,·,x,Ä,|fNf%ofCfAf"fg fŠ[fX,ì%,,·—  
v<ª,ª"Ü,ª,é,é,Ü,ÄAfXfR[fv,đ"ñfAfNfefBfu%»»,µ,Ä,·,•K—v,ª, ,è,Ü,·B

fXfR[fv,ª"ñfAfNfefBfu%»»,ª,é,é,ÆA,»,|fXfR[fv,|fŠ[fX—v<Ü,½,í,«Š·,|—v<É'í,·,éŠm" F  
%ož"š,đs,í,È,,È,è,Ü,·B,µ,½,ª,Á,ÄAŠù'¶,|fNf%ofCfAf"fg,í,«Š·,|Žž,ÉfŠ[fX,đŽ,·çA—~p%oÄ"\  
,È,Ü,©,ì DHCP fT[fó[.ÄÄ\→,·,é,±,Æ,É,È,è,Ü,·B,·,x,Ä,|fNf  
%ofCfAf"fg,ªV,µ,çfXfR[fv,ÉfXf€[fY,É^Ús,Á,«,é,æ,æ,É,·,é,É,íA,È,-  
,Æ,àfŠ[fXŠúŠÖ,ì"¼ªA,Ü,½,í,·,x,Ä,|fNf  
%ofCfAf"fg,ª,Ü,©,|fXfR[fv,Éžè"®,Á^Ú"®,ª,é,é,Ü,Ä,ìŠÖAíœ,·,éfXfR[fv,đ"ñfAfNfefBfu  
%o»»,µ,Ä,·,«,Ü,·BfNf%ofCfAf"fg,đ,Ü,©,|fXfR[fv,Éžè"®,Á^Ú"®,·,é,É,íAfNf%ofCfAf"fg fRf"fsf...  
[f^,|fRf}f"fh fvf"fvfg,Á **ipconfig /renew** ,Æ"ü—í,µAZŽ,ÉA•K—v,É%ož,¶,ÄfRf"fsf...  
[f^,đÄ<N"®,µ,Ü,·B

**fXfR[fv,đíœ,·,é,É,í**

- 1 [DHCP f}f|f|fwff] fEfBf"fhfE,ì [DHCP fT[fó[ ] ^è—,ÄAíœ,·,éfXfR[fv,đ'í,đ,µ,Ü,·B  
fXfR[fv,ªŽg,í,é,Ä,ç,È,ç,±,Æ,ªŠm" F,Á,«,é,Ü,ÄAfXfR[fv,đ"ñfAfNfefBfu%»»,µ,Ä,·,«,Ü,·B
- 2 [fXfR[fv] f|fj...[,ì ["ñfAfNfefBfu%o»] ,đfNfŠfbfN,µ,Ü,·B  
fXfR[fv,ª"ñfAfNfefBfu,É,È,é,ÆAfRf}f"fh-¼,í [fAfNfefBfu%o»] ,É·í,í,è,Ü,·B
- 3 [fXfR[fv] f|fj...[,ì [íœ] ,đfNfŠfbfN,µ,Ü,·B

**fX [fp [fXfR [fv, ð ñ ò ñ, , æ, Ñ í ò œ, , é**

fX [fp [fXfR [fv, ð Ž g, x, ±, Æ, É, æ, è ADHCP fT [fo [l, í AfC [fTf fbf g fZfOf f" fg, È, Ç, ì P ^ è, ì • —  
[ fTfu f fbf g ã, Å A • i " , ì \_ — IP fTfu f fbf g, ð Š Ç — , , é, ±, Æ, ð, Å, «, é, æ, x  
, È, È, è, Û, · B P ^ è, ì fX [fp [fXfR [fv, É • i " , ì ^ Û, È, é fXfR [fv, ð ' Ç % Á, Å, «, é, ½, ß A " — % , ì C v  
% œ æ, è, à ' ½ " , ì fzfXfg, ð f fbf g f [fN, É ' Ç  
% Á, µ, È, , é, ì, È, ç, È, ç, ê ð #, à Af fbf g f [fN " Ó ð t, ð • t, ' ¼, · ð ê #, É • Ö —  
~ , Å, · B fX [fp [fXfR [fv, à, É Š Û, Û, é, é fXfR [fv, í A Ž qfXfR [fv, Æ C E Ä, ì, è, Û, · B

**fX [fp [fXfR [fv, ð ñ ò ñ, , é, É, í**

- 1 [fXfR [fv] f [fj f ... [l, ì [fX [fp [fXfR [fv] , ð fNf Š fbfN, µ, Û, · B
- 2 [fX [fp [fXfR [fv, ì ñ ò ñ] , ð fNf Š fbfN, µ, Û, · B
- 3 fX [fp [fXfR [fv, ì -¼ ' O, ð " ü — í, µ A [OK] , ð fNf Š fbfN, µ, Û, · B

**fX [fp [fXfR [fv, ð í ò œ, , é, É, í**

- 1 [fX [fp [fXfR [fv -¼ ] ^ è — , Å A í ò œ, , é fX [fp [fXfR [fv, ì -¼ ' O, ð ' ì ð, µ, Û, · B
- 2 [fX [fp [fXfR [fv, ì í ò œ] , ð fNf Š fbfN, µ, Û, · B

'  
▪ fX [fp [fXfR [fv, ð í ò œ, µ, Ä, à A Ž qfXfR [fv, í ò œ, ð, è, Û, ð, ñ B

Š Ö ~ A [€ - Û

fX [fp [fXfR [fv, É fXfR [fv, ð ' Ç % Á, , æ, Ñ í ò œ, , é

**fX[fp[fXfR[fv,ÉfXfR[fv,ð'Ç%Á,¨,æ,Ñíœ,·,é**

**fX[fp[fXfR[fv,ÉfXfR[fv,ð'Ç%Á,·,é,É,Í**

1 [fXfR[fv] fñfj...[,ì [fX[fp[fXfR[fv] ,ðfNfŠfbfN,μ,Û,·B

2 [fX[fp[fXfR[fv-¼] ^ê—,ÅAfXfR[fv,ð'Ç%Á,·,éfX[fp[fXfR[fv,ì-¼'O,ð'I'ð,μ,Û,·B

3 [—~—p%Á"\,ÉfXfR[fv] ^ê—,ÅfXfR[fv,ð'I'ð,μA[Ç%Á] ,ðfNfŠfbfN,μ,Û,·B

**fX[fp[fXfR[fv,©,çfXfR[fv,ðíœ,·,é,É,Í**

▶ [ŽqfXfR[fv] ^ê—,ÅfXfR[fv,ð'I'ð,μA[íœ] ,ðfNfŠfbfN,μ,Û,·B

**[fX][fp][fXfR][fv,ì]ì-]**

fX[fp][fXfR][fv,ì-¼'O,ð"ü—í,μ,Ü,·B

**DHCP flfvfVf#f" f^fCfv,É,Â,ç,Ä**

DHCP fT[f]o[f],afNf%ofCfAf"fg,ÉŠ,,è"-,Ä,é\[-f]pf%of[f]^,íADHCP f}f[f]Wff,ðŽg,Á,Ä DHCP flfvfVf#f",Æ,μ,Ä'è<` ,μ,Ü,·B,½,¾,μA^è"Ê,ÉŽw'è,·,é•K—v,ª, ,é,Ü,Æ,ñ,Ç,lflfvfVf#f",íAfCf"f^f[f]fbfg flfbfgf[f]N[ì<ÆfOf<[fv,É,æ,Á,Ä RFC 1541 ,Ä'è<` ,³,è,½•W[€,lf]pf%of[f]^,ðŠí,ÉA, ,ç,©,¶,ß'è<` ,³,è,Ä,ç ,Ü,·B

DHCP fXfR[f]v,ð\[-,·,é,Æ,«,íAflfvfVf#f" f^fCfv,ðŠ,,è"-,Ä,é,±,Æ,É,æ,Á,ÄA,·,·,×,Ä,ì\[-f]pf %of[f]^,ð§Eä,Ä,«,Ü,·BflfvfVf#f" f^fCfv,íA'è<` A•ÒW[A,Ü,½,íí[œ,Ä,«,Ü,·B

ŠÖ~A[€-Ú

DHCP \[-flfvfVf#f",ðŠ,,è"-,Ä,é

'è<`[í,Ý DHCP fNf%ofCfAf"fg\[-flfvfVf#f"

V,μ,çflfvfVf#f" f^fCfv,ð'C%oÄ,-,é

**DHCP [ ] -fifvfVfjf" ,đŠ,,è"- ,Ä,é**

IP fAfhfCEfX [ ] •ñ, É%oÁ, ĀADHCP fNf%oCfAf"fg, É"n, ,» , Ì, ©, Ì DHCP fifvfVfjf" , àAfXfR [ ] [fv, ? ,Æ, É [ ] [ ] - , μ, È, , è, Ì, È, è, Û, , ñ [ ] B

fifvfVfjf" , [ ] A, , x, Ä, ĩXfR [ ] [fv, É'Í, μ, ÄfOf [ ] [fof<, É'è< , , é, ±, Æ, à [ ] A'Í'đ, μ, ½fXfR [ ] [fv, Û, ½, ÍCEÄ•É, Ì DHCP fNf %oCfAf"fg, É'Í, μ, Ä'è< , , é, ±, Æ, à, Ä, «, Û, [ ] B

- fAfNfefBfu, ÈfOf [ ] [fof< fifvfVfjf" f^fCfv, [ ] AfXfR [ ] [fv, Û, ½, Í DHCP fNf %oCfAf"fg, É'Í, , è [ ] Y'è, Ä [ ] ä [ ] , «, , ³, È, çCEÄ, è [ ] A [ ] í, É"K-p, , ³, è, Û, [ ] B
- fXfR [ ] [fv, É'Í, μ, ÄfAfNfefBfu, ÈfifvfVfjf" f^fCfv, [ ] ACEÄ•É, Ì DHCP fNf %oCfAf"fg, É'Í, , è [ ] Y'è, Ä [ ] ä [ ] , «, , ³, È, çCEÄ, è [ ] A, » , ĩXfR [ ] [fv" à, Ì, , x, Ä, ĩRf"fsf... [ ] f^ , É"K-p, , ³, è, Û, [ ] B

Microsoft DHCP fifbfjgf [ ] [fN fpfPfbfg, Ä, [ ] ADHCP fifvfVfjf" , Ì, ½, B, É 312 fofCfg, ðŠ,, è"- , Ä, ç, è, Ä, ç, Û, [ ] B, ± , è, [ ] A'â • •ª, ĩfifvfVfjf" [ ] [ ] - , É, Æ, Ä, Ä [ ] \ •ª, È'â, «, , ³, Ä, [ ] BDHCP fT [ ] [fo [ ] [ , â DHCP fNf %oCfAf"fg, É, æ, Ä, Ä, [ ] ADHCP fpfPfbfg, ĩŽg, í, è, Ä, ç, È, ç - ĩ^æ, É, , ³, ç, ÈfifvfVfjf" , ðŠ,, è"- , Ä, é, ± , Æ, ª, Ä, «, Û, [ ] BfifvfVfjf" f [ ] [fo [ ] [fCEfC, ÆCEÄ, ĩ, è, é, ±, ĩ<@ "\, [ ] AMicrosoft DHCP fT [ ] [fo [ ] [ , Ä, ĩftf [ ] [fg, , ³, è, Ä, ç , Û, , ñ [ ] B312 fofCfg, æ, è'â, «, , ç - ĩ^æ, ðŽg, x, Æ [ ] AfifvfVfjf" [ ] Y'è, Ì'è • , ªŽ , í, è, Û, [ ] B, ±, ĩ, æ, x, È [ ] è [ ] [ , [ ] AŽg - p, μ, È, çfifvfVfjf" , à [ ] d - v, Ä, Í, È, çfifvfVfjf" , ð [ ] [ ] œ, μ, Ä, , ¾, ³, ç [ ] B

fT [ ] [fh fp [ ] [fefB [ ] » , Ì DHCP fT [ ] [fo [ ] [ , ðŽg, Ä, Ä, ç, è [ ] è [ ] [ , [ ] AMicrosoft DHCP fNf%oCfAf"fg, ªfifvfVfjf" f [ ] [fo [ ] [fCEfC, ðftf [ ] [fg, μ, Ä, ç, È, ç, ±, Æ, È' [ ] ^ Ó, μ, Ä, , ¾, ³, ç [ ] BfifvfVfjf" fZfbfg, ª 312 fofCfg, ð' , , ĩ, è [ ] è [ ] [ , [ ] AMicrosoft DHCP fNf%oCfAf"fg, ªŽg, x [ ] Y'è, ª [ ] AfifvfVfjf" , ĩ'è - — , ĩ [ ] A [ ] % , ÈŠÛ, Û, è, Ä, ç, é, ±, Æ, ðŠm" F, μ, Ä, , ¾, ³, ç [ ] BMicrosoft DHCP fNf%oCfAf"fg, [ ] A [ ] Ä [ ] % , Ì 312 fofCfg, ð' , , ĩ, è [ ] Y'è, ĩ'Ç, YŽæ, è, Û, , ñ [ ] B

**DHCP [ ] -fifvfVfjf" ,đŠ,,è"- ,Ä,é,É,Í**

- [ DHCP f } f [ ] [fwff] fEfBf"fhfE, ĩ [ DHCP fT [ ] [fo [ ] [ ] ^è - — , Ä [ ] A [ ] [ ] - , , éfXfR [ ] [fv, ð'Í'đ, μ, Û, [ ] B
- CE» [ ] Y'Í'đ, μ, Ä, ç, éft [ ] [fo [ ] [ ] ä, Ì, , x, Ä, ĩXfR [ ] [fv, É'Í, μ, ÄfifvfVfjf" [ ] Y'è, ð'è< , , é [ ] è [ ] [ , [ ] A [ DHCP fifvfVfjf" ] f [ ] [ff... [ ] [ , ĩ [ ] fOf [ ] [fof< ] , ðfNfŠfbfN, μ, Û, [ ] B [ DHCP f } f [ ] [fwff] fEfBf"fhfE, ÄCE» [ ] Y'Í'đ, μ, Ä, ç , éfXfR [ ] [fv, É'Í, μ, ÄfifvfVfjf" [ ] Y'è, ð'è< , , é [ ] è [ ] [ , [ ] A [ DHCP fifvfVfjf" ] f [ ] [ff... [ ] [ , ĩ [ ] XfR [ ] [fv ] , ðfNfŠfbfN, μ, Û, [ ] B
- [ Žg - p, μ, È, çfifvfVfjf" ] ^è - — , Ä [ ] A "K - p, , é DHCP fifvfVfjf" , ĩ - ¼' O, ð'Í'đ, μ, Û, [ ] BŽY, É [ ] A [ 'Ç%oÁ ] , ðfNfŠfbfN, μ [ ] A'Í'đ, μ, ½fifvfVfjf" - ¼, ð [ Žg - p, , éfifvfVfjf" ] ^è - — , É'Ú" © , μ, Û, [ ] B  
^è - — , É, [ ] A'è< [ ] [ , YfifvfVfjf" , Æ"ÆŽ © , É [ ] [ ] - , μ, ½fifvfVfjf" , ĩ - ¼ • Û, ª • \ Ž, , ³, è, Û, [ ] B, ½, Æ, ĩ, [ ] AfRf"fsf... [ ] f^ , É DNS fT [ ] [fo [ ] [ , ðŽw'è , , é [ ] è [ ] [ , [ ] A [ Žg - p, μ, È, çfifvfVfjf" ] ^è - — , ĩ [ ] [006 DNS fT [ ] [fo [ ] [ , ðfNfŠfbfN, μ [ ] AŽY, É [ 'Ç%oÁ ] , ðfNfŠfbfN, μ, Û, [ ] B  
, ±, ĩfNf%oX, É'Í, μ, ÄŠ,, è"- , Ä, ç, è, Ä, ç, é DHCP fifvfVfjf" , ð [ ] [ ] œ, , é [ ] è [ ] [ , [ ] A [ Žg - p, , éfifvfVfjf" ] f {fbfNfX, Ä [ ] A [ ] [ ] œ, , éfifvfVfjf" , ĩ - ¼' O, ðfNfŠfbfN, μ [ ] AŽY, É [ ] [ ] [ ] , ðfNfŠfbfN, μ, Û, [ ] B
- fAfNfefBfu, ÈfifvfVfjf" , ĩ'Í, ð'è< , , é, É, [ ] A [ Žg - p, , éfifvfVfjf" ] f {fbfNfX, Ä [ ] A'Í, ð'è< , , éfifvfVfjf" , ĩ - ¼' O, ðfNfŠfbfN, μ [ ] A [ 'Í ] , ðfNfŠfbfN, μ, Û, [ ] B • Ó [ ] W, , é"à - e, , æ, Ñ • ù - @, [ ] AfifvfVfjf" , ĩff [ ] [f^ CE ^ , É %ož, [ ] , ÄŽY, ĩ, æ, x, È^ Û, È, è, Û, [ ] B  
  - IP fAfhfCEfX, [ ] è [ ] [ , [ ] A'Í'đ, μ, ½fifvfVfjf" , ÈŠ,, è"- , Ä, éfAfhfCEfX, ð"ü - Í, μ, Û, [ ] B
  - [ ] "Í, [ ] è [ ] [ , [ ] A "K [ ] Ø, É 10 [ ] 'Í, Û, ½, ĩ 16 [ ] 'Í, ð"ü - Í, μ, Û, [ ] B
  - • [ ] Žš - ñ, [ ] è [ ] [ , [ ] A • [ ] Žš, Û, ½, [ ] "Žš, © , ç, È, é"K [ ] Ø, É ASCII • [ ] Žš - ñ, ð"ü - Í, μ, Û, [ ] B

