

**[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[fXžžŠÔ,ì"¼·ª,É,·,½,éŽžŠÔ,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'ç,è,Ä,ç,Ü,·Bfjfbfgf[fN,É DHCP fT[fO[L,ðW^,·,é,ÆAZÿ,ì,æ,æ,È~“\_“¾,ç,è,Ü,·B

- fVtfgf[fNŠÇ—ŽÒ,íAfcf“f^[fVtfgf[fN'S'í,É'í,µAfof[fofç,È TCP/IP fpf %of[f^,ÆfTufjfbfgcE—L,ì TCP/IP fpf%of[f^,ðW^+“í,ÉŽw'è,µ,½,èA—\-ñfAfhfçfX,ðŽg,æfNf %ofCfAf“fg,ìfpf%of[f^,ð'è'ç,µ,½,è,Ä,«,Ü,·B
- fNf%ofCfAf“fg fRf“fsf...[f^,íATCP/IP ,ðŽè“@,ÁW^,·,é•K—v,ª, ,è,Ü,¹,ñBfNf%ofCfAf“fg fRf“fsf... [f^,æfTufjfbfgSÔ,ð^U“@,µ,½èé±,íAfcf“fsf...[f^,ìN“@Žž,ÉŽ“@“í,É TCP/IP ,íAW^,ªs,í,è,Ü,·B

### d—v

- •j“ ,ìç[f^ [ ,É,Ü,½,ª,éTufjfbfg,ðTfj[fç,·,é,½,ß,É DHCP fT[fO[L,ðŽg,æé±,íAfc[f^ [ ,ìftf@[fçfEfFfA,ìfAfbvfOfç[fh,ª•K—v,É,È,é,±,Æ,ª, ,è,Ü,·Bfç[f^ [ ,í RFC 1533A1534A1541A,“,æ,Ñ 1542 ,ðTfj[fç,µ,Á,ç,é,à,ì,Ä,È, ,é,í,È,è,Ü,¹,ñBDHCP fŠfç [ fG[fWfFf“fg,ìTfj[fç,É,Ä,ç,Ä,íAfc[f^ [ ,í»'çç³,É-à,ç±,í,¹,Ä,¾,¾,çBÚx,É,Ä,ç ,Ä,íARFC1542.TXT ,ðŽQçÆ,µ,Ä,¾,¾,çBRFC1542.TXT ,íAftp.internic.net:/rfc ,ç“½-¼ FTP ,É,æ,è“üžè,Ä,«,Ü,·B

ŠÖ~Aç€-Ú

DHCP fNf%ofCfAf“fg,ÆfT[fO[L,ìŠT—v

**DHCP fNf%oFCfAf“fg,ÆFT□[fo□[,iŠT—v**

DHCP ,í□AfNf%oFCfAf“fg fT□[fo□[ f,fff<,đ□—p,μ,Ä,ç,Û,·□BDHCP fT□[fo□[,đ 1 ‘ä,Û,½,í□““äqY’è,μ,Ä,“, -  
,Æ□A,»,) DHCP fT□[fo□[,É,æ,Á,Ä□AfNf%oFCfAf“fg,É’ñ<Y,³,è,é TCP/IP □\□—□î•ñ,ª•ÛŽç,³,è,Û,·□BDHCP  
fT□[fo□[,]ff□[f^fX□[fX,É,í□AZÿ,]□î•ñ,ªŠÛ,Û,è,Û,·□B

- fCf“f^□[f]fbfgf□□[fN□ä,],·,×,Ä,]fNf%oFCfAf“fg,đ’í□Û,Æ,·,é—LCEø,È□\□—fpf%ofo□□[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□[,É,æ,Á,Ä’ñ<Y,³,è,é,éŠ□[fX,iŠúŠÖ□BfŠ□[fX,í□AŠ,,,è“-,Ä,ç,è,½ IP fAfhfCEfX,đŽg—  
p,Ä,«,éŠúŠÖ,đ’è<`,μ,Û,·□B