, ½, Æ, ĩ, [ ] ADHCP fNf%oCfAf"fg, ªŽg, x DNS f [ ] [fE fT [ ] [fo [ ] [ , ðŽw'è , , é, É, [ ] A [ Žg - p, , éfifvfVfjf" ] ^è - — , ĩ [ ] [006 DNS fT [ ] [fo [ ] [ , ðfNfŠfbfN, μ [ ] AŽY, É [ ] A [ "z - ñ, ĩ • Ó [ ] W ] , ðfNfŠfbfN, μ, Ä DNS fT [ ] [fo [ ] [ ĩ IP fAfhfCEfX, ĩ'è - — , ð"ü - Í, μ, Û, [ ] B ^è - — , [ ] æ"ª, ĩft [ ] [fo [ ] [ , © , ç [ ] [ , ÈŽQ [ ] Æ, , ³, è, é, ½, B [ ] A - D [ ] æ" x, [ ] [ , ç , à, ĩ, © , ç [ ] [ , É DNS fT [ ] [fo [ ] [ , ĩfAfhfCEfX, ð"ü - Í, μ, Û, [ ] B



**fifvfVf#f",i'l,ð•iX,.,é**

'è<`□ī,Ÿ DHCP fifvfVf#f" f^fCfv,,"æ,Ñ"ÆŽ©,É□□-μ,½ffXf^f€ DHCP fifvfVf#f" f^fCfv,i'l,í•iX,Å,«,Ü,·□B  
IP fAfhfCEfX,i"z-ñ,ðŽg,xfifvfVf#f",í□A0.0.0.0 ,əŠù'è'l,Å,·□B,±,ì,æ,π  
,ÉfifvfVf#f",ðŽg,π□é□#,í□AŠù'è'l,ð□Ā□Ý'è,μ,Ā,,¾,¾,ç□B,Ü,½,í□AŠY"-.,éfifvfVf#f",ðfOf□□[fof<,ÉŠ,,,è"-  
,Ā,é,Æ,«,â'l'ð,μ,½fXfR□[fv,ÉŠ,,,è"-,Ā,é,Æ,«,É□A•K,,•Ē,i'l,ð□Ý'è,μ,Ā,,¾,¾,ç□B□Ú□x,É,Ā,ç,Ā,í□A□uDHCP  
□□-fifvfVf#f",ðŠ,,,è"-,Ā,é□v,ðŽQ□Æ,μ,Ā,,¾,¾,ç□B

**fifvfVf#f" f^fCfv,i'l,ð•iX,.,é,É,í**

- 1 [DHCP fifvfVf#f"] f□ffj...□[.l [Šù'è'l] ,ðfNfŠfbfN,μ,Ü,·□B
- 2 [fifvfVf#f" fNf%ofX] ^è—,Ā□A'l,ð•iX,.,éfifvfVf#f" fNf%ofX,ðfNfŠfbfN,μ,Ü,·□B
- 3 fifvfVf#f",ìŠù'è'l,ð•iX,.,é□é□#,í□A[fifvfVf#f"-¼] ^è—,Ā•iX,.,éfifvfVf#f",ðfNfŠfbfN,μ□A[']  
f{fbfNfX,Ā□V,μ,ç'l,ð□Ý'è,μ,Ü,·□B  
fifvfVf#f",ìŽí—p,É%ž,¶,Ā•\Ž!,¾,é,é [•Ò□W] ,ðfNfŠfbfN,.,é,Æ□A•¶Žš—ñ□AIP fAfhfCEfX,i"z—  
ñ□A,Ü,½,ífofCfifŠ'l,ð•Ò□W,.,é,½,B,ì"Ā•Ē,Èf\_fCfA□fO f{fbfNfX,ə•\Ž!,¾,é,Ü,·□B
- 4 ffXf^f€ fifvfVf#f",ìŠi-{"l,È—v'f,ð•iX,.,é□é□#,í□A[fifvfVf#f"-¼] ^è—,ĀffXf^f€  
fifvfVf#f",ðfNfŠfbfN,μ□AŽŸ,É [•iX] ,ðfNfŠfbfN,μ,Ü,·□B  
fifvfVf#f" f^fCfv,ì-¼'O□Aff□[f^CE^□AID□A,,"æ,ÑfR□f"fg,í•iX,Å,«,Ü,·□B•iX,ìŽè□#,É,Ā,ç  
,Ā,í□A□u□V,μ,çfifvfVf#f" f^fCfv,ð'Ç%Ā,.,é□v,ðŽQ□Æ,μ,Ā,,¾,¾,ç□B

**□V,μ,ϕflfvfVf#f“ f^fCfv,δ'Ç%Á,·,é**

DHCP fNf%ofCfAf“fg□□-□î•ñ,É,Í□AfffXf^f€ fpf%of□□[f^,δ'Ç%Á,Á,«,Ü,·□B,Ü,½□A'è<`□İ,Ý DHCP flfvfVf#f“ f^fCfv,ì'l,â,Ù,©,ì-v'f,δ•ì□X,·,é,±,Æ,à,Á,«,Ü,·□B

**□V,μ,ϕflfvfVf#f“ f^fCfv,δ'Ç%Á,·,é,É,Í**

- 1 [DHCP flfvfVf#f“] f□ffj...□[.ì [Šù'è'l] ,δfNfŠfbfN,μ,Ü,·□B
- 2 [flfvfVf#f“ fNf%ofX] ^è—,Á□A□V,μ,ϕflfvfVf#f“ f^fCfv,δ'Ç%Á,·,é,fNf%ofX,δfNfŠfbfN,μ□AZÏ,É [□V<K] ,δfNfŠfbfN,μ,Ü,·□B  
flfvfVf#f“ fNf%ofX,É,Í□ADHCP,ì)•W□€flfvfVf#f“ ,Ü,½,í“ÆŽ©,É'Ç%Á,μ,½“C^Ó,ìffjXf^f€ flfvfVf#f“ ,δŠÜ,ß,é,±,Æ,ª,Á,«,Ü,·□B
- 3 [-¼'Ó] f{fbfNfX,É□A□V,μ,ϕflfvfVf#f“-¼,δ“ü—í,μ,Ü,·□B
- 4 [ff□[f^CE^] ^è—,Á□AflfvfVf#f“ ,ìff□[f^CE^ ,δfNfŠfbfN,μ,Ü,·□B,» ,è,¼,è,ìff□[f^CE^ ,É,Á,ç,Ä,Í□AZÏ,ì□à-¾,δŽQ□Æ,μ,Ä,,¾,¾,ç□B  
[fofCfifŠ] ,Í□AfofCfG,ì”z—ñ,Á•\CE»,¾,é,l,Á,·□B  
[fofCfG] ,Í□A8 frfbfg,ì•„□t,È,μ□@□” ,Á,·□B  
[ffjvfZf<%»] ,Í□A•„□t,È,μfofCfG,ì”z—ñ,Á,·□B  
[IP fAfhfCEfX] ,Í□Aw.x.y.z CE`Ž@,ì IP fAfhfCEfX,Á,·□B  
[Long CE^] ,Í□A32 frfbfg,ì•„□t•t,«□@□” ,Á,·□B  
[Long CE^□@□”] ,Í□A32 frfbfg,ì•„□t,È,μ□@□” ,Á,·□B  
[•¶Žš—ñ] ,Í□AASCII fefLfXfg•¶Žš—ñ,Á,·□B  
[f□□[fh] ,Í□A16 frfbfg,ì•„□t,È,μ□@□” ,Á,·□B
- 5 ff□[f^CE^ ,a”z—ñ,δ•\,·□è□#,Í□A[“z—ñ] f^fFfbfN f{fbfNfX,δfif“ ,É,μ,Ü,·□B
- 6 [ID] f{fbfNfX,É□A,±,ìflfvfVf#f“ f^fCfv,ÉŠÖ~A•t,¯ ,é^è^Ó,ìfR□[fh]“Ó□t,δ“ü—í,μ,Ü,·□B  
“ü—í,·,é”Ó□t,ª^è^Ó,Á,È,¯ ,è,ì,È,ç,È,ç,±,Æ,É'□^Ó,μ,Ä,,¾,¾,ç□BDHCP f}fì□[fWff,Í□AfGf“fgfŠ,ª□d•i,μ,Ä,ç ,é,©,Ç,x,©,ì'²,x,Ü,¹,ñ□B
- 7 [fRf□“fg] f{fbfNfX,ÉflfvfVf#f“ f^fCfv,ÉŠÖ,·,é□à-¾,δ“ü—í,μ□AZÏ,É [OK] ,δfNfŠfbfN,μ,Ü,·□B
- 8 [DHCP flfvfVf#f“□F Šù'è'l] f\_CfAf□fO f{fbfNfX,ì [ 'l] f{fbfNfX,Á□AflfvfVf#f“ f^fCfv,ìŠù'è'l,δ“ü—í,μ,Ü,·□B

**flfvfVf#f“ f^fCfv,δ□í□œ,·,é,É,Í**

- 1 [DHCP flfvfVf#f“] f□ffj...□[.ì [Šù'è'l] ,δfNfŠfbfN,μ,Ü,·□B
  - 2 [flfvfVf#f“ fNf%ofX] ^è—,Á□AŠÖ~A,·,éflfvfVf#f“ fNf%ofX,δfNfŠfbfN,μ,Ü,·□B
  - 3 [flfvfVf#f“-¼] ^è—,Á□A□í□œ,·,éflfvfVf#f“ ,δfNfŠfbfN,μ□AZÏ,É [□í□œ] ,δfNfŠfbfN,μ,Ü,·□B
- '□
- fffXf^f€ flfvfVf#f“ f^fCfv,Í□í□œ,Á,«,Ü,·,ª□A'è<`□İ,ÝflfvfVf#f“ f^fCfv,Í□í□œ,Á,«,Ü,¹,ñ□B

**—\-ñ—p,ìfìfvfVf†f“,đ'è<` ,.é**

—\-ñ IP fAfhfCFX,đŽg,α DHCP fNf%oCfAf“fg,É'í,μ,Ä,íADHCP fìfvfVf†f“,đŠ,,è—  
,ÄA fJfXf^f€'l,đŽw'è,.,é,±,Æ,²,Å,«,Ü,·B—\-ñ,íA[—\-ñfNf%oCfAf“fg,ì'Ç%oÁ] f\_fCfAf†fO  
f{fbfNfX,Ä□□¬,μ,Ü,·B

**—\-ñ—p,ìfìfvfVf†f“,đ•ï□X,.,é,É,í**

- 1 [fXfR□[fv] f□fjf...□[.],ì [fAfNfefBfu fŠ□[fX] ,đfNfŠfbfN,μ,Ü,·B
- 2 [fNf%oCfAf“fg] ^ê—,ÄA fìfvfVf†f“,đ•ï□X,.,éfNf%oCfAf“fg,đfNfŠfbfN,μ□A[fvf□fpfefB]  
,đfNfŠfbfN,μ,Ü,·BŽŸ,É□A[fìfvfVf†f“] ,đfNfŠfbfN,μ,Ü,·B  
[fìfvfVf†f“] f{f^f“,đ—~—p,Å,«,é,ì,í□A—\-ñfAfhfCFX,ì□é□†,¾, -,Ä,·B“@“l fAfhfCFX,đŽ□,Ä DHCP fNf  
%oCfAf“fg,ì□é□†□A,±,ìf{f^f“,í—~—p,Å,«,Ü,¹,ñ□B
- 3 [DHCP fìfvfVf†f“□F —\-ñ] f\_fCfAf†fO f{fbfNfX,ì [Žg—p,μ,È,çfìfvfVf†f“] ^ê—,ÄfìfvfVf†f“-  
¼,đfNfŠfbfN,μ,Ü,·BŽŸ,É□A[‘Ç%oÁ] ,đfNfŠfbfN,μ□A'ì'đ,μ,½-¼'O,đ [Žg—p,.,éfìfvfVf†f“] ^ê—  
,É^Ú“@,μ,Ü,·B  
—\-ñfAfhfCFX,ÉŠ,,è—,Ä,ç,ê,Ä,ç,éfìfvfVf†f“ f^fCfv,đ□□œ,.,é□é□†,í□A[Žg—p,.,éfìfvfVf†f“] ^ê—  
,Ä□A□□œ,.,éfìfvfVf†f“,ì-¼'O,đfNfŠfbfN,μ□AZŸ,É [□□œ] ,đfNfŠfbfN,μ,Ü,·B
- 4 [Žg—p,.,éfìfvfVf†f“] ^ê—,Ä'ì'đ,μ,½fìfvfVf†f“,ì'ì,đ•ï□X,.,é,É,í□A[‘l] ,đfNfŠfbfN,μ□AZŸ,É□ACE»□Ÿ,ì'l,²·\  
Žl,³,ê,Ä,ç,éf{fbfNfX,É□V,μ,ç'l,đ“ü—í,μ,Ü,·B

—\-ñ

“Á’è,ì DHCP fNf%ofCfAf“fg,ì,½,ß,É—\-ñ,³,ê,Ä,ç,é IP fAfhfÇfX,Å,·B[fXfR□[fv] f□fjf...□[,ì [—\-ñ,ì’Ç%oÁ]  
.đNfŠfbfN,·,é,Æ□ADHCP ff□[f^fx□[fX“à,É—\-ñfNf%ofCfAf“fg—p,ìfGf“fgfŠ,²□ì□¬,³,ê,Ü,·B

'è<`ï,Ý DHCP fNf%oCfAf“fg\ -fifvfVf#f“

DHCP - ,ì'è<`ï,Ý DHCP fifvfVf#f“,É,Â,ç,Ä,ÍAZÿ,ìŠefgfsfbfN,ðŽQ/E,μ,Ä,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,çB,±  
,é,ç,ìfifvfVf#f“,ÍARFC 1533 ,É'è<`<sup>3</sup>,é,Ä,ç,Ü,·B

Šì-{fifvfVf#f“

fzfXfg,<sup>2</sup>,Æ,ì IP 'wfpf%of[]f^

fCf“f^[]ftfFfCfX,<sup>2</sup>,Æ,ì IP fpf%of[]f^

fCf“f^[]ftfFfCfX,<sup>2</sup>,Æ,ìfŠf“fN'wfpf%of[]f^

TCP fpf%of[]f^

fCf“f^[]ftfFfCfX,<sup>2</sup>,Æ,ìfAfvfŠfP[]fVf#f“'wfpf%of[]f^

fxf“f\_ÆÄ—L[]î•ñ (NetBIOS over TCP/IP ,Æ X Window)

**Ši- {fjfvfVf#f“**

, ±, ±, Å à-¾, ., éfjfvfVf#f“, íAMicrosoft DHCP fT[fó[ , ðŽg, Á, Ä, Ý, è, Å, «, Ü, ., B, ½, ¾, µAMicrosoft DHCP fNf%ofCfAf“fg, íAfR[fh, , æ, ÑfjfvfVf#f“-¼, ì%oi, ÉfAfXf^fŠfXfN, ² 2 , Á (\*\*), •t, ç, Ä, ç, éfjfvfVf#f“, ì, ÝTfj [fg, µ, Ü, ., BfT[fh fp[fefB]», ì DHCP fNf%ofCfAf“fg, ì è±, É, íAfT[fh fp[lfefB fNf%ofCfAf“fg f ftfgfEjfA, ÁfTj[f, ³, è, é“C^Ó, ìfjfvfVf#f“, ð, Ý, è, Å, «, Ü, ., B

à-¾•¶, ÉfAfXf^fŠfXfN, ² 1 , Á (\*) •t, ç, Ä, ç, éfjfvfVf#f“, Á, íA^ê—, ìæ“ª, ©, ç'l, ²Žg, í, è, é, ½, ßAŽg— p, ., é±, É'l, ðŽw'è, µ, Ü, ., B