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

□[f^,í□A<N“@CEä,É DHCP fT□[fo□[,Æ’É□M,μ□A•K—v,È TCP/IP ,]□\□—□î•ñ,đŽó, Žæ,è,Û,·□B,±,]□\  
□—□î•ñ,É,í□A□,È,,Æ,à IP fAfhfCEfX,ÆfTfuf]fbfg f}fXfN,ì,Û,©,É□A□\  
□—,ÉŠÖ~A•t,·,ç,è,½fŠ□[fX,ªŠÛ,Û,è,Ä,ç,Û,·□B

f]fbfgf□□[fN,É DHCP fT□[fo□[,đ□\□—,·,é,Æ□AZÿ,ì,æ,x,È—~“\_ ,ª“¾,ç,è,Û,·□B

- f]fbfgf□□[fNŠÇ—□ŽÖ,í□AfCf“f^□[f]fbfgf□□[fN’S’i,É’í,μ□AfOf□□[fof<,È TCP/IP fpf  
%ofo□□[f^,ÆfTfuf]fbfgCEÄ—L,ì TCP/IP fpf%ofo□□[f^,đ□W’t“l,ÉŽw’è,Ä,«,Û,·□B
- fNf%oFCfAf“fg fRf“fsf...□[f^,í□ATCP/IP ,đŽè“@,Ä□\□—,·,é•K—v,ª, ,è,Û,¹,ñ□B
- fNf%oFCfAf“fg fRf“fsf...□[f^,ªfTfuf]fbfgŠÖ,đ^U“@,μ,½□è□#□ACEÁ,ç IP fAfhfCEfX,í%ø•ú,³,è,Ä□ÄŽg  
—p,Ä,«,é,æ,x,É,È,è□A^U“@,³,è,½fNf%oFCfAf“fg fRf“fsf...□[f^,í<N“@Žž,ÉŽ©“@“l,É TCP/IP ,ì,½,ß,É□Ä□\  
□—,³,è,Û,·□B
- ,Û,Æ,ñ,ç,]f<□[f^□[,ª DHCP □\□—v<□,đ“l’—,Ä,«,é,½,ß□AfCf“f^□[f]fbfgf□□[fN,]fTfuf]fbfg,²,Æ,É  
DHCP fT□[fo□[,đ“z’u,·,é•K—v,ª, ,è,Û,¹,ñ□B

## 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,ð[]‘,«Š·,ì,È, ¯,ê,î,È,è,Û,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,ªfNf%ofCfAf“fg,ÉŠ,,è“-,Ä,é[f^,Å,·[B

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

ŠÇ—ŽÒ,í[A[DHCP fífVfVf#f#“] f[fj...[.lRf}f“fh,đ'l,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,«,éft[]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] fCf“fg,μ[]A[DHCP f}f[]fWff] ,đNfŠfbfN,μ,Ü,·[]B

‘O%ñ[]Ú‘±,μ,½fT[]fo[][,ÆfXfR[]fv,ÉŽ©“®“l,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 fAhfÆfX,đ“ü—í,μ[]A[OK] ,đNfŠfbfN,μ,Ü,·[]B

**‘l‘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 fv□f"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,đ•\Ž!,•,é**

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

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

'[

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

▪ [fvf[fpfefB] f\_fCfAf[fo f{fbfNfX,É,ÍADHCP fT[fO[L,ÍŠ^"®,lf[fo,ì<L~^A<£[±,ª"¶!,•,é%oÂ"\  
[«,ì, ,éfAfhfCEfX,ÍCEŸ[o[ABOOTP fe[fuf<"à,ì\[-î•ñ,È,Ç,ªŠÜ,Ü,ê,Ü,·[BSù'è,ìŸ'è,Å,Í[A,±,ê,ç,íf[fvfVf#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[ fvfpfefB] - [‘S”Ê]**

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

€-Ú

[DHCP fO]

[<£,ìCEŸo]

**[DHCP fofO]**

DHCP fT[fo[ ,iš^“@ ,)fO,đfefLjXfg ftj@fCf< (.log) ,ÉŽûW, ,é,É,íA,±,lf`fFbfN  
f{fbfNfX,đfj“,É,μ,Û,·B,±,)ftj@fCf<,íADHCP fT[fo[ ,ìáŠQ,É‘í^ ,éÛ,É-đ-š,Â%oÂ“\«,ª, ,è,Û,·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'S^á,ª, ,è,Û,·BBOOTP fNf%ofCfAf"fg,ÍABOOTP ÇđŠ·,É,æ,è—^ ,!,ç,è,½ IP fAfhfCfX,Í-³ŠúCÈÀ,ìŽö-  
½,đŽg,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—,Å,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,đŽQ□Æ,μ,Ä,,¾,³,ç□B

fzfXfg,ª "Á'è,ìtf@fCf<-¼, ,é,ç,ìtf@fCf< fT□fo□[,đ BOOTP —v<□,Å•Ô,³,è,é•K—v,ª, ,é□è□‡,ÍASÇ—  
□ŽÖ,ÍA[DHCP flfvfVf‡f" ] f□fj...□[,ì□□-fpf%of□□f^ ,đŽg,Á,ÄADHCP flfvfVf‡f" 066 , ,æ,Ñ 067 (fuo□fg  
fT□fo□[ fzfXfg-¼] ,Æ [fu□fgftf@fCf<-¼]) ,đ□Ý'è,Å,«,Û,·B

**ftfB□[f<fh**

[ 'Ç%Á

[□í□œ]

[•Ò□W]

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, ð[iœ, ·, 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%Á]

,±,ìf\_fCfAf□fO f{fbfNfX,í□ABOOTP fNf%ofCfAf“fg,<sup>a</sup>•K—v,Æ,·,éŽŸ,ì□î•ñ,đ BOOTP fe□[fuf<,É’Ç  
%Á,·,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,đŽ~•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—ZÒ,ªS,,,è“-,Ä,éfXfR[fv-¼[]B
- “@“ìfAfhfCfX,Æ<æ,É DHCP fNf%ofCfAf“fg,ÉS,,,è“-,Ä,ç,è,éfŠ[]fXŠúŠÒ,ì'[]B

ŠÖ~A[]€-Ú

fXfR[fv,ð[]-·,é

fXfR[fv,ìvf[]pfefB,ð·ì[]X,·,é

fXfR[fv,ð[]í[]œ,·,é

fX[]fp[]fXfR[fv,ð[]-·, ,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—,ÄAvf]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,í'í,í•iX,ìÚ×,É,Ä,č,Ä,íA□ufXfR[fv,đ□□¬,•,é□v,đŽQ□Æ,µ,Ä,,¾,³,čB

ŠÖ~A□€-Ú

fNf%œfCfAf"fg fŠ[fX,đŠC—□,•,é

**fXfR[fv,đíœ,-,é**

fTfu|fbfg,İŽg—p,đ,â,ß,é,Æ,«,È,ÇASù'¶,İfXfR[fv,ªs—v,É,È,Á,½,Æ,«,ÍADHCP  
f}f|fWff,đŽg,Á,ÄfXfR[fv,đíœ,Á,«,Ü,·BfXfR[fv"à,İ IP fAfhfCEfX,ªfŠ[fX,Ü,½,İŽg—p,ª,é,Ä,ç  
,é,é,í,ÍA,·,x,Ä,İfNf%ofCfAf"fg fŠ[fX,İ—LCEøŠúCEÀ,ªØ,é,é,©A,·,x,Ä,İfNf%ofCfAf"fg fŠ[fX,İ%,,·—  
v<ª,ª"Ü,ª,é,é,Ü,ÄAfXfR[fv,đ"ñfAfNfefBfu%»ª,Ä,ª,•K—v,ª, ,è,Ü,·B