**0 = fpfbfh**

Æä'±, ìftfB[f<fh, ðf[fh<<ŠE, É'µ, l, Ü, ., B

**255 = ÅÆä**

DHCP fpfPfbfg“à, ìfjfvfVf#f“, ì, l, í, è, ðŽ, l, µ, Ü, ., B

**1 = fTfufjfbfg f}fXfN (\*\*)**

fNf%ofCfAf“fg fTfufjfbfg, ìTfufjfbfg f}fXfN, ðŽw'è, µ, Ü, ., B, ±, ìfjfvfVf#f“, íA[fXfR[fv, ì[í-] f\_fCfAf]fO f{fbfNfX, Ü, ½, í [fXfR[fv, ìfvf]fpfefB] f\_fCfAf]fO f{fbfNfX, Á'è<, µ, Ü, ., B'¼ÚA[DHCP fjfvfVf#f“] f\_fCfAf]fO f{fbfNfX, Á, Ý, è, ., é, ±, Æ, í, Á, «, Ü, ¹, ñB

**2 = f^fCfE flftfZfbfg**

UCT (Universal Coordinated Time]f çŠE<l'èŽŽ[) flftfZfbfg, ð•b'P^É, ÁŽw'è, µ, Ü, ., B

**3 = f<[f^[]**

fNf%ofCfAf“fg, ìTfufjfbfg]ä, ìf<[f^[], ì IP fAfhfCfX, ì^ê—, ðŽw'è, µ, Ü, ., B(\*)

**4 = f^fCfE fT[fó[]**

fNf%ofCfAf“fg, ²~—p, Á, «, éf^fCfE fT[fó[], ì IP fAfhfCfX, ì^ê—, ðŽw'è, µ, Ü, ., B(\*)

**5 = f[]fE fT[fó[]**

fNf%ofCfAf“fg, ²~—p, Á, «, éf[]fE fT[fó[], ì IP fAfhfCfX, ì^ê—, ðŽw'è, µ, Ü, ., B(\*)

**6 = DNS fT[fó[] (\*\*)**

fNf%ofCfAf“fg, ²~—p, Á, «, é DNS f[]fE fT[fó[], ì IP fAfhfCfX, ì^ê—, ðŽw'è, µ, Ü, ., Bf}f<f fz[]fE fRf“fsf...[]f^, ì è±, Á, àA•ÚŽ, Á, «, é^è—, ì 1 , Á, ¾, ^, Á, ., BfAf\_fvf^ f[]fh, ², Æ, É^è—, ðŽ, Á, é, í, ^, Á, í, , è, Ü, ¹, ñB(\*)

**7 = f]fO fT[fó[]**

fNf%ofCfAf“fg, ²~—p, Á, «, é MIT\_LCS UDP (User Datagram Protocol]f fT[fU[] f[]f^fO%ofE fvf]fgfRf<) f]fO fT[fó[], ì IP fAfhfCfX, ì^ê—, ðŽw'è, µ, Ü, ., B(\*)

**8 = fNfbfL[] fT[fó[]**

fNf%ofCfAf“fg, ²~—p, Á, «, é RFC 865 fNfbfL[] fT[fó[], ì IP fAfhfCfX, ì^ê—, ðŽw'è, µ, Ü, ., B(\*)

**9 = LPR fT[fó[]**

fNf%ofCfAf“fg, ²~—p, Á, «, é RFC 1179 f%ofCf“ fvfŠf“f^ fT[fó[], ì IP fAfhfCfX, ì^ê—, ðŽw'è, µ, Ü, ., B(\*)

**10 = fCf“fvfCfX fT[fó[]**

fNf%ofCfAf“fg, ²~—p, Á, «, é Imagen fCf“fvfCfX fT[fó[], ì IP fAfhfCfX, ì^ê—, ðŽw'è, µ, Ü, ., B(\*)

**11 = fŠf[]fX f]fP[]fVf#f“ fT[fó[]**

fNf%ofCfAf“fg, ²~—p, Á, «, é RFC 887 fŠf[]fX f]fP[]fVf#f“ fT[fó[], ì^ê—, ðŽw'è, µ, Ü, ., B(\*)

**12 = fzfXfg-¼**

fNf%ofCfAf“fg, ìfzfXfg-¼, ð 63 •¶Žš, Ü, Á, ÁŽw'è, µ, Ü, ., BfzfXfg-

¼,í•ŕŽš,ÅŽn,Ü,è□A•ŕŽš,Ü,½,í□Žš,Å□I,í,è,Ü,·□B,»„İŠÖ,ì•”•ª,É,í•ŕŽš□A□Žš□A,Ü,½,ÍfñfCftf“¾,“  
,ðŽg—p,Å,«„Ü,·□BfzfXfg-¼,í□A□f□□[f]f< DNS fhf□fCf“-¼,Å□C□ü,Å,«„Ü,·□B

**13 = fu□lfg ftf@fCf< fTfCfY**

fNf%□fCfAf“fg,İŠù’è,Ífu□lfg fCf□□[fW ftf@fCf<,İTfCfY,ð 512 fIfNfefbfg fuf□fbfN,ÅŽw’è,µ,Ü,·□B

**14 = f□Šfbfg f\_“fv ftf@fCf<**

fNf%□fbjVf...ª<N,«„½□è□‡,É□AfNf%□fCfAf“fg,ÍfRfA fCf□□[fW,ªf\_“fv,³,è,éftf@fCf<,İ ASCII fpfX-  
¼,ðŽw’è,µ,Ü,·□B

**15 = fhf□fCf“-¼ (\*\*)**

fNf%□fCfAf“fg,ª DNS fzfXfg-¼,Ì%□ðCE^,ÉŽg,ª DNS fhf□fCf“-¼,ðŽw’è,µ,Ü,·□B

**16 = fXf□fbfv fT□[fo□[**

fNf%□fCfAf“fg,ÍfXf□fbfv fT□[fo□[,Ì IP fAfhfCEfX,ðŽw’è,µ,Ü,·□B

**17 = f<□lfg fpfX**

fNf%□fCfAf“fg,Íf<□lfg fffBfXfN,Ì ASCII fpfX-¼,ðŽw’è,µ,Ü,·□B

**18 = Šg’£fpfX**

BOOTP %□ž“š“à,Ífxf“f\_Šg’£ftfB□[f<fh,Æ“˘,ŕ,ª,ª,É%□ðŽŽ,³,è,é□î•ň,ðŠÜ,ň,¾□ATFTP  
,ðŽg,Á,ÅŽæ“¾,Å,«„éftf@fCf<,ðŽw’è,µ,Ü,·□B,½,¾,µ□Aftf@fCf<’,É□Š-ň,Í,È,□Aftf@fCf<“à,Ì Tag 18  
,Ö,İŽQ□Æ,Í-³Ž<,³,è,Ü,·□B

**fzfXfg,²,Æ,ì IP ‘wfpf%of□□[f^**

fzfXfg,²,Æ,ì IP ‘wfpf%of□□[f^,ì^è—,í□AZÿ,ì,Æ,“,è,Å,·□B

**19 = IP fCEfCf,“]’—**

fNf%ofCfAf“fg,ì IP fpfPfbfg,ì“]’—,ð—LCEø,Ü,½,í-³CEø,É,μ,Ü,·□B1 ,í“]’—,ð—LCEø,É□A0 ,í“]’—,ð-³CEø,É,μ,Ü,·□B

**20 = "ñf□□[fjf< f□[fX f<□[fefBf“fO**

"ñf□□[fjf< f□[fX f<□[fefBf“fO,Å,ìff□[f^fOf%of€,ì“]’—,ð—LCEø,Ü,½,í-³CEø,É,μ,Ü,·□B1 ,í“]’—,ð—LCEø,É□A0 ,í“]’—,ð-³CEø,É,μ,Ü,·□B

**21 = f|fšfv ftfBf<f^ f}fXfN**

f|fšfv ftfBf<f^,ðŽw’è,μ,Ü,·□B,±,ìftfBf<f^,í□A“ñf□□[fjf< f□[fX f<□[fefBf“fO,ÉftfBf<f^,ð,©,“,é,½,ß,ì, ,Ä□æ,Æf}fXfN,ìí,ðŽw’è,·,é□AIP fAfhfCEfX,Æf}fXfN,ìí,ì^è —,Å□□-,³,è,Ü,·□BŽÿfzfbfv fAfhfCEfX,æftfBf<f^,Æ^è^v,μ,È,çf□[fX f<□[fgŽw’è□í,ÿff□[f^fOf%of€,í□AfNf%ofCfAf“fg,É,æ,Á,Ä”pšü,³,è,Ü,·□B

**22 = □Å’å DG □ÄfAfZf“fuf< fTfCfY**

fNf%ofCfAf“fg,³□ÄfAfZf“fuf<,Å,«,éff□[f^fOf%of€,ì□Å’åfTfCfY,ðŽw’è,μ,Ü,·□B□Å□-’l,í 576 ,Å,·□B

**23 = ffftfHf<fg TTL**

fNf%ofCfAf“fg,³—□Mff□[f^fOf%of€,ÅŽg,±□AŠù’è,ì TTL (Time-To-Live□F □¶’¶ŠúŠÔ) ,ðŽw’è,μ,Ü,·□Bf|fNfefbfg,ì’l,í 1 ,©,ç 255 ,Ü,Å,Å,·□B

**24 = fpfX MTU fG□[fWf“fO TO**

CEÄ,,É,Á,½fpfX MTU (Maximum Transmission Unit□F □Å’å“‘—’P^Ê) ‘l,ìf^fCf€fAfEfgŽžŠÔ,ð•b’P^Ê,ÅŽw’è,μ,Ü,·□BCEÄ,,É,Á,½ MTU ,í RFC 1191 ,É’è<’,³,è,½<@□\ ,É,æ,è”CE©,³,è,Ü,·□B

**25 = fpfX MTU plateau fe□[fuf<**

RFC 1191 ,É’è<’,³,è,½fpfX MTU “CE©,ðŽÀ□s,·,é,Æ,«,ÉŽg,±□AMTU fTfCfY,ìfe□[fuf<,ðŽw’è,μ,Ü,·□B,±,ìfe□[fuf<,í□AfTfCfY,ì□,□‡,Å•Å,×’Ö,ì,ç,è,Ü,·□B□Å□-,ì MTU ‘l,í 68 ,Å,·□B



**fCf“f^[]ftfFfCfX,²,Æ,ì IP fpf%of[]f^**

fCf“f^[]ftfFfCfX,²,Æ,ì IP fpf%of[]f^,ìê—,í□AZÿ,ì,Æ,“ ,è,Å,·□B,±  
,é,ç,ìfìfvfVfj“ ,í□AfCf“f^[]ftfFfCfX,²,Æ,ì IP ‘w,ì”@□,É%e<ì,μ,Û,·□BfNf%ofCfAf“fg,í□A•;□” ,ì—v<□,ð”-  
□s,μ,Ä (1 fCf“f^[]ftfFfCfX,É,Å,« 1 ,Å)□AfCf“f^[]ftfFfCfX,ðfNf%ofCfAf“fg,ÉCEÅ—L,ìfpf%of[]f^ ,Å□  
□¬,·,é,±,Æ,²,Å,« ,Ü,·□B

**26 = MTU fìfvfVfj“**

fCf“f^[]ftfFfCfX,É,ì,·,é MTU ”CE©ftfCfY,ðŽw’è,μ,Û,·□B□Å□¬,ì MTU ’l,í 68 ,Å,·□B

**27 = ,·, x, Ä, ìfTfufìfbfg, íf[]fj“**

fNf%ofCfAf“fg,²□Ú±,³,è,Ä,ç,é□□fj“ ftfufìfbfg,ì MTU ,Æ“ ,¶ MTU ,²□AfNf  
%ofCfAf“fg,ìfCf“f^[]fìfbfg□□fN,ì’SfTfufìfbfg,Å,àŽg,í,è,Ä,ç,é,à,ì,Æ□AfNf  
%ofCfAf“fg,²z’è,·,é,©,Ç,κ,©,ðŽw’è,μ,Û,·□B1 ,ðŽw’è,·,é,Æ□A’SfTfufìfbfg,²“ ,¶ MTU ,ð<κ—L,μ,Ä,ç  
,é,à,ì,ÆCE©,È,μ,Û,·□B0 ,ðŽw’è,·,é,Æ□AfNf%ofCfAf“fg,í□A,æ,è□¬,³,ç MTU  
,ðŽg,¶fTfufìfbfg,²¶□Ý,·,é,±,Æ,ðz’è,μ,Û,·□B

**28 = fuf[]fìfLfffXfg fAfìfCEfX**

fNf%ofCfAf“fg,ìfTfufìfbfg□ä,ÅŽg,í,è,éuf□□fìfLfffXfg fAfìfCEfX,ðŽw’è,μ,Û,·□B

**29 = f}fXfN”CE©,ìŽÀ□s**

fNf%ofCfAf“fg,²□AICMP (Internet Control Message Protocol□F fCf“f^[]fìfbfg□\$CEäfìfbfZ□fW  
fvf□fgRf< ) ,ðfTfufìfbfg f}fXfN”CE©,ÉŽg,κ,©,Ç,κ,©,ðŽw’è,μ,Û,·□B1 ,ðŽw’è,·,é,Æ□AfNf  
%ofCfAf“fg,ìf}fXfN”CE©,ðŽÀ□s,μ,Û,·□B0 ,ðŽw’è,·,é,Æ□AfNf%ofCfAf“fg,ìf}fXfN”-  
CE©,ðŽÀ□s,μ,Û,¹,ñ□B

**30 = f}fXfN ftfvf%ofCf,, fìfvfVfj“**

fNf%ofCfAf“fg,²□AICMP ,ðŽg,Å,ÄfTfufìfbfg f}fXfN—v<□,É%ž“š,·,é,©,Ç,κ,©,ðŽw’è,μ,Û,·□B1  
,ðŽw’è,·,é,Æ□AfNf%ofCfAf“fg,í%ž“š,μ,Û,·□B0 ,ðŽw’è,·,é,Æ□AfNf%ofCfAf“fg,í%ž“š,μ,Û,¹,ñ□B

**31 = f<□f^[]”CE©,ìŽÀ□s**

fNf%ofCfAf“fg,²□ARFC 1256 ,ìf<□f^[]”CE©•ùŽ®,ðŽg,Å,Äf<□f^[]f,ð—v□ì,·,é,©,Ç,κ  
,©,ðŽw’è,μ,Û,·□B1 ,ðŽw’è,·,é,Æ□AfNf%ofCfAf“fg,ìf<□f^[]”CE©,ðŽÀ□s,μ,Û,·□B0  
,ðŽw’è,·,é,Æ□AfNf%ofCfAf“fg,ìf<□f^[]”CE©,ðŽÀ□s,μ,Û,¹,ñ□B

**32 = f<□f^[]—v□ìfAfìfCEfX**

fNf%ofCfAf“fg,É,æ,éf<□f^[]—v□ì—v<□,ì’ñ□o□æ IP fAfìfCEfX,ðŽw’è,μ,Û,·□B

**33 = □Ä”ìf<□fìfvfVfj“**

fNf%ofCfAf“fg,ìf<□fèfBf“fO fLfffbfVf...,É’g,Ý□ž,Ü,è,é□Ä”ìf<□fìfvf,ðŽì,·□AIP fAfìfCEfX,ì’í,ìê—  
,ðŽw’è,μ,Û,·□B“ ,¶ —□M□æ,É’í,·,é•;□”,ìf<□fìfvf,í□A□~□±,©—D□æ□±,É•Å, x, ç, è, Û, ·□Bf<□fìfvf,í□A’—  
□M□æfAfìfCEfX,Æf<□f^[] fAfìfCEfX,ì’í,Å,·□Bšù’è,ìf<□fìfvf 0.0.0.0 ,í□A□Ä”ìf<□fìfvf,Å,í•s□³,É’—  
□M□æ,Å,·□B

**fCf“f^[]ftfFfCfX,<sup>2</sup>,Æ,lfŠf“fN’wfpf%of[]f^**

fCf“f^[]ftfFfCfX,<sup>2</sup>,Æ,lfŠf“fN’wfpf%of[]f^,îê—,ÍAŽŸ,Ì,Æ,“,è,Å,·B,±  
.é,ç,lfjfvfVf#“,ÍAfCf“f^[]ftfFfCfX,<sup>2</sup>,Æ,lf[]f^ fŠf“fN’w,ì“@,É%e<ç,μ,Û,·B