fXfR[fv,ª"ñfAfNfefBfu%»ª,ª,é,é,ÆA,ª,İfXfR[fv,İfŠ[fX—v<Ü,½,Í,«Š·,İ—v<É'Í,·,éŠm"F  
%»ž"š,đs,í,È,,È,è,Ü,·B,µ,½,ª,Á,ÄASù'¶,İfNf%ofCfAf"fg,Í,«Š·,İŽž,ÉfŠ[fX,đŽ,·çA—~p%»Ä"\  
,È,Ü,©,İ DHCP fT[fó[.ÄÄ\—,·,é,±,Æ,É,È,è,Ü,·B,·,x,Ä,İfNf  
%ofCfAf"fg,ªV,µ,çfXfR[fv,ÉfXf€[fY,É^Ús,Á,«,é,æ,ª,É,·,é,É,ÍA,È,-  
,Æ,àfŠ[fXŠúŠÖ,İ"¼ªA,Ü,½,Í,·,x,Ä,İfNf  
%ofCfAf"fg,ª,Ü,©,İfXfR[fv,Éžè"®,Á^Ú"®ª,ª,é,é,Ü,Ä,İŠÖAíœ,·,éfXfR[fv,đ"ñfAfNfefBfu  
%»ª,µ,Ä,ª,«,Ü,·BfNf%ofCfAf"fg,đ,Ü,©,İfXfR[fv,Éžè"®,Á^Ú"®,·,é,É,ÍAfNf%ofCfAf"fg fRf"fsf...  
[f^,İfRf}f"fh fvf"fvfg,Á **ipconfig /renew** ,Æ"ü—Í,µAZŽ,ÉA•K—v,É%»ž,¶,ÄfRf"fsf...  
[f^,đÄ<N"®,µ,Ü,·B

**fXfR[fv,đíœ,-,é,É,Í**

- 1 [DHCP f}f|fWff] fEfBf"fhfE,İ [DHCP fT[fó[ ] ^è—,ÄAíœ,·,éfXfR[fv,đ'İđ,µ,Ü,·B  
fXfR[fv,ªŽg,í,é,Ä,ç,È,ç,±,Æ,ªŠm"F,Á,«,é,Ü,ÄAfXfR[fv,đ"ñfAfNfefBfu%»ª,Ä,ª,«,Ü,·B
- 2 [fXfR[fv] fçfj...[,İ ["ñfAfNfefBfu%»] ,đfNfŠfbfN,µ,Ü,·B  
fXfR[fv,ª"ñfAfNfefBfu,É,È,é,ÆAfRf}f"fh-¼,Í [fAfNfefBfu%»] ,É·İ,í,è,Ü,·B
- 3 [fXfR[fv] fçfj...[,İ [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 ð, à Af fbf g f [fN " Ó ð t, ð • t, ' ¼, · ð ê ð, 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 flfvVf#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 flfvVf#f",Æ,μ,Ä'è<` ,μ,Ü,·B,½,¾,μA^è"Ê,ÉŽw'è,·,é•K—v,ª, ,é,Ü,Æ,ñ,Ç,lflfvVf#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,«,íAflfvVf#f" f^fCfv,ðŠ,,è"-,Ä,é,±,Æ,É,æ,Á,ÄA,·,·,×,Ä,ì\[-f]pf %of[f]^,ð§Eä,Ä,«,Ü,·BflfvVf#f" f^fCfv,íA'è<` A•ÒW[A,Ü,½,íí[œ,Ä,«,Ü,·B

ŠÖ~A[€-Ú

DHCP \[-flfvVf#f",ðŠ,,è"-,Ä,é

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

V,μ,çflfvVf#f" f^fCfv,ð'C%oÄ,·,é

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

IP fAfhfCFX[ ]•ñ,É%Á,İ,ÄADHCP fNf%ofCfAf"fg,É"n,.,»),İ,©,İ DHCP fifvfVfjf" ,àAfXfR[ ]fv,²,Æ,É[ ]  
[ ]-,µ,È, ,é,İ,È,è,Ü,¹,ñ[ ]B

fifvfVfjf" ,İ[ ]A,.,x,Ä,İfXfR[ ]fv,É'İ,µ,ÄfOf[ ][fof<,É'è< ,.,é,±,Æ,à[ ]A'İ'đ,µ,½fXfR[ ]fv,Ü,½,ÍCEÄ•É,İ DHCP fNf  
%ofCfAf"fg,É'İ,µ,Ä'è< ,.,é,±,Æ,à,Ä,«,Ü,·[ ]B

- fAfNfefBfu,ÉfOf[ ][fof< fifvfVfjf" f^fCfv,İ[ ]AfXfR[ ]fv,Ü,½,İ DHCP fNf  
%ofCfAf"fg,É'İ,.,é[ ]Y'è,Ä[ ]ä[ ]',«,³,È,çCEÄ,è[ ]A[ ]í,É"K-p,³,è,Ü,·[ ]B

- fXfR[ ]fv,É'İ,µ,ÄfAfNfefBfu,ÉfifvfVfjf" f^fCfv,İ[ ]ACEÄ•É,İ DHCP fNf

%ofCfAf"fg,É'İ,.,é[ ]Y'è,Ä[ ]ä[ ]',«,³,È,çCEÄ,è[ ]A,»,İfXfR[ ]fv"à,İ,.,x,Ä,İfRf"fsf...[ ]f^,É"K-p,³,è,Ü,·[ ]B

Microsoft DHCP fifbfjgf[ ][fN fpfPfbfg,Ä,İADHCP fifvfVfjf" ,İ,½,ß,É 312 fofCfg,²Š,,è"- ,Ä,ç,è,Ä,ç,Ü,·[ ]B,±  
,è,İ[ ]A'ä•"•²,İfifvfVfjf" [ ][ ]-,É,Æ,Ä,Ä[ ]\•²,É'ä,«,³,Ä,·[ ]BDHCP fT[ ]fo[ ][ ],â DHCP fNf

%ofCfAf"fg,É,æ,Ä,Ä,İADHCP fpfPfbfg,İŽg,İ,è,Ä,ç,È,ç-İ^æ,É,³,ç,ÉfifvfVfjf" ,đŠ,,è"- ,Ä,é,±

,Æ,²,Ä,«,Ü,·[ ]BfifvfVfjf" fİ[ ]fo[ ][ ]fCEfC,ÆCEÄ,İ,è,é,±,İ<@" \,İ[ ]AMicrosoft DHCP fT[ ]fo[ ][ ],Ä,İfTf[ ][ ]fg,³,è,Ä,ç  
,Ü,¹,ñ[ ]B312 fofCfg,æ,è'ä,«,ç-İ^æ,đŽg,æ,Æ[ ]AfifvfVfjf" [ ]Y'è,İ'è•",²Ž,.,İ,è,Ü,·[ ]B,±,İ,æ,æ,É[ ]è[ ][ ],İ[ ]AZg-  
p,µ,È,çfifvfVfjf" ,à[ ]d-v,Ä,İ,È,çfifvfVfjf" ,đ[ ][ ]œ,µ,Ä,,³/4,³,ç[ ]B

fT[ ][ ]fh fp[ ][ ]fB[ ][ ]»),İ DHCP fT[ ]fo[ ][ ],đŽg,Ä,Ä,ç,é[ ]è[ ][ ],İ[ ]AMicrosoft DHCP fNf%ofCfAf"fg,²fifvfVfjf"

fİ[ ]fo[ ][ ]fCEfC,đTf[ ][ ][ ]fg,µ,Ä,ç,È,ç,±,Æ,É' [ ]^Ó,µ,Ä,,³/4,³,ç[ ]BfifvfVfjf" fZfbfg,² 312

fofCfg,đ' ,.,é[ ]è[ ][ ],İ[ ]AMicrosoft DHCP fNf%ofCfAf"fg,²Žg,æ[ ]Y'è,²[ ]AfifvfVfjf" ,İ'è- ,İ[ ]Ä[ ]%o