**34 = fgfCE[]f%o fjfvfZf<%o»**

ARP fv[]fgfRf<,đŽg,Á,Ä,ç,é,Æ,«[]AfNf%ofCfAf“fg,<sup>3</sup>fgfCE[]f%o (RFC 983) ,lŽg—p,É,Å,ç  
,ÄfjSfVfG[]fg,đ[]s,æ,©,Ç,æ,©,đŽw’è,μ,Û,·B1 ,đŽw’è,·,é,Æ[]AfNf%ofCfAf“fg,lfgfCE[]f%o,đŽg—  
p,μ,æ,æ,Æ,μ,Û,·B0 ,đŽw’è,·,é,Æ[]AfNf%ofCfAf“fg,lfgfCE[]f%o,đŽg—p,μ,Û,<sup>1</sup>,ñB

**35 = ARP fLfffbfVf... f^fCf€fAfEfg**

ARP fLfffbfVf... fGf“fgfŠ,lf^fCf€fAfEfg,đ•b’P^Ê,ÁŽw’è,μ,Û,·B

**36 = Ethernet fjfvfZf<%o»**

fCf“f^[]ftfFfCfX,<sup>3</sup> Ethernet ,l[]ê[]‡,É[]AfNf%ofCfAf“fg,<sup>3</sup> Ethernet v. 2 (RFC 894) fjfvfZf<%o»,Æ  
IEEE 802.3 (RFC 1042) fjfvfZf<%o»,l,Ç,ç,đŽg,æ,©,đŽw’è,μ,Û,·B1 ,đŽw’è,·,é,Æ[]AfNf  
%ofCfAf“fg,Í RFC 1042 fjfvfZf<%o»,đŽg,ç,Û,·B0 ,đŽw’è,·,é,Æ[]AfNf%ofCfAf“fg,Í RFC 894  
fjfvfZf<%o»,đŽg,ç,Û,·B

**TCP fpf%of[]f^**

TCP fpf%of[]f^,îê—,íAŽŸ,ì,Æ,“,è,Â,·B,±,ê,ç,ìfjfvfj†“,íAfCf“f^[]ftfFfCfX,<sup>2</sup>,Æ,ì TCP ‘w,ì“®[],É %œ<ç,μ,Û,·B

**37 = ffftHf<fg TTL flfvfVf†f“**

fNf%ofCfAf“fg,<sup>3</sup>ATCP fZfOf[]“fg,ð’—M,·,é,Æ,«,ÉŽg,αŠù’è,ì TTL (Time-To-Live[]F []‘[]ŽžŠÔ) ,ðŽw’è,μ,Û,·BflfNfefbfg,ìÅ[]-’l,í 1 ,Å,·B

**38 = fL[]fvfAf%ofCfuŠÔŠu**

fNf%ofCfAf“fg TCP ,<sup>2</sup>AfL[]fvfAf%ofCfu f[]fbfZ[]fW,ð TCP []Ú’±[]ă,É’— []M,·,é’O,É’Ò<@,·,éŠÔŠu,ð•b[]”,ÅŽw’è,μ,Û,·B0 ,ðŽw’è,·,é,Æ[]A’Á,ÉfAfvfŠfP[]fVf†f“,©,ç,ì— v<[],<sup>3</sup>,È,çEÀ,è[]AfNf%ofCfAf“fg,íL[]fvfAf%ofCfu f[]fbfZ[]fW,ð[]Ú’±[]ă,É’—[]M,μ,Û,<sup>1</sup>,ñ[]B

**39 = fL[]fvfAf%ofCfu fKfx[]fW**

fNf%ofCfAf“fg,<sup>3</sup>A^È’O,ìfo[]fWf†f“,ìŽÀ’•,Æ,ìCEŸŠ·[]«,ð•Û,Â,½,ß,É[]ATCP fL[]fvfAf%ofCfu f[]fbfZ[]fW,ÉfKfx[]fW ff[]f^ flfNfefbfg,ð•t, -,Ä’—[]M,·,é,©,ç,α,©,ðŽw’è,μ,Û,·B1 ,ðŽw’è,·,é,Æ[]AfKfx[]fW flfNfefbfg,<sup>3</sup>—[]M,<sup>3</sup>,é,Û,·B0 ,ðŽw’è,·,é,Æ[]AfKfx[]fW flfNfefbfg,í’— []M,<sup>3</sup>,é,Û,<sup>1</sup>,ñ[]B

**fCf“f^[]ftfFfCfX,²,Æ,lfAfvfŠfP[]fVf#f““wfpf%of[]f^**

fAfvfŠfP[]fVf#f““wfpf%of[]f^,îê—,í[]AZŸ,ì,Æ,“,è,Å,·[]B,±  
.é,ç,lfifvfVf#f“,í[]AfAfvfŠfP[]fVf#f“,“,æ,ŇfT[]fX,ì[]-,-,ÉŽg,ç,Ü,·[]B

fAfXf^fŠfXfN (\*) ,ª•t,ç,Ä,ç,élfifvfVf#f“,Å,í[]A^ê—,ì[]æ“ª,©,ç‘l,ªŽg,í,ê,é,½,ß[]AZg—  
p,·,é[]‡,É‘l,ðŽw‘è,μ,Û,·[]B

**40 = NIS fhf[]fCf“-¼**

NIS (Network Information Service[]F flfbfgf[]fN[]i•ňfT[]fX) fhf[]fCf“,ì-¼‘O,ð ASCII •¶Žš—  
ň,ÅŽw‘è,μ,Û,·[]B

**41 = NIS fT[]fo[]**

fNf%ofCfAf“fg,ª—~—p,Å,«,é NIS fT[]fo[],ì IP fAfhf[]fX,îê—,ðŽw‘è,μ,Û,·[]B\*

**42 = NTP fT[]fo[]**

fNf%ofCfAf“fg,ª—~—p,Å,«,é NTP (Network Time Protocol[]F flfbfgf[]fN f^fCf€ fvf[]fgfRf<)  
fT[]fo[],ì IP fAfhf[]fX,îê—,ðŽw‘è,μ,Û,·[]B\*

**fxf“f\_Ā—Lŋî•ñ**

fxf“f\_Ā—Lŋî•ñ,lfvfvf#f“,îê—,íAŽŸ,ì,Ā,“,è,Ā,·B,±,±,Āà-¾,·,élfvfvf#f“,íAMicrosoft DHCP fT[fō[.đŽg,Ā,ĀŸ’è,Ā,«,Ü,·B,½,¾,μAMicrosoft DHCP fNf%ofCfAf“fg,íAfR[fh,“,æ,Ňlfvfvf#f“-¼,ì%o ;,ÉfAfXf^fŠfXfN,² 2,Ā (\*\*) •t,ċ,Ā,ċ,élfvfvf#f“,ì,YfT[fō[fg,μ,Ü,·BfT[fh fp[fefB]»,ì DHCP fNf %ofCfAf“fg,ìèè±,É,íAfT[fh fp[fefB fNf%ofCfAf“fg fVfTgfEjFA,ĀfTf] [fg,³,è,é“C^Ō,lfvfvf#f“,đŸ’è,Ā,«,Ü,·B

à-¾•ŋ,ÉfAfXf^fŠfXfN,² 1,Ā (\*) •t,ċ,Ā,ċ,élfvfvf#f“,Ā,íA^ê—,ìæ“ª,©,ç’l,²Žg,í,è,é,½,βAŽg— p,·,éè±,É’l,đŽw’è,μ,Ü,·B

**43 = fxf“f\_Ā—Lŋî•ñ**

fNf%ofCfAf“fg,ÆfT[fō[.²Afxf“f\_Ā—Lŋî•ñ,ìĀđŠ·,ÉŽg,xfofCfifŠŋî•ñ,Ā,·B,±,ìŋî•ñ,đ %ođŽš,·,é<@“\,ª,É,ċfT[fō[.íA,±,ìŋî•ñ,đ-³Ž<,μ,Ü,·BfNf%ofCfAf“fg,íA,± ,ìŋî•ñ,đŽó,~Žæ,è,É,©,Ā,½ŋèè±,Ā,àA,±,ìŋî•ñ,È,μ,Ā“®ŋ,đŽŽ,Ÿ,Ü,·B

**NetBIOS over TCP/IP**

**44 = WINS/NBNS fT[fō[ (\*\*)**

NetBIOS f[fē fT[fō[ (NBNS) ,ì IP fAfhfĀfX,îê—,đŽw’è,μ,Ü,·B(\*)

**45 = NetBIOS over TCP/IP NBDD**

NBDD fT[fō[ (NetBIOS datagram distribution server f NetBIOS ff[f^fOf%of€“z•zT[fō[) ,ì IP fAfhfĀfX,îê—,đŽw’è,μ,Ü,·B(\*)

**46 = WINS/NBT fm[fh f^fCfv (\*\*)**

ŋŋ~%oĀ“\,È NetBIOS over TCP/IP fNf%ofCfAf“fg,đARFC 1001/1002 ,ìLŋq,Éŋ,Ā,Āŋŋ~·,·,é,± ,Æ,đ<-%oĀ,μ,Ü,·B1=b fm[fhA2=p fm[fhA4=m fm[fhA8=h fm[fh,Ā,·Bf}f^fz[fē fRf“fsf...[f^,ìèè±,Ā,àAŠ,,,è“-Ā,ċ,è,éfm[fh f^fCfv,í 1 ,Ā,Ā,·BfAf\_fvf^ f[fh,²,Æ,Éfm[fh f^fCfv,²Š,,,è“-Ā,ċ,è,é,í,~Ā,Ā, ,è,Ü,¹,ŋŋB

**47 = NetBIOS fXfR[fv ID (\*\*)**

RFC 1001/1002 ,Éŋ,Ā,ĀAfNf%ofCfAf“fg,Éĭ,·,é NetBIOS over TCP/IP ,lfXfR[fv ID ,đ•ŋŽš— Ň,ĀŽw’è,μ,Ü,·Bf}f^fz[fē fRf“fsf...[f^,ìèè±,Ā,àAŠ,,,è“-Ā,ċ,è,éXfR[fv ID ,í 1 ,Ā,Ā,·BfAf\_fvf^ f[fh,²,Æ,ÉXfR[fv ID ,²Š,,,è“-Ā,ċ,è,é,í,~Ā,Ā, ,è,Ü,¹,ŋŋB

**48 = X Window fVfXfef€ ftfHf“fg**

fNf%ofCfAf“fg,ª~—p,Ā,«,é X Window ftfHf“fg fT[fō[.ì IP fAfhfĀfX,îê—,đŽw’è,μ,Ü,·B(\*)

**49 = X Window fVfXfef€ fffBfXfvfĀfC**

fNf%ofCfAf“fg,ª~—p,Ā,«,é X Window fVfXfef€ fffBfXfvfĀfC f}f[fWff fT[fō[.ì IP fAfhfĀfX,îê —,đŽw’è,μ,Ü,·B(\*)

**DHCP Šg’£**

**51 = fŠ[fX (\*\*)**

fAfhfĀfX,đŠ,,,è“-Ā,Ā,©,çAfNf%ofCfAf“fg,Ō,lfAfhfĀfX,lfŠ[fX,²ŠúĀĀø,è,É,È,é,Ü,Ā,ìŠúŠŌ (ŽžŠŌ) ,đ•b’P’Ē,ĀŽw’è,μ,Ü,·BfŠ[fXŽžŠŌ,íA[fXfR[fv,ìŋŋ~] f\_fCfAfŋfO f{fbfNfX,Ü,½,Ā [fXfR[fv,lfvfŋpfefB] f\_fCfAfŋfO f{fbfNfX,Ā’è<` ,μ,Ü,·B¼ŋŋŋA[DHCP flfvfvf#f“] f\_fCfAfŋfO f{fbfNfX,ĀŸ’è,·,é,±,Æ,Ā,Ā,«,Ü,¹,ŋŋB

**58 = ŋ’,«Š·,ì (T1) ŽžŠŌ’l (\*\*)**

fAfhfĀfX,đŠ,,,è“-Ā,Ā,©,çAfNf %ofCfAf“fg,²ŋ’,«Š·,ìŋŋŋŌ,É,È,é,Ü,Ā,ìŽžŠŌ,đ•b’P’Ē,ĀŽw’è,μ,Ü,·Bŋ’,«Š·,ìŽžŠŌ,íAfŠ[fXŠúŠŌ,lfvf vfvf#f“,îê<@“\,Ā,·B,±,è,íA[fXfR[fv,ìŋŋ~] f\_fCfAfŋfO f{fbfNfX,Ü,½,Ā [fXfR[fv,lfvfŋpfefB] f\_fCfAfŋfO f{fbfNfX,Ā’è<` ,μ,Ü,·B¼ŋŋŋA[DHCP flfvfvf#f“] f\_fCfAfŋfO f{fbfNfX,ĀŸ’è,·,é,±

,Æ,Í,Å,«,Ü,¹,ň□B

**59 = □ÄCE<□‡ (T2) ŽžŠŎ'I (\*\*)**

fAfhfCEfX,ðŠ,,è“-,Ä,Ä,©,ç□AfNf

%ofCfAf“fg,ª□ÄCE<□‡□ó'Ô,É,È,é,Ü,Ä,ìŽžŠŎ,ð•b'P^Ê,ÅŽw'è,μ,Ü,·□B□ÄCE<□‡ŽžŠŎ,í□AfŠ□[fXŠúŠŎfjf

vfvf‡f“,ì^è<@“\,Ä,·□B,±,è,í□A[fXfR□[fv,ì□ì□-] f\_fCfAf□fO f{fbfNfX,Ü,½,í [fXfR□[fv,ìfv□fpfefB]

f\_fCfAf□fO f{fbfNfX,Å'è<` ,μ,Ü,·□B'¼□Ú□A[DHCP fìfvfvf‡f“] f\_fCfAf□fO f{fbfNfX,Å□Ý'è,·,é,±

,Æ,Í,Å,«,Ü,¹,ň□B

**DHCP fNf%oCfAf“fg,İŞÇ—□,É,Â,ç,Ä**

ŞÇ—□ŽÒ,ªfXfR□[fv,đŠm—š,µ□A—~—p%oÂ“\,È IP fAfhfCEfX,ì“í^í,“,æ,Ñ□œŠO,·,é IP fAfhfCEfX,ì“í^í,đ'è<`,µ,½CEã,Í□ADHCP ,đ—~—p%oÂ“\,ÈfNf%oCfAf“fg,Í TCP/IP ,ìŽ ©“®□\ □-,ìfT□[fxfX,đŽg,çŽn,ß,é,±,Æ,ª,À,«,Ü,·□B

DHCP f}f□[fWff,đŽg,ª,Æ□ACEÂ•Ê,ìfNf%oCfAf“fg fŠ□[fX,đŠÇ—□,À,«,Ü,·□BfNf%oCfAf“fg,ì—\—ñ,ì'Ç %oÁ,âŠÇ—□,È,Ç,à,À,«,Ü,·□B

**fNf%ofCfAf“fg fŠ[fX,đŠÇ—□,·,é**

DHCP fT□[fo□[.É,æ.Á,ÄŠ,,è“- .Ä,ç,è,½ IP fAfhfCEfX,İfŠ□[fX,É,İ□A—LCEøŠúCEÀ,ª, ,è,Ü,·□BfNf %ofCfAf“fg,ª□AŠ,,è“- .Ä,ç,è,½ IP fAfhfCEfX,đ—LCEøŠúCEÀ,İCEä,àŽg,ç‘±,¯,é,½,ß,É,İ□AfŠ□[fX,İ□‘,«Š,İ (□X□V) ,đ□s,İ,É,¯,è,İ,È,è,Ü,¹,ñ□BDHCP f}fİ□[fWff,đŽg,ª,Æ□A‘Á‘è,İ DHCP fNf %ofCfAf“fg,İfŠ□[fXŠúŠÖ,È,Ç,İ□İ•ñ,đ•\Žİ,Á,«,Ü,·□B,Ü,½□A—\—ñ□İ,Ý DHCP fNf%ofCfAf“fg,İ□□—,İ□Ý‘è,đ‘Ç %oÁ,Ü,½,İ•İ□X,·,é,±,Æ,à,Ä,«,Ü,·□B

CE»□Ý‘İ‘đ,µ,Ä,ç,é,ÉfXfR□[fv“à,İfAfNfefBfu,ÈfŠ□[fX,É,Á,ç,Ä,İ□İ•ñ,İ□A[fAfNfefBfu fŠ□[fX] f\_fCfAf□fO f{fbfNfX,É•\Žİ,³,è,Ü,·□B[fAfNfefBfu fŠ□[fX] f\_fCfAf□fO f{fbfNfX,É,İ□ACEÀ•È,İfŠ□[fX,Æ—\— ñ,ÉSÖ,·,é□İ•ñ,¾,¯,Ä,È,□AfXfR□[fv“à,İfAfhfCEfX,İ□□□□AfAfNfefBfu%o»,µ,Ä,ç,é,©□æŠÖ,³,è,Ä,ç ,é,½,ß,ÉCE»□Ý—~—p,Ä,«,É,çfAfhfCEfX,İ□□,Æ,»„İŠ,,□□A,¯,æ,ÑCE»□Ý—~—p%oÁ“\ ,ÈfAfhfCEfX,İ□□,Æ,»„İŠ,,□□,à•\Žİ,³,è,Ü,·□B

fAfNfefBfu,ÈfŠ□[fX,Æ□æŠÖ,³,è,½fAfhfCEfX,İ,Ü,Æ,ß,ÄfJfEf“fg,³,è,é,İ,Ä□AfAfNfefBfu,ÈfŠ□[fX,¾,¯,É,Á,ç ,Ä,İ□İ•ñ,İ“¾,ç,è,É,ç,±,Æ,ª, ,è,Ü,·□BfXfR□[fv,ª“ñfAfNfefBfu%o»,³,è,Ä,ç,é,Æ,«,É [fAfNfefBfu/□æŠÖ] ,É•\ Žİ,³,è,é,ÉfJfEf“fg□□,İ□□□æŠÖ,³,è,½fAfhfCEfX,¾,¯,đ“½%of,·,é,İ,Ä□AfAfNfefBfu,ÈfŠ□[fX,İ□□,Æ—\— ñ,İ□□,đ‘²,x,é,É,İ□AfXfR□[fv,đfAfNfefBfu%o»,·,é‘O,ÆCEä,Ä□A[fAfNfefBfu/□æŠÖ] ,É•\ Žİ,³,è,é,ÉfJfEf“fg□□,đ“äŠr,µ,Ä,,¾,¾,¾,ç□B

fŠ□[fX,İ□AŠúCEÀ,ª□ø,è,½CEä,Ä,à-ñ 1 “úŠÖ DHCP fT□[fo□[.É•ÜŽ□,³,è,Ä,ç,Ü,·□B,±,İ—P—\ ŠúŠÖ,É,æ,Á,Ä□AfNf%ofCfAf“fg,ÆfT□[fo□[.É‘Ü,È,é‘fCfE f□[f“ ,ª□Ý‘è,³,è,Ä,ç,½,è□A2 ,Ä,İfRf“fsf... □[f^ ,İžžCEv,İ□Ý‘è,ª^Ü,È,Á,Ä,ç,½,è,µ,½□è□□A,Ü,½,İfŠ□[fX,İŠúCEÀ,ª□ø,è,½,Æ,«,ÉfNf%ofCfAf“fg fRf“fsf...□[f^ ,ªfİfbf□□[fN,É□Ü‘±,µ,Ä,ç,È,©,Ä,½□è□□,É□AfNf %ofCfAf“fg,İfŠ□[fX,ª•ÜCEİ,³,è,Ü,·□BŠúCEÀ□ø,è,İfŠ□[fX,İ□A[fAfNfefBfu fŠ□[fX] f\_fCfAf□fO f{fbfNfX,İ [fAfNfefBfu/□æŠÖ] fJfEf“fg□□,ÉSÜ,ß,ç,è□A“Žž,ÉfAfNfefBfu,ÉfNf%ofCfAf“fg,İ^è— — ,É,àSÜ,ß,ç,è,Ü,·□BŠúCEÀ□ø,è,İfŠ□[fX,İfAfCfRf“,İ□A‘W□F•\Žİ,³,è,Ü,·□B

fXfR□[fv“à,İ DHCP fNf%ofCfAf“fg,İfŠ□[fX,İ□□æ,Ä,«,Ü,·□BŠ□[fX,İ□□æ,ª•K—v,É,È,é,İ,İ□AZâ,É□AIP fAfhfCEfX,İ□æŠÖ,âfNf%ofCfAf“fg,İ—\— ñ,đ□s,ª□è□□,É□A«£□□, ,é,ÉfŠ□[fX,đ□□æ,·,é,Æ,«„Ä,·□BfŠ□[fX,đ□□æ,·,é,Æ□AfŠ□[fX,ªŠúCEÀ□ø,è,É,È,Á,½,Æ, «,Æ“¯,□□‘O,É,È,è,Ü,·□B,Ä,Ü,è□AfNf%ofCfAf“fg fRf“fsf...□[f^ ,İ□AZŽ%oñ“N“® ,·,é,Æ,«,É□□Šú %o»□ó‘O,É‘Ü□s,µ□ADHCP fT□[fo□[.©,ç□V,µ,ç TCP/IP ,İ□ □—□İ•ñ,đŽæ“¾,µ,È,¯,è,İ,È,è,Ü,¹,ñ□B,½,¾,µ□A,»„İfNf%ofCfAf“fg,ª□Ä,Ñ“¯,□ IP fAfhfCEfX,đ□V«KfŠ□[fX,Æ,µ,ÄŽæ“¾,·,é,±,Æ,ª,ÖŽ~ ,³,è,Ä,ç,é,İ,¯,Ä,Í, ,è,Ü,¹,ñ□B,±,İ,½,ß□AfNf %ofCfAf“fg,ªŽŸ,İfŠ□[fX,đ—v□□,·,é‘O,É□A,»„İfAfhfCEfX,đ—~—p,Ä,«,É,ç,æ,ª,É,µ,Ä,¯,·K—v,ª, ,è,Ü,·□B

□□□æ,µ,Ä,à,æ,çfGf“fgfŠ,İ□AŠ,,è“- .Ä,ç,è,½ DHCP fŠ□[fX,đŽg,Á,Ä,ç,È,çfNf %ofCfAf“fg,©□A,Ü,½,İ,·,®.É□V,µ,çfAfhfCEfX,đ□Ý‘è,·,é,±,Æ,É,È,Á,Ä,ç,ÉfNf %ofCfAf“fg,İfGf“fgfŠ,¾,¯,Ä,·□BfAfNfefBfu,ÉfNf %ofCfAf“fg,İfGf“fgfŠ,đ□□□æ,·,é,Æ□A□□□æ,³,è,½fAfhfCEfX,ª□V«KfAfNfefBfu fNf%ofCfAf“fg,ÉS,,è“- ,Ä,ç,è,é□è□□,ª, ,é,½,ß□Afİfbf□□[fN□ä,Ä IP fAfhfCEfX,ª□d•İ,·,é,±,Æ,ª, ,è,Ü,·□BfNf %ofCfAf“fg,İfŠ□[fX,đ□□□æ,µ,Ä□A—\—ñ,Ü,½,İ□□æŠÖ,đ□Ý‘è,µ,½CEä,İ□A•K, ,fNf%ofCfAf“fg fRf“fsf...□[f^ □ä,Ä **ipconfig /release** ,đŽÄ□s,µ□AfNf%ofCfAf“fg,İ IP fAfhfCEfX,đ%ođ•ú,µ,Ä,,¾,¾,¾,ç□B

**fNf%ofCfAf“fg fŠ□[fX□İ•ñ,đ•\Žİ,·,é,É,İ**

- [DHCP f}fİ□[fWff] fEfBf“fhfE,İ [DHCP fT□[fo□[.É^è— — ,Ä□AfNf%ofCfAf“fg□İ•ñ,đ•\ Žİ,Ü,½,İ•İ□X,·,é,ÉfXfR□[fv,đfNfŠfbfN,µ,Ü,·□B
- [fXfR□[fv] f□fİf...□[.İ [fAfNfefBfu fŠ□[fX] ,đfNfŠfbfN,µ,Ü,·□B
- [fNf%ofCfAf“fg] ^è— — ,ÄfŠ□[fX,đ•\Žİ,·,é,ÉfRf“fsf...□[f^ ,đ‘İ‘đ,µ□AZŸ,É [fvf□fPfefB] ,đfNfŠfbfN,µ,Ü,·□B —\—ñ IP fAfhfCEfX,đŽg,Á,Ä,ç,é,ÉfNf%ofCfAf“fg,¾,¯,đ•\Žİ,·,é,É,İ□A[—\—ñ□İ•ñ,İ,Ý,đ•\Žİ,·,é] f fFfbfN f{fbfNfX,đfİ“ ,É,µ,Ü,·□B
- [fNf%ofCfAf“fg,İfvf□fPfefB] f\_fCfAf□fO f{fbfNfX,É□A[^è^O,İ ID] ,à [fŠ□[fX,İŠúCEÀ] ,È,Ç,İfNf %ofCfAf“fg□İ•ñ,ª•\Žİ,³,è,Ü,·□B



'l,đ•Ò□W,Å,«,é,ì,í□A—\—ñ IP fAfhfCEfX,đŽ□,ÂfNf%ofCfAf“fg,ì□ê□‡,¾,¯,Å,·□B,Û,½□A[fNf %ofCfAf“fg,ìfvf□pfefB] f\_fCfAf□FO f{fbfNfX,Å [fìfvfVf‡f“] ,đfNfŠfbfN,Å,«,é,ì,à□A—\—ñ IP fAfhfCEfX,đŽ□,ÂfNf%ofCfAf“fg,ì□ê□‡,¾,¯,Å,·□B[fNf%ofCfAf“fg,ìfvf□pfefB] f\_fCfAf□FO f{fbfNfX,ì [fìfvfVf‡f“] ,ì□Ú□×,É,Å,ç,Ä,í□A□u—\—ñ—p,ìfìfvfVf‡f“,đ'è<`.,:é□v,đŽQ□Æ,μ,Å,,¾,³,ç□B

**fNf%ofCfAf“fg,ìfŠ□[fX,đ□í□œ,·,é,É,í**

- 1 [fNf%ofCfAf“fg] ^ê——,Å□AfŠ□[fX,đŽæ,è□Á,·fNf%ofCfAf“fg fŠ□[fX,đfNfŠfbfN,μ□AZÿ,É [□í□œ] ,đfNfŠfbfN,μ,Û,·□B
- 2 ,» ,ì IP fAfhfCEfX,đ—\—ñ,·,é,©□A,Û,½,í“í^í,©,ç□œŠO,μ,Û,·□B
- 3 fNf%ofCfAf“fg fRf“fsf...□[f^,ìfRf}f“fh fvf□f“fvfg,Å□A **ipconfig /release** ,Æ“ü—í,μ□AfNf %ofCfAf“fg,ìŠù‘¶,ìfŠ□[fX,đ%ođ•ú,μ,Û,·□B
- 4 •K—v,É%ož,¶,Ä□AfNf%ofCfAf“fg fRf“fsf...□[f^,ìfRf}f“fh fvf□f“fvfg,Å **ipconfig /renew** ,Æ“ü—í,μ□AfNf %ofCfAf“fg,É□V,μ,ç IP fAfhfCEfX,đ—^,ì,Û,·□B

**fNf%oCfAf"fg—\—ñ,đŠÇ—□,·,é**

fNf%oCfAf"fg,ì,½,ß,É"Á'è,ì IP fAfhfCEfX,đ—\—ñ,Á,«,Ü,·□B^è"É,É□AfNf%oCfAf"fg,ª□A·É,ì·ù-  
@,É,æ,Á,ÄŠ,,è"—,Ä,ç,è,½ IP fAfhfCEfX,đŽg,Á,Ä TCP/IP ,đ□□—,µ,Ä,ç,é□é□±,ì□A,±,ìfAfhfCEfX,đ—\—ñ,·,é·K  
—v,ª, ,è,Ü,·□B

·□",ì DHCP fT□[fo□[ ,ª□A"~^è,ìfXfR□[fv,ÉfAfhfCEfX,đ"z·z,µ,Ä,ç,é□é□±,ì□A,» ,è,¼,è,ì DHCP fT□[fo□[□ä,ìfNf  
%oCfAf"fg—\—ñ,ì"~^è,Á, ,é·K—v,ª, ,è,Ü,·□BfNf%oCfAf"fg—\—ñ,ª^ù,É,é□é□±,ì□ADHCP —\—ñ□ì,ÝfNf  
%oCfAf"fg,ªŽó, Žæ,é IP fAfhfCEfX,ì□A%ož"š,µ,½fT□[fo□[ ,É,æ,Á,Ä^ù,È,é,±,Æ,É,È,è,Ü,·□B

fNf%oCfAf"fg,É—\—ñ,µ,½ IP fAfhfCEfX,đ·ì□X,·,é□é□±,ì□ACE»Ý,ì—\—ñfAfhfCEfX,đ□í□æ,µ,Ä,©,ç□A□V,µ,ç  
—\—ñ,đ'Ç%oÁ,µ,È, ,è,ì,È,è,Ü,¹,ñ□B—\—ñ,³,è,½fNf%oCfAf"fg,ì,» ,ì'¼,ì□î·ñ,ì□A—\—ñ IP  
fAfhfCEfX,đ·ÜŽ□,µ,½,Ü,Ü,Á·ì□X,Á,« ,Ü,·□B

CE»Ý·É,ìfNf%oCfAf"fg,ªŽg,Á,Ä,ç,é fAfhfCEfX,đ—\—ñ,µ,½□é□±□AfAfhfCEfX,ªŽ©"®"ì,É%ođ·ú,³,è,é,í, ,Á,ì,  
è,Ü,¹,ñ□BfNf%oCfAf"fg,É□V,µ,çfAfhfCEfX,đ—\—ñ,·,é□é□±,à□AfNf%oCfAf"fg,ªCE»ÝŽg,Á,Ä,ç  
 ,é fAfhfCEfX,Æ^ù,È,é fAfhfCEfX,đ—\—ñ,·,é□é□±,ì□ADHCP fT□[fo□[ ,ª,» ,ìfAfhfCEfX,ìfŠ□[fX,đ□s,Á,Ä,ç,É,è,  
 ,©,Ç,æ,©,đŠm" F,·,é·K—v,ª, ,è,Ü,·□BfAfhfCEfX,ªŽg,ì,è,Á,ç,é□é□±□AfAfhfCEfX,đŽg,Á,Ä,ç,é fNf  
%oCfAf"fg,ì□A%ođ·ú—v□,đ"□s,µ,Ä□AfAfhfCEfX,đ%ođ·ú,µ,È, ,è,ì,È,è,Ü,¹,ñ□BfAfhfCEfX,đ  
%ođ·ú,·,é,É,ì□AfNf%oCfAf"fg fRf"fsf...□[f^ ,ìfRf}f"fh fvf□"fvfg,Á **ipconfig /release** ,Æ"ü—  
ì,µ,Ü,·□BMS-DOS ,đŽg,Á,Ä,ç,é fNf%oCfAf"fg,à□A^è"· ,ìfT□[fH fp□[fefB□»ìfYfCE□[fefBf"fo fvfXfefè  
 ,đŽg,Á,Ä,ç,é fNf%oCfAf"fg,Á,ì□A·ì□X,µ,½Ý'è,đ—LCEø,É,·,é,½,ß,É□Ä^N"® ,·,é·K—v,ª, ,è,Ü,·□BfNf  
%oCfAf"fg,ª^È'ÓŽg,Á,Ä,ç,½fAfhfCEfX,ì—\—ñ,³,è,Ä,ç,é,ì,Á□AfNf  
%oCfAf"fg,É,ì^ù,È,é fAfhfCEfX,ª□Ý'è,³,è,Ü,·□B

,Ü,½□AfAfhfCEfX,đ—\—ñ,µ,Ä,à□AfNf%oCfAf"fg,É,» ,ìfAfhfCEfX,ªŽ©"®"ì,É□Ý'è,³,è,é,í, ,Á,ì, ,è,Ü,¹,ñ□B,±  
 ,ì□é□±,à□AfNf%oCfAf"fg,ì□',«Š·,ì—v□,đ"□s,·,é·K—v,ª, ,è,Ü,·□BfNf%oCfAf"fg fRf"fsf...□[f^ ,ìfRf}f"fh  
 fvf□"fvfg,Á **ipconfig /renew** ,Æ"ü—ì,µ□AZŽ,É□A·K—v,É%ož,ñ,ÄfRf"fsf...□[f^ ,đ□Ä^N"® ,µ,Ä,-  
 ,¾,³,ç□BDHCP fT□[fo□[ ,ì□A,» ,ìfNf%oCfAf"fg,ª—\—ñ,³,è,½fAfhfCEfX,đŽg,Á,Ä,ç,é,±,Æ,đŠm" F,µ□AfNf  
%oCfAf"fg,É,» ,ìfAfhfCEfX,đ□Ý'è,µ,Ü,·□B

DHCP f}f□[fwff,Á IP fAfhfCEfX,đ—\—ñ,µ,½CEä,ì□AfNf%oCfAf"fg fRf"fsf...□[f^ ,đ□Ä^N"® ,µ□A□V,µ,ç IP  
fAfhfCEfX,ÁfRf"fsf...□[f^ ,đ□Ä□□—,µ,Ä,,¾,³,ç□B