,ÉŠÜ,Ü,è,Ä,ç,é,±,Æ,đŠm" F,µ,Ä,,³/4,³,ç[ ]BMicrosoft DHCP fNf%ofCfAf"fg,İ[ ]A[ ]Ä[ ]%o,İ 312

fofCfg,đ' ,.,é[ ]Y'è,İ'Ç,ÝZæ,è,Ü,¹,ñ[ ]B

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

1 [DHCP f}fİ[ ]fWff] fEfBf"fhfE,İ [DHCP fT[ ]fo[ ][ ] ^è- ,Ä[ ]A[ ][ ]-,.,éXfR[ ]fv,đ'İ'đ,µ,Ü,·[ ]B

2 CE»[ ]Y'İ'đ,µ,Ä,ç,éTf[ ]fo[ ][ ]ä,İ,.,x,Ä,İfXfR[ ]fv,É'İ,µ,ÄfifvfVfjf" [ ]Y'è,đ'è< ,.,é[ ]è[ ][ ],İ[ ]ADHCP fifvfVfjf" ]  
fİfj...[ ][ ],İ [fOf[ ][ ]fof< ],đfNfŠfbfN,µ,Ü,·[ ]B[DHCP f}fİ[ ]fWff] fEfBf"fhfE,ÄCE»[ ]Y'İ'đ,µ,Ä,ç  
,éXfR[ ]fv,É'İ,µ,ÄfifvfVfjf" [ ]Y'è,đ'è< ,.,é[ ]è[ ][ ],İ[ ]ADHCP fifvfVfjf" ] fİfj...[ ][ ],İ [fXfR[ ]fv]  
,đfNfŠfbfN,µ,Ü,·[ ]B

3 [Žg-p,µ,È,çfifvfVfjf" ] ^è- ,Ä[ ]A"K-p,.,é DHCP fifvfVfjf" ,İ-¼'O,đ'İ'đ,µ,Ü,·[ ]BŽY,É[ ]A[ ]'Ç%oÄ]  
,đfNfŠfbfN,µ[ ]A'İ'đ,µ,½fifvfVfjf" -¼,đ [Žg-p,.,éfifvfVfjf" ] ^è- ,É'U" @,µ,Ü,·[ ]B

^è- ,É,İ[ ]A'è< [ ][ ],YfifvfVfjf" ,Æ"ÆŽ©,É[ ][ ]-,µ,½fifXf^fE fifvfVfjf" ,İ-¼•ü,²•  
Ž,³,è,Ü,·[ ]B,½,Æ,İ,İ[ ]AfRf"fsf...[ ]f^,É DNS fT[ ]fo[ ][ ],đŽw'è,.,é[ ]è[ ][ ],İ[ ]A[Žg-p,µ,È,çfifvfVfjf" ] ^è- ,İ  
[006 DNS fT[ ]fo[ ][ ],đfNfŠfbfN,µ[ ]AZY,É [ 'Ç%oÄ ],đfNfŠfbfN,µ,Ü,·[ ]B

,±,İfNf%ofX,É'İ,µ,ÄŠ,,è"- ,Ä,ç,è,Ä,ç,é DHCP fifvfVfjf" ,đ[ ][ ]œ,.,é[ ]è[ ][ ],İ[ ]A[Žg-p,.,éfifvfVfjf" ]  
f{fbfNfX,Ä[ ]A[ ][ ]œ,.,éfifvfVfjf" ,İ-¼'O,đfNfŠfbfN,µ[ ]AZY,É [ [ ][ ]œ ],đfNfŠfbfN,µ,Ü,·[ ]B