**fNf%oCfAf"fg,ì—\—ñ,đ'Ç%oÁ,·,é,É,í**

- 1 [fXfR□[fv] f□fj...□[ ,ì [—\—ñ,ì'Ç%oÁ] ,đfNfŠfbfN,µ,Ü,·□B
- 2 □Ä□%o,ì—\—ñ□ì,ÝfNf%oCfAf"fg,đŽ~·É,·,é,½,ß,ì□î·ñ,đ"ü—ì,µ,Ü,·□B
  - [IP fAfhfCEfX] f{fbfNfX,É,ì□A—\—ñfAfhfCEfX fv□[f<"à,É, ,é fAfhfCEfX,đŽw'è,µ,Ü,·□B—\—ñ□ì,Ý,Á—çŽg—  
p,ì" C^Ó,ì IP fAfhfCEfX,đŽw'è,Á,« ,Ü,·□B□d·j,·,é fAfhfCEfX,Ü,½,ì—\—ñ,³,è,Ä,ç,É,ç fAfhfCEfX,đ"ü—  
ì,·,é,Æ□ADHCP f}f□[fwff,É,æ,Á,ÄCEx□□,ª·\Ž!,³,è,Ü,·□B
  - [^è^Ó,ì ID] f{fbfNfX,É,ì□AfNf%oCfAf"fg fRf"fsf...□[f^ ,ìfìfbfgf□□[fN fAf\_fvf^ f□[fh,ì MAC (Media  
Access Control) fAfhfCEfX,đŽw'è,µ,Ü,·□BMAC fAfhfCEfX,ì□AfNf%oCfAf"fg fRf"fsf...□[f^ ,ìfRf}f"fh  
fvf□"fvfg,Á **net config wksta** ,Æ"ü—ì,·,é,ÆŠm" F,Á,« ,Ü,·□B
  - [fNf%oCfAf"fg-¼] f{fbfNfX,É,ì□AfNf%oCfAf"fg,ìfRf"fsf...□[f^ -¼,đŽw'è,µ,Ü,·□BfRf"fsf...□[f^ -  
¼,ìŽ~·É,ì,½,ß,¾, ,ÉŽg,ì,è□AfNf%oCfAf"fg,ìŽÄ□Ü,ìfRf"fsf...□[f^ -¼,É,ì%oè< ,µ,Ü,¹,ñ□B
  - [fNf%oCfAf"fg fRf□"fg] f{fbfNfX,É,ì□AfNf%oCfAf"fg,đ□à-¾,·,é" C^Ó,ìfefLxfg,đ"ü—ì,µ,Ü,·□BfNf  
%oCfAf"fg fRf□"fg,ì□É—ª,Á,« ,Ü,·□B

3 [ 'Ç%oÁ] ,đfNfŠfbfN,µ□ADHCP ff□[f^fx□[fX,É—\—ñ,đ'Ç%oÁ,µ,Ü,·□B,Ü,©,É,à'Ç%oÁ,·,é—\—  
ñ,ª, ,é□é□±,ì□Af\_fCfAf□fo f{fbfNfX,đ·Á,ñ, ,É—\—ñ,đ'Ç%oÁ,Á,« ,Ü,·□B

**—\—ñ IP fAfhfCEfX,đ·ì□X,·,é,É,í**

- 1 [fAfNfefBfu fŠ□[fX] f\_fCfAf□fo f{fbfNfX,Á□A·ì□X,·,é—\—ñ IP fAfhfCEfX,đfNfŠfbfN,µ,Ü,·□BŽŽ,É□A□[□æ]  
 ,đfNfŠfbfN,µ□A[OK] ,đfNfŠfbfN,µ,Ü,·□B
- 2 [fXfR□[fv] f□fj...□[ ,ì [—\—ñ,ì'Ç%oÁ] ,đfNfŠfbfN,µ□AZŽ,É□A□V,µ,ç—\—ñ,ì□î·ñ,đ"ü—ì,µ,Ü,·□B□Ü□x,É,Á,ç  
 ,Ä,ì□A□ufNf%oCfAf"fg,ì—\—ñ,đ'Ç%oÁ,·,é,É,ì□v,đŽQ□Æ,µ,Ä,,¾,³,ç□B

—\-ñï,ÝfNf%ofCfAf“fg,ÌŠî- {ï•ñ,ð•ïX,.,é,É,Í

- 1 [fXfR[fv] f[]fj...[][,ì [fAfNfefBfu fŠ[]fX] ,ðfNfŠfbfN,μ,Û,·[]B
- 2 [fNf%ofCfAf“fg] ^è—,Ä[]A•ïX,.,é—\-ñï,ÝfNf%ofCfAf“fg,ðfNfŠfbfN,μ[]AZÿ,É [fvf[]pfefB] ,ðfNfŠfbfN,μ,Û,·[]B
- 3 [fNf%ofCfAf“fg,ìfvf[]pfefB] f\_fCfAf[]fO f{fbfNfX,Ä[]A[^è^Ó,ì ID]A[fNf%ofCfAf“fg-¼]A,Û,½,Í [fNf%ofCfAf“fg fRf[]“fg] f{fbfNfX,ì“à—e,ð•ïX,μ[]AZÿ,É [OK] ,ðfNfŠfbfN,μ,Û,·[]B[fNf%ofCfAf“fg,ìfvf[]pfefB] f\_fCfAf[]fO f{fbfNfX,Ä'ì,ð•ïX,Ä,«,é,ì,ìA—\-ñï,ÝfNf%ofCfAf“fg,ìé[]‡,¾,¯,Ä,·[]B

'[]

- —\-ñï,ÝfNf%ofCfAf“fg,ì[]\-f[]pf%of[]f^,ð'è<`.,é DHCP flfvfVf[]f“ f^fCfv,ð•\ Ž,μ,½,è[]A•ïX,μ,½,è,.,é,±,Æ,à,Ä,«,Û,·[]B[]Ü[]x,É,Â,ç,Ä,Í[]A[]u—\-ñ—p,ìfvfVf[]f“,ð'è<`.,é[]v,ðŽQ[]Æ,μ,Ä,-¾,¾,¾,ç[]B

**[íœ]**

'I'ð,μ,½ DHCP fT[fo[,ð [DHCP f}f![]fWff] fEfBf“fhfE,î^ê—,©,çíœ,μ,Û,·B

**[DHCP fT[fO[l,ì'Ç%Á]**

[DHCP fT[fO[l,ì'Ç%Á] f\_fCfAfO f{fbfNfX,íAÚ'±,·,é DHCP fT[fO[l,ì-¼'O,ðŽw'è,·,é,Æ,«,ÉŽg,¢  
,Ü,·B,±,ìf\_fCfAfO f{fbfNfX,íA[fT[fO[] fffj...[ì [Ç%Á] ,ðNfŠfbfN,μ,½,Æ,«,É•Ž!,³,è,Ü,·B

**DHCP fT[fO[l,ð^è—,É'Ç%Á,·,é,É,Í**

▶ DHCP fT[fO[l,ì-¼'O,Ü,½,Í IP fAfhfEfX,ð“ü—Í,μAZÿ,É [OK] ,ðNfŠfbfN,μ,Ü,·B

**[fXfR[fv,ììì-] ,Æ [fXfR[fv,ìfvìfpfefB]**

[fXfR[fv,ììì-] f\_fCfAfO f\_{fbfNfX,íAftfufibfg,ìV<KfXfR[fv,ðìì-,·,é,Æ,«,ÉŽg,č,Ü,·B,±  
,ì\_fCfAfO f\_{fbfNfX,íA[fXfR[fv] fìfj...[.] [ììì-] ,ðNfŠfbfN,μ,½,Æ,«,É•\Ž|,³,ê,Ü,·B

[fXfR[fv,ìfvìfpfefB] f\_fCfAfO f\_{fbfNfX,íAfXfR[fv,ìfAfhfCfX fv[f<,ð•ìX,·,é,Æ,«,ÉŽg,č,Ü,·B,±  
,ì\_fCfAfO f\_{fbfNfX,íA[fXfR[fv] fìfj...[.] [fvìfpfefB] ,ðNfŠfbfN,μ,½,Æ,«,É•\Ž|,³,ê,Ü,·B

**€-Ú**

[P\_fAfhfCfX fv[f<|,ì [Š]ŽnfAfhfCfX] ,Æ [ì-¹fAfhfCfX]

[ftfufibfg\_f}fXfN]

[œŠO"íí|,ì [Š]ŽnfAfhfCfX] ,Æ [ì-¹fAfhfCfX]

[œŠO,·,éfAfhfCfX]

[fŠ[fXŠúŠÒ],ì [-³ŠúCÈÀ] ,Æ [ŠúŠÒ]

[-¼'O]

[fRf"fg]

**[fš [fXšúšô] , ì [-³šúĉÈÀ] , Æ [šúšô]**

, ±, ìfXfR [fv, ìfš [fX, ì—LĉøšúĉÈÀ, º∅, ê, È, ċ, æ, x, É, ·, é∅ê∅±, íA[-³šúĉÈÀ] , ðfNfšfbfN, μ, Ů, ·∅B

, ±, ìfXfR [fv, ìfš [fX, ì—LĉøšúĉÈÀ, ð'è<` , ·, é, É, íA["ú]A[žžšô]A, " , æ, Ñ [•º]

, ìšef {fbfNfX, ÅA fš [fX, º'¶'±, ·, é"ú" Ažžšô" A, " , æ, Ñ•º" , ðžw'è, μ, Ů, ·∅B

**[fTfufifbfg ID]**

,±,ìfXfR[]fv,ÉŠÖ~A•t,¯,ç,ê,½fTfufifbfg,ðŽ~•Ê,·,é,É,í[]A[fTfufifbfg ID]  
f{fbfNfX,É[]AŠÖ~A,·,éfTfufifbfg,ì[]Å[]%,ì IP fAfhfCEfX,ð"ü—í,μ,Ü,·[]B



## [fTfuflfbfg f}fXfN]

[fTfuflfbfg f}fXfN] f{fbfNfX,É□AŠÖ~A,·,éTfuflfbfg,ìTfuflfbfg f}fXfN,ð“ü—í,μ,Û,·□B

fTfuflfbfg f}fXfN,ì'í,í□AClass A fAfhfCEfX,ì□ê□#,í 255.0.0.0□AClass B fAfhfCEfX,ì□ê□#,í  
255.255.0.0□AClass C fAfhfCEfX,ì□ê□#,í 255.255.255.0 ,É,È,è,Û,·□B

**[IP fAfhfCefX fv[f<] ,ì [ŠJŽnfAfhfCefX] ,Æ [□I—<sup>1</sup>fAfhfCefX]**

,±,ìfXfR□[fv,Å—~—p,Å,«,é IP fAfhfCefX,ì—LCEø"í^í,ð'è<` ,·,é,É,í□A[ŠJŽnfAfhfCefX] f{fbfNfX,Æ [□I—<sup>1</sup>fAfhfCefX] f{fbfNfX,É□AIP fAfhfCefX"í^í,ì□æ"ª,ìfAfhfCefX,Æ--"ö,ìfAfhfCefX,ð"ü—í,μ,Ü,·□B

[ŠJŽnfAfhfCefX] f{fbfNfX,·,æ,Ñ [□I—<sup>1</sup>fAfhfCefX] f{fbfNfX,É"ü—í,μ,½fAfhfCefX,à□Afv□[f<,ÉŠÜ,Ü,é,Ü,·□B  
fvf%ofCf}fŠ fT□[fo□[□ä,ÅfXfR□[fv,ðfAfnfefBfu%o» ,·,é,É,í□A,±,ì□î•ñ,ð"ü—í,μ,É,·,é,î,È,è,Ü,<sup>1</sup>,ñ□B

**[œŠO"íí] ,ì [ŠŽnfAfhfĀfX] ,Æ [I—¹fAfhfĀfX]**

- IP fAfhfĀfX fv[f<"íí"à,ìœŠOfAfhfĀfX,đ'è<` ,.é,É,íA[œŠO"íí] fRf"fgf[f<,đŽg,ĉ,Ü,·B  
œŠO"íí,ìæ"ª,ì IP fAfhfĀfX,đ [Š]ŽnfAfhfĀfX] f{fbfNfX,É"ü—í,μAœŠO"íí,ì--"ö,ì IP  
fAfhfĀfX,đ [I—¹fAfhfĀfX] f{fbfNfX,É"ü—í,μ,Ü,·BŽY,ÉA[‘Ç%Á]  
,đfNfŠfbfN,μ,Ü,·B,Ü,©,É,àœŠO"íí,ª, ,é,íA" ,¶•ù-@,Á'è<` ,μ,Ü,·B
  - 'P^ê,ì IP fAfhfĀfX,đœŠO,·,é,É,íAœŠO,·,é IP fAfhfĀfX,đ [Š]ŽnfAfhfĀfX] f{fbfNfX,É"ü—  
í,μ,Ü,·B[I—¹fAfhfĀfX] f{fbfNfX,íA<ó,ì,Ü,Ü,É,μ,Ä, ",«,Ü,·B
- ,Ü,©,ì DHCP fT[fœ[A"ñ DHCP fNf%ofCfAf"fgAfffBfXfNfĀfX f[fNfXfe[fVf#“A,Ü,½,í RAS fNf  
%ofCfAf"fg,È,Ç,ÉŽè“® ,ÅŠ,,è“- ,Ä,½ IP fAfhfĀfX,íA,· ,x,ÄœŠO"íí,Æ,μ,Ä'è<` ,μ,Ä, ,•K—v,ª, ,è,Ü,·B,±  
,ê,ç,ìfAfhfĀfX,íADHCP ,É,æ,éŽ©“®[~—,É,í—~—p,Å,«,Ü,¹,ñB

**[ŠO, .éfAfhfEfX]**

IP fhfhfEfX,đíœ, .,é,É,íAíœ, .,é IP fhfhfEfX,đNfŠfbfN,μAZŸ,É [íœ] ,đNfŠfbfN,μ,Ü, .B

**[-¼'Ö]**

128 •¶Žš,Ü,Å,İfXfR□[fv-¼,ð“ü—Í,μ,Û,·□B

fTfufjfbfg,ð•\,“C^Ó,İ-¼'Ö,ðŽw'è,Å,«,Û,·□BfXfR□[fv-¼,É,Í□A%opŽš□A□”Žš□A,“,æ,ŃfñfCftf“,ðŽg—  
p,Å,«,Û,·□B

[fRf“fg]

,±,ìfXfR[fv,ðà-¾,·,é”C^Ó,ì•¶Žš—ñ,ð“ü—í,μ,Û,·B

**[•À,×'Ö,;]**

[fNf%ofCfAf“fg] ^ê——,đ IP fAfhfĀfX□‡,É•\Ž!,. ,é,ĀE,«,í□A[IP fAfhfĀfX□‡,ÉfŠ□[fX,đ•À,×'Ö,;,é]  
,đfNfŠfbfN,μ,Ü,·□B

DNS -¼□‡,É•\Ž!,. ,é,ĀE,«,í□A[-¼'O□‡,ÉfŠ□[fX,đ•À,×'Ö,;,é] ,đfNfŠfbfN,μ,Ü,·□B

## [fAfNfefBfu fŠ[fX]

,±,lf\_cCfAf□FO f{fbfNfX,í□A[DHCP f}fí□[fWff] fEfBf“fhfE,Å'!‘ð,μ,½fXfR□[fv,lfNf%ofCfAf“fg□î•ñ,ð•\  
Ž|,Ü,½,Í•í□X,·,é,Æ,«,ÉŽg,č,Ü,·□B,±,lf\_cCfAf□FO f{fbfNfX,ð•\Ž|,·,é,É,í□A[fXfR□[fv] f□fjf...□[.ì [fAfNfefBfu  
fŠ[fX] ,ðfNfŠfbfN,μ,Ü,·□B

□€-Ú

[fNf%ofCfAf“fg]

[fvf□pfefB]

[□í□œ]

[□@□‡□«]

[—\-ř□î•ñ,ì,Ý,ð•\Ž|,·,é]

[•À,x'Ö,|]

[flfvVf‡f“]

[fŠ[fX,ìŠúçÈÀ]



【@#<】

DHCP ff[f^fx[fX,ÆfCFWfXfgfŠ,Æ,ÌŠÖ,ì@#<«,đ'²,x,éfvfOf%of€,đŽÀs,μ,Û,·B,±,ì'€],É,æ,Á,ÄADHCP ff[f^fx[fX,ì'èŠÑ«,³CEŸ,³,è,Û,·B·s@#<,È,·,x,Ä,ì IP fAfhfCFX,³A^ê——,É·\Žì,³,è,Û,·B·s@#<,È IP fAfhfCFX,Æ,ÍAfCFWfXfgfŠ,ìY'è,Ä,ÍŠ[fX,³,è,Ä,ç,é,É,à,©,©,í,ç,,ADHCP ff[f^fx[fX,É,Í,±,ìi'ñ,³"½%of,³,è,Ä,ç,È,ç IP fAfhfCFX,ì,±,Æ,Ä,·B,±,ì@#<f^fFbfN,ÍAfXfR[fv fCFxf<,ÄŽÀs,³,è,Û,·B,μ,½,³,Ä,ÄAfT[fO[.É·i" ,ÍXfR[fv,³\—,³,è,Ä,ç,éè# ,ÍA,±,ÍvfOf%of€ ,đXfR[fv,²,Æ,ÉŽÀs,·,é·K—v,³,è,Û,·B

fobfNfAfbfv fRfs[,©,ç DHCP ff[f^fx[fX,đ·æCE³,μ,½,Æ,«A,Û,½,ÍvfXfef€,³Nf%ofbvf... ,μ,½CEä,ÍA@#<«,đ'²,x,é,½,ß,ÉA,±,ÍvfOf%of€,đŽÀs,μ,Ä,,³/4,³,çB,Û,½ADHCP ff[f^fx[fX,ì·ÛŽç,ì,½,ß,ÉA'èŠú"l,É,±,ÍvfOf%of€,đŽÀs,·,é,±,Æ,đ,,§,μ,Û,·B

**[fNf%ofCfAf“fg]**

[fNf%ofCfAf“fg] ^ê—,Å,íA•\Ž!,Ü,½,í•ïX,.,éfŠ[fX,ªY’è,<sup>3</sup>ê,Ä,ç,éfRf“fsf...[f^,ðfNfŠfbfN,µ,Ü,·B

**[fš[fX,ìšúĀ]**

'l' ð, μ, ½fNf%ofCfAf“fg, ìĀ»Ÿ, ì IP fAfhfĀfX fš[fX, <sup>a</sup>—LĀøšúĀÀ∅, ê, É, È, é“ú•t, ÆŽž∅, <sup>a</sup>•\Ž!, <sup>3</sup>, ê, Ü, •B

[^ê^Ó,ì ID]

fNf%oCfAf“fg fRf“fsf...[]f^,ìfìfbfgf[][]fN fAf\_fvf^ fj[]f^h,ì MAC (Media Access Control)  
fAfhfCEfX,đŽw’è,.,é^ê^Ó,ìŽ`•ÊŽq,³•\Žì,³,è,Ü,·□B

MAC fAfhfCEfX,í[]fNf%oCfAf“fg fRf“fsf...[]f^,ìfRf}f“fh fvf[]f“fvfg,Å□unet config wksta□v,Æ“ü—  
í,.,é,Æ•\Žì,Å,<,Ü,·□B

**[fNf%ofCfAf“fg-¼]**

'l' ð, μ, ½fNf%ofCfAf“fg, ðŽ·Ê, ·, é-¼'O, ð·ÏX, ·, é, Ê, ÍA[fNf%ofCfAf“fg-¼] f{fbfNfX, ÊV, μ, ç-¼'O, ð“ü—  
Í, μ, Ü, ·B

, ±, ì-¼'O, ÍŽ·Ê, ì, ½, ß, ¾, ·, ÉŽg, í, êAfNf%ofCfAf“fg, ìŽÀÛ, ìRf“fsf... [f^-¼, É, Í%e<ç, μ, Ü, ð, ñB

**[fNf%ofCfAf“fg fRf□f“fg]**

'l' ð, μ, ½fNf%ofCfAf“fg, ð□à-¾, ·, é”C^Ó, ìfefLfXfg, ð“ü—í, μ, Ü, ·□B

**[—\-ñ□î•ñ,ì,Ý,ð•\Ž!,·,·,é]**

—\-ñ IP fAfhfCEfX,ðŽg,xfNf%ofCfAf“fg,¾,¯,ð•\Ž!,·,·,é,É,í□A[—\-ñ□î•ñ,ì,Ý,ð•\Ž!,·,·,é] f`fFfbfN  
f{fbfNfX,ðfj“ ,É,μ,Ü,·□B

## [fifvfVf#f“]

—\-ñfNf%ofCfAf“fg,lfifvfVf#f“ f^fCfv,đ•i□X,·,é,É,í□A[fNf%ofCfAf“fg] ^ê—,Å—\-ñfNf  
%ofCfAf“fg,đf\_fuf<fNfŠfbfN,μ,Ü,·□BŽŸ,É□A[fifvfVf#f“ ] ,đfNfŠfbfN,μ□A[DHCP fifvfVf#f“□F —\-ñ]  
f\_fCfAf□fO f{fbfNfX,đ•\Ži,μ,Ü,·□B

,±,lf{f^f“,ª•\Ži,³,ê,é,ì,í□A—\-ñfNf%ofCfAf“fg,ì□ê□#,¾,¯,Å,·□B



## [fvf]pfefB]

—\-ñfNf%ofCfAf“fg, ìfvf]pfefB, ð•ïX, ·, é, É, íA[fNf%ofCfAf“fg] ^ê—, Å—\-ñfNf  
%ofCfAf“fg, ðfNfŠfbfN, μ, Ü, ·BŽŸ, ÉA[fv]pfefB] , ðfNfŠfbfN, μA[fNf%ofCfAf“fg, ìfv]pfefB] f\_fCfAf]fO  
f{fbfNfX, ð•Ž, μ, Ü, ·B

**[íœ]**

fNf%ofCfAf“fg,ì DHCP □\□¬,ðŽæ,è□Á,·,É,í□A[fNf%ofCfAf“fg] ^ê—,Å□ADHCP □\□¬,ðŽæ,è□Á,·fNf %ofCfAf“fg,ðfNfŠfbfN,μ□AŽŸ,É [íœ] ,ðfNfŠfbfN,μ,Û,·□B

**[—\~ñfNf%ofCfAf“fg,ì'Ç%oÁ] ,Æ [fNf%ofCfAf“fg,ìfvf[]pfefB]**

,±,ìf\_fCfAf[]fO f{fbfNfX,íAŽw'è,μ,½fNf%ofCfAf“fg,ìî•ñ,ð'Ç%oÁA•\Ž![]A,Û,½,í•ï[]X,·,é,Æ,«,ÉŽg,ç  
,Û,·[]B[]V,μ,ç=—\~ñ,ð'Ç%oÁ,·,é,½,β,É,±,ìf\_fCfAf[]fO f{fbfNfX,ð•\Ž!,·,é,É,í[]A[fXfR[][fv] f[]ff...[]L,ì [—\~ñ,ì'Ç  
%oÁ] ,ðfNfŠfbfN,μ,Û,·[]B—\~ñfNf%ofCfAf“fg,ÉŠÖ,·,éî•ñ,ð•\Ž!,Û,½,í•ï[]X,·,é,½,β,É,±,ìf\_fCfAf[]fO  
f{fbfNfX,ð•\Ž!,·,é,É,í[]A[fAfNfefBfu fŠ[][fX] f\_fCfAf[]fO f{fbfNfX,ì [fNf%ofCfAf“fg] ^è—,ÅfNf%ofCfAf“fg-  
¼,ðfNfŠfbfN,μ[]A[fvf[]pfefB] ,ðfNfŠfbfN,μ,Û,·[]B

**[]€-Ú**

[IP fAfhf[]fX]

[^ê^Ó,ìID]

[fNf%ofCfAf“fg-¼]

[fNf%ofCfAf“fg fRf[]f“fg]

[flfvfVf[]f“]

## [IP fAfhfĀfX]

—\-ñfAfhfĀfX fv□[f<,É, ,é^ê^Ó,ì IP fAfhfĀfX,ð“ü—í,μ,Û,·□B

□V,μ,ϕ—\-ñ,ð'Ç%oÁ,·,é,Æ,«,í□A—\-ñ□ĩ,Ÿ,Ā-ϕŽg—p,ì”C^Ó,ì IP fAfhfĀfX,ðŽw'è,Ā,«,Û,·□B

—\-ñfNf%ofCfAf“fg,ÉŠÖ,·,é□î•ñ,ð•ĩ□X,μ,Ā,ϕ,é□ê□#□A—\-ñ IP fAfhfĀfX,í•ĩ□X,Ā,«,Û,<sup>1</sup>,ñ□B—\-ñfNf  
%ofCfAf“fg,ìfAfhfĀfX,ð•ĩ□X,·,é,É,í□A[fAfNfefBfu fŠ□[fX] f\_fCfAf□fO f{fbfNfX,ì [fNf%ofCfAf“fg] ^ê—  
,Ā,»,ìfAfhfĀfX,ð□í□œ,μ□AŽŸ,É [fXfR□[fv] f□fjf...□[,ì [-\-ñ,ì'Ç%oÁ] ,ðfNfŠfbfN,μ,Ā□V,μ,ϕ—\-ñ,ð'Ç  
%oÁ,μ,È,̄,ê,î,È,è,Û,<sup>1</sup>,ñ□B

[^ê^Ó,ì ID]

fNf%oCfAf“fg fRf“fsf...[]f^,ìfìfbfgf[][]fN fAf\_fvf^ fj[]fh,ì MAC (Media Access Control)  
fAfhfCEfX,đŽw’è,·,é^ê^Ó,ìŽ·•ÊŽq,đ“ü—í,μ,Û,·□B

MAC fAfhfCEfX,í[]fNf%oCfAf“fg fRf“fsf...[]f^,ìfRf}f“fh fvf[]f“fvfg,Å□unet config wksta□v,Æ“ü—  
í,·,é,Æ•Žì,³,ê,Û,·□B

**[fNf%ofCfAf“fg-¼]**

fNf%ofCfAf“fg,lfRf“fsf...[f^-¼,ð“ü—í,μ,Ü,·B

,±,ì-¼'O,íŽ·Ê,ì,½,ß,¾,¯,ÉŽg,í,êAfNf%ofCfAf“fg,ìŽÀÜ,lfRf“fsf...[f^-¼,É,í%oe<¿,μ,Ü,¹,ñB

**[fNf%ofCfAf“fg fRf□f“fg]**

fNf%ofCfAf“fg, ðà-¾, ., é”C^Ó, ìfefLfxfg, ð”ü—í, μ, Ü, · □BfNf%ofCfAf“fg fRf□f“fg, íÈ—ª, Å, «, Ü, · □B

**[DHCP flfvVf#f"] (fOf[fof<AfXfR[fv,Ü,½,í-ñ])**

,±,lf\_cCfAf□fo f{fbfNfX,íADHCP fT□fo□□ã,ì,·,x,Ä,lfXfR□[fv,Ü,½,í'δ,μ,½fXfR□[fv,É DHCP flfvVf#f",δŠ,,è"-,Ä,é,Æ,«,ÉŽg,ç,Ü,·□B,±,lf\_cCfAf□fo f{fbfNfX,δ·\Ž!,·,é,É,í□A[DHCP flfvVf#f"] f□fj...□[,ì [fOf□□[fof<],Ü,½,í [fXfR□[fv],δfNfŠfbfN,μ,Ü,·□B

,Ü,½□A,±,lf\_cCfAf□fo f{fbfNfX,δŽg,α,Æ□A—\ñ,lf\_lfvVf#f" f^fCfv,δ·ï□X,Å,«,Ü,·□B—\ñfNf%ofCfAf"fg,É'í %ož,·,é,±,lf\_cCfAf□fo f{fbfNfX,δ·\Ž!,·,é,É,í□A[fXfR□[fv] f□fj...□[,ì [fAfNfefBfu fŠ□[fX],δfNfŠfbfN,μ□A[fNf %ofCfAf"fg] ^è—,Å□AflfvVf#f" f^fCfv,δ·ï□X,·,é—\ñfAfhfCEfX,δfNfŠfbfN,μ,Ü,·□BŽŸ,É□A[fvf□fpefB] ,δfNfŠfbfN,μ□A[flfvVf#f"] ,δfNfŠfbfN,μ,Ü,·□B□V,μ,ç—\ñfNf%ofCfAf"fg,ìè□#,í□A[—\ñfNf%ofCfAf"fg,ì'Ç %oÁ] f\_cCfAf□fo f{fbfNfX,ì [flfvVf#f"] ,δfNfŠfbfN,μ,Ü,·□B

**□€-Ú**

[flfvVf#f"]

[Žg—p,μ,È,çflfvVf#f"]

[Žg—p,·,éflfvVf#f"]

[']

☞»□Ý,ì'!



["] f{f^f"

[ ' ] , ð f N f Š f b f N , · , é , Æ [ A ' ð , μ , ½ f l f v f V f # f " , ì E » [ Ý , ì ' l , ð • \ Ž | , Ü , ½ , í • Ò [ W , Å , « , Ü , · [ B

[fjfvfVf†f“ fNf%ofX]

•W□€,\AE—\—ñ,ì,Ç,ç,ì,ç,ìfjfvfVf†f“,ìŽí—p,É□Ý’è,ª“K—p,<sup>3</sup>,ê,é,©,ª•\Ž|,<sup>3</sup>,ê,Ü,·□B

[fifvfVf#f“]

fifvfVf#f“ f^fcfv, a'è` ,³,ê,Ä,ç,é DHCP fT□[fo□[.ì^ê^Ó,ìŽ`•ÉŽq,a•\Ž|,³,ê,Ü,·□B

## [Žg—p,·,é!fVfVf#f“]

,±,ìfNf%ofX,ÉŠ,,è“-,Ä,ç,ê,½f!fVfVf#f“ f^fCfv,ðííœ,·,é,É,íA[Žg—p,·,é!fVfVf#f“] f{fbfNfX,Åf!fVfVf#f“  
f^fCfv,ì-¼‘O,ðfNfŠfbfN,μAŽŸ,É [ííœ] ,ðfNfŠfbfN,μ,Ü,·B

**[Žg—p,μ,È,çflfvfVf+f“]**

[Žg—p,μ,È,çflfvfVf+f“] ^ê—,Å□A“K—p,·,éflfvfVf+f“ f^fCfv,ì-¼‘O,ðfNfŠfbfN,μ,Ü,·□BŽŸ,É□A[‘Ç%oÁ]  
,ðfNfŠfbfN,μ□A‘I‘ð,μ,½-¼‘O,ð [Žg—p,·,éflfvfVf+f“] ^ê—,É^Ú“® ,μ,Ü,·□B

[Žg—p,μ,È,çflfvfVf+f“] ^ê—,É,Í□A‘è<`□İ,ŸflfvfVf+f“,Æ“ÆŽ©,É‘Ç%oÁ,μ,½fjfx^f€ flfvfVf+f“,ì-¼•û,ª\  
Ž|,³,è,Ü,·□B,½,Æ,ì,Î□A‘I‘ð,μ,½fXfR□[fv“à,ìfRf“fsf...□[f^,ª□A^è‘è,ìfŠ□[fXŠúŠŌ,ð—v<□,Å,«,é,æ,π  
,É,·,é,É,Í□A[Žg—p,μ,È,çflfvfVf+f“] ^ê—,ì [fAfhfçfX fŠ□[fXŽžŠŌ] ,ðfNfŠfbfN,μ□AŽŸ,É [‘Ç%oÁ]  
,ðfNfŠfbfN,μ,Ü,·□B

## ☛»Ÿ,ì'!

fAfnfefBfu,ÈflfvfVf#f“,ì'l,đ'è<` , ,é,É,Í[A[Žg—p,·,éflfvfVf#f“] f{fbfNfX,Ā[A'l,đ'è<` , ,éflfvfVf#f“],ì-  
¼'O,đfNfŠfbfN,μ,Û,·B•Ò[W,·,é“à—e,“,æ,Ñ•û-@,Í[AflfvfVf#f“],ìff[f^☛^,É%ž,Ÿ,ÄŽŸ,ì,æ,κ  
,É^Û,È,è,Û,·B

IP fAfhf☛fX,ìèè# ,Í[A'l'đ,μ,½flfvfVf#f“,ÉŠ,,è“- ,Ä,éAfhf☛fX,đ“ü—Í,μ,Û,·B

“'l,ìèè# ,Í[A'K∅,È 10 ò'ì,Û,½,í 16 ò'ì,đ“ü—Í,μ,Û,·B

•Ÿš—ñ,ìèè# ,Í[A•Ÿš,Û,½,Í“Žš,©,ç—,é“K∅,È ASCII •Ÿš—ñ,đ“ü—Í,μ,Û,·B

,½,Æ,ì,Í[AfXfR[fv“à,ìNf%ofCfAf“fg,žg,κ DNS f[f€ fT[fö[f,đŽw'è,·,é,É,Í[A[Žg—p,·,éflfvfVf#f“] ^è  
—,ì [006 DNS fT[fö[f[] ,đfNfŠfbfN,μ[AŽŸ,É[A[“z—ñ,ì•Ò[W] ,đfNfŠfbfN,μ,Ä DNS fT[fö[f,ì IP  
fAfhf☛fX,ì^è—,đ“ü—Í,μ,Û,·B

**[fifvfVf#f“ f^fCfv,ì'Ç%Á] ,Æ [fifvfVf#f“ f^fCfv,ì•ïX]**

,±,ìf\_fCfAf□fO f{fbfNfX,íA“ÆŽ©,ì DHCP\_fifvfVf#f“ f^fCfv,ð'Ç%Á,Ü,½,Í•Ò□W,·,é,Æ,«,ÉŽg,ç,Ü,·□B

,±,ìf\_fCfAf□fO f{fbfNfX,ð•\Žì,·,é,É,íA[DHCP\_fifvfVf#f“] f□fjf...□[,ì [Šù'è'I]

,ðNfŠfbfN,μ□AŽŸ,É□A•ï□X,·,éfNf%ofX,ðNfŠfbfN,μ,Ü,·□B□V,μ,çfifvfVf#f“ f^fCfv,ð'Ç%Á,·,é,É,íA[□V<K]

,ðNfŠfbfN,μ,Ü,·□BŠù'¶,ì“ÆŽ©,ìfifvfVf#f“ f^fCfv,ð•Ò□W,·,é,É,íA[fifvfVf#f“ -¼] f{fbfNfX,Å-

Ú“ì,ìfifvfVf#f“ -¼,ðNfŠfbfN,μ□AŽŸ,É [•ï□X] ,ðNfŠfbfN,μ,Ü,·□B

□€-Ú

[fNf%ofX]

[-¼'0]

[ff□f^ÇE^]

[“z—ñ]

[ID]

[fRf□f“fg]

[fNf%ofX]

[DHCP fIfvVfjf“□F Šù'è'l] f\_CfAf□fO f{fbfNfX,Å'l'ö,μ,½fIfvVfjf“ fNf%ofX,É,Â,ç,Ä,ì<L□q,Å,·□B



**[-¼'Ö]**

[-¼'Ö] f{fbfNfX,É,ÍA□V,μ,†f{fvfVf†f“-¼,δ“ü—Í,μ,Ü,·□B



**["z-ñ]**

ff[f^E^,"z-ñ,ð•\,·ê‡,íA["z-ñ] f`fFbfN f{fbfNfX,ðfj",É,μ,Û,·B

**[ID]**

[ID] f{fbfNfX,É,íA,±,ìfifvJvf#f“ f^fCfv,ÉŠÖ~A•t, -,é^ê^Ó,ìfR□[fh”Ô□t,đ“ü—í,μ,Û,·□B

**[fRf“fg]**

fifvfVf#f“ f^fCfv,ÉŠÖ,·,éà-¾,ð“ü—Í,μ,Û,·B

## [DHCP fífVfíf“F Šù'è'I]

,±,íf\_CfAf□FO f{fbfNfX,í□A'í'ð,μ,½ DHCP fífVfíf“ f^fCfv,ìŠù'è'I,ì•í□X□A,Ü,½,íjffXf^f€ fífVfíf“  
f^fCfv,ì'Ç%Á□Aí□œ□A,“,æ,Ñ•Ò□W,ð□s,α,Æ,«,ÉŽg,ç,Ü,·□B,±,íf\_CfAf□FO f{fbfNfX,ð•\  
Ž,·,é,É,í□A[DHCP fífVfíf“] f□jf...□[,ì [Šù'è'I] ,ðfNfŠfbfN,μ,Ü,·□B

□€-Ú

[fífVfíf“ fNf%□X]

[fífVfíf“-¼]

[í]

[fRf□“fg]

[□V<K]

[íí□œ]

[•í□X]

[•Ò□W]

**[fifvfVf#f" fNf%ofX]**

[fifvfVf#f" fNf%ofX] ^ê—,Å,í□A•\Ž|,Ü,½,í•ï□X,·,élfifvfVf#f" f^fCfv,lfifvfVf#f" fNf%ofX,ðfNfŠfbfN,μ,Ü,·□B

[fifvVfjf“-¼]

[fifvVfjf“-¼] ^ê—,Å,í□A•\Ži,Ü,½,í•ï□X,·,éfifvVfjf“ f^fCfv,đNfŠfbfN,μ,Ü,·□B



['1]

,±,lf{fbfNfX,Å,Í□A,±,lfvfVf#“ f^fCfv,É'Í,μ,Ä□□¬,³,ê,éŠù'è'l,ð“ü—Í,μ□AŽŸ,É [OK] ,ðfNfŠfbfN,μ,Ü,·□B  
flvfVf#“ ,lff□[f^CE^,³fofCfifŠ“ü—Í,ð•K—v,Æ,·,é□é□#,â”z—ñ,ì□é□#,Í□A[•Ò□W] f{f^f“ ,²•\  
Ž,³,ê,Ü,·□Bf{f^f“ ,ðfNfŠfbfN,·,é,Æ□AŠù'è'l,ð•Ò□W,·,é,½,ß,ì“Á•Ê,Ë\_fCfA□f□O f{fbfNfX,²•Ž,³,ê,Ü,·□B

[fRf□f“fg]

'l'ö,μ,½fifvjvfj“,Éí,μ,Ä [fifvjvfj“ f^fCfv,ìÇ%Á] f\_fCfAf□fO f{fbfNfX,Å'è<`,μ,½fRf□f“fg,<sup>a</sup>•\Ž|,<sup>3</sup>ê,Ü,·□B

**[V<K]**

V,μ,ϕjffXf^f€ flfvfVf#f“ f^fCfv,δ'Ç%oÁ,·,é,É,íA[V<K] ,đfNfŠfbfN,μ,Ü,·B[flfvfVf#f“ f^fCfv,ì'Ç%oÁ]  
f\_fCfAfO f{fbfNfX,ì [-¼'O]A[ff[f^CE^]A,“,æ,Ñ [ID] f{fbfNfX,ÅA-  
¼'OAff[f^CE^A,“,æ,ÑŽ•ÊŽq,đ'è<` ,Å,<,Ü,·B

**[íœ]**

fVfVf#“ f^fCfv,đíœ,·,é,É,íA[fVfVf#“-¼] ^ê—,Åíœ,·,éfVfVf#“,đNfŠfbfN,μAŽŸ,É [íœ]  
.đNfŠfbfN,μ,Û,·B

**[•ïX]**

[fifvfVfjf“-¼] ^ê—,Å‘ð,μ,½fifvfVfjf“ f^fCfv,ð•ïX,·,é,É,íA[•ïX] ,ðNfŠfbfN,μ,Ü,·B

**[•ÒW] ,Æff[f^E^**

•\Ž!,<sup>3</sup>,ê,éff[f^E^,íA,±,lfvfVfj“,É’è<`ï,Ý,ìE^,©A[lfvfVfj“ f^fCfv,ì’Ç%Á] f\_CfAfO  
f{fbfNfX,Á’è<`<sup>3</sup>,ê,½E^,Á,·B’l’ð,μ,½lfvfVfj“,ì’l,ª”z—ñ,ìê#;íA[•ÒW] f{f^f“,ª•\Ž!,<sup>3</sup>,ê,Ü,·B  
[•ÒW] ,ðNfŠfbfN,·,é,ÆA’l’ð,μ,½lfvfVfj“,ìff[f^E^,É%ž,¶,ÄA[IP fAfhfEfx”z—ñfGffBf^]  
f\_CfAfO f{fbfNfX,Ü,½,í [“l”z—ñfGffBf^] f\_CfAfO f{fbfNfX,ª•\Ž!,<sup>3</sup>,ê,Ü,·B

## [IP fAfhfCEfX”z—ñfGffBf^]

,±,lf\_fCfAf□fo f{fbfNfX,í□A'í'ð,μ,½flfvfVf#f“ f^fCfv,ìŠù'è,ì IP fAfhfCEfX'í,ð•í□X,.,é,Æ,«,ÉŽg,č,Ü,·□B,±  
,lf\_fCfAf□fo f{fbfNfX,ð•\Ž|,.,é,É,í□A[DHCP flfvfVf#f“□F Šù'è'í] f\_fCfAf□fo f{fbfNfX,ì [flfvfVf#f“-¼]  
f{fbfNfX,Å□Aff□[f^CE^,ª IP fAfhfCEfX,ì”z—ñ,Å, ,éflfvfVf#f“-¼,ðfNfŠfbfN,μ□AZŽ,É [•Ò□W]  
,ðfNfŠfbfN,μ,Ü,·□B

□€-Ú

[fAfvfŠfP□[fvf#f“] ,Æ [flfvfVf#f“]

[□V,μ,č IP fAfhfCEfX]

[IP fAfhfCEfX]

[fT□[fo□[-¼]

[%oðCE^]

**[fAfvfŠfP[fVfjf“] ,Æ [fifvfVfjf“]**

fNf%ofX f^fCfv ([fOf[fof<]A[fXfR[fv]A,Ü,½,Í [—\-ñ] ,ì,ç,.,ê,©) ,ÆA'í'ð,μ,½•ÒW't,lfifvfVfjf“,ª•\  
Ž,³,ê,Ü,·B



**[V,μ,ϕ IP fAfhfCefX]**

^ê—,É'Ç%Á,·,éV<K IP fAfhfCefX,ð"ü—Í,μ,Ü,·BŽŸ,É[A[Ç%Á] ,ðfNfŠfbfN,μA"ü—Í,μ,½fAfhfCefX,ð  
[IP fAfhfCefX] ^ê—,É^Ú"®,μ,Ü,·B

**[IP fAfhfCefX]**

CE»Ÿ,ìšù'è'l,ð□□→,·,é"z—ñ,ìŠe—v'f,Å, ,é IP fAfhfCefX,<sup>a</sup>•\Ž|,<sup>3</sup>,ê,Û,·□B

^ê—,É□V,μ,ϕ'l,δ'Ç%Á,·,é,É,í□A[□V,μ,ϕ IP fAfhfCefX] f{fbfNfX,ÉfAfhfCefX,ð"ü—í,μ□AŽŸ,É ['Ç%Á]  
,ðfNfŠfbfN,μ,Û,·□B^ê—,©,çfAfhfCefX,ð□í□œ,·,é,É,í□A—Ú"l,ìfAfhfCefX,ðfNfŠfbfN,μ□AŽŸ,É [□í□œ]  
,ðfNfŠfbfN,μ,Û,·□B

,Ù,Æ,ñ,Ç,ì IP fAfhfCefX'l,í□A^ê—,ì□æ"<sup>a</sup>,©,ç□‡,ÉŽg,í,ê,é,½,β□AŽg—p,·,é□‡,É'l,ðŽw'è,μ,Û,·□B^ê—  
,ì't,ìfAfhfCefX,ì□‡□~,ð•ï□X,·,é,É,í□A•ï□X,·,éfAfhfCefX,ðfNfŠfbfN,μ□AŽŸ,É□ăCEü,«-î^óf{f^f",Û,½,í  
%<sup>o</sup>CEü,«-î^óf{f^f",ðfNfŠfbfN,μ,Ă□AfAfhfCefX,ì^Ê'u,ð^Ú"® ,μ,Û,·□B

## [fT[fO[-¼]

IP fAfhfCEfX,đ'è<` ,;é DHCP fT[fO[,đŽw'è,·,é,É,íA[fT[fO[-¼] f{fbfNfX,ÉfT[fO[,ì-¼'O,Ü,½,í IP fAfhfCEfX,đ"ü—í,μ,Ü,·B-¼'O,ì%đCE^,đs,ϣ,É,íA[%đCE^] ,đfNfŠfbfN,μ,Ü,·B

**[%oδCE^]**

fT[fO[-¼,đ IP fAfhfCEfX,É%oδCE^,·,é,É,ÍA[%oδCE^] ,đfNfŠfbfN,μ,Ü,·B

## [□"l"z—ñfGffffBf^]

,±,lf\_cCfAf□fO f{fbfNfX,í□A'í'ð,μ,½flfvfVf+f" f^fCfv,ìŠù'è'l,ð•ï□X,·,é,Æ,«,ÉŽg,č,Ü,·□B,±,lf\_cCfAf□fO  
f{fbfNfX,ð•\Ž|,·,é,É,í□A[DHCP flfvfVf+f"□F Šù'è'l] f\_cCfAf□fO f{fbfNfX,ì [flfvfVf+f"^-¼]  
f{fbfNfX,Å□Aff□[f^CE^,ª□"l,ì"z—ñ,Å, ,éflfvfVf+f"^-¼,ðfNfŠfbfN,μ□AŽŸ,É [•Ò□W] ,ðfNfŠfbfN,μ,Ü,·□B

## □€-Ú

[fAfvfŠfP□[fvf+f"l,Æ [flfvfVf+f"l]

[ftfjfbfg\_fTfCfY]

[□V,μ,č'l]

[CE»□Ý,ì'l]

[ff□[f^"ü—Íf,□[fh]

[ftfjfbfg fTfCfY]

'l,}ff[]f^ fTfCfY,^fjfnfefbfg'P^Ê,Å•\Ž|,³,ê,Ü,·□B

**[V,μ,ϕ']**

"z—ñ,É'Ç%Á,·,é[V,μ,ϕ']đŽw'è,μ,Ü,·B

[V,μ,ϕ'] f{fbfNfX,É'I,đ"ü—Í,μ,Ü,·BŽŸ,ÉA[Ç%Á] ,đfNfŠfbfN,μA"ü—Í,μ,½'I,đ [CE»Y,ì'] ^ê—  
,É^Ú"®,μ,Ü,·B

**[CE»Ÿ,ì'í]**

CE»Ÿ,ìšù'è'l,đ□□-.,é"z-ñ,ìŠe-v'f,Å, ,é'l,a•\Ž!,<sup>3</sup>,ê,Û,·□B

^ê—,É□V,μ,ç'l,đ'Ç%oÁ,·,é,É,í□A[□V,μ,ç'l] f{fbfNfX,É□"l,đ"ü—í,μ□AŽŸ,É ['Ç%oÁ] ,đfNfŠfbfN,μ,Û,·□B

^ê—,©,ç'l,đ□í□œ,·,é,É,í□A-Ú'l,ì'l,đfNfŠfbfN,μ□A[□í□œ] ,đfNfŠfbfN,μ,Û,·□B

,Ù,Æ,ñ,Ç,ì'l,í□A^ê—,ì□æ"ª,©,ç□#,ÉŽg,í,é,é,½,ß□AŽg—p,·,é□#,É'l,đŽw'è,μ,Û,·□B^ê—

,ì't,ì'l,ì□#□~,đ•ï□X,·,é,É,í□A•ï□X,·,é'l,đfNfŠfbfN,μ□AŽŸ,É□ãCEü,«-î^óf{f^f",Û,½,í%o²CEü,«-  
î^óf{f^f",đfNfŠfbfN,μ,Ä□A'l,ì^Ê'u,đ^Ú"® ,μ,Û,·□B



**[ff][f^“ü—Íf, [fh]**

'l,đ“ü—Í,·,é•û-@,đžw'è,·,é,É,Í[A[10 □i□"] ,Ü,½,Í [16 □i□"] ,đfNfŠfN,μ,Ü,·□B

[ŽŸ, ðæ%æ]

[DHCP f}f[fWff] fEfBf“fhfE, ðfAfNfefBfu, Èðì<Æ—ì^æ, ðŽŸ, ðæ%æ, É^Ú“®, µ, Ü, ·, ðB

[<<ŠE,İ•İX]

[DHCP f}f[]fWff] fEfBf“fhfE,İ<æ%œ,İ<<ŠE,đ^Ú“ @%Â“\,É,μ,Ü,·Bf}fEfX,Å<<ŠE,đ-Ú“l,İ^Ê‘u,Ü,Åfhf  
%ofbfO,μA fNfŠfbfN,μ,Ü,·B

## [fXfe][f^fX fo[]]

[DHCP f}f[]fWff] fEjBf“fhfE, i[]Å%°•” ,ÉfXfe[]f^fX fo[][,đ•\Ž!,μ,Ü,·[]BfXfe[]f^fX  
fo[][,É,í[]ACE»[]Ý‘!đ,<sup>3</sup>,ê,Ä,ç,éfRf}f“fh,âCE»[]Ý,ì— —p[]ó<μ,É,Â,ç  
,Ä,ìî•ñ[]A,“,æ,Ñ‘!đ,<sup>3</sup>,ê,½fXfR[]fV,²fAfNfefBfu%°»,<sup>3</sup>,ê,Ä,ç,é,©,Ç,α,©,<sup>a</sup>•\Ž!,<sup>3</sup>,ê,Ü,·[]B

fgfsbfN,î^ê—,đ•\Ž!,·,é,É,í□A[fgfsbfN] ,đfNfŠbfN,μ,Ä,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,č□B