4 fAfNfefBfu,ÉfifvfVfjf" ,İ'İ,đ'è< ,.,é,É,İ[ ]A[Žg-p,.,éfifvfVfjf" ] f{fbfNfX,Ä[ ]A'İ'đ,è< ,.,éfifvfVfjf" ,İ-  
¼'O,đfNfŠfbfN,µ[ ]A[ ]'İ ],đfNfŠfbfN,µ,Ü,·[ ]B•Ö[ ]W,.,é"à-e, ,æ,Ñ•ù-@,İ[ ]AfifvfVfjf" ,İf[ ]f^CE^,É  
%ož,İ,ÄŽY,İ,æ,æ,É^Ü,È,è,Ü,·[ ]B

- IP fAfhfCFX,İ[ ]è[ ][ ],İ[ ]A'İ'đ,µ,½fifvfVfjf" ,ÉŠ,,è"- ,Ä,éfAfhfCFX,đ"ü-İ,µ,Ü,·[ ]B
- [ ]"İ,İ[ ]è[ ][ ],İ[ ]A"K[ ]Ø,É 10 [ ]'İ,Ü,½,İ 16 [ ]'İ,đ"ü-İ,µ,Ü,·[ ]B
- •[ ]Žš-ñ,İ[ ]è[ ][ ],İ[ ]A•[ ]Žš,Ü,½,İ[ ]"Žš,©,ç,È,é"K[ ]Ø,É ASCII •[ ]Žš-ñ,đ"ü-İ,µ,Ü,·[ ]B

,½,Æ,İ,İADHCP fNf%ofCfAf"fg,²Žg,æ DNS fİ[ ]fE fT[ ]fo[ ][ ],đŽw'è,.,é,É,İ[ ]A[Žg-p,.,éfifvfVfjf" ] ^è- ,İ  
[006 DNS fT[ ]fo[ ][ ],đfNfŠfbfN,µ[ ]AZY,É[ ]A[ ]"z-ñ,İ•Ö[ ]W ],đfNfŠfbfN,µ,Ä DNS fT[ ]fo[ ][ ],İ IP

fAfhfCFX,İ'è- ,đ"ü-İ,µ,Ü,·[ ]B^è- ,İ[ ]æ"²,İfT[ ]fo[ ][ ],©,ç[ ][ ],ÉŽQ[ ]Æ,³,è,é,½,ß[ ]A-D[ ]æ"x,İ[ ],ç  
,à,İ,©,ç[ ][ ],É DNS fT[ ]fo[ ][ ],İfAfhfCFX,đ"ü-İ,µ,Ü,·[ ]B



**fifvfVf#f" ,l' ,d•iX , ,é**

'è< \i, Y DHCP fifvfVf#f" f^fCfv, , æ, Ñ"ÆŽ©, É□□- , μ, ½ffXf^f€ DHCP fifvfVf#f" f^fCfv, l' ,l' ,i•iX, Å, «, Ü, •□B  
IP fAfhfCEfX, l"z—ñ, dŽg, x fifvfVf#f" , í□A0.0.0.0 , aŠù'è'l, Å, •□B, ±, ì, æ, x  
, È fifvfVf#f" , dŽg, x □é□#, í□AŠù'è'l, d□Ā□Ý'è, μ, Å, , ¾, ¾, □□B, Ü, ½, í□AŠY" - , , é fifvfVf#f" , dfof□□[fof<, ÉŠ,,, è"-  
, Å, é, Æ, «, â'l' d, μ, ½fXfR□[fv, ÉŠ,,, è"- , Å, é, Æ, «, É□A•K, , •É, l' ,l' ,d□Ý'è, μ, Å, , ¾, ¾, □□B□Ú□x, É, Å, □, Å, í□A□uDHCP  
□□-fifvfVf#f" , dŠ,,, è"- , Å, é□v, dŽQ□Æ, μ, Å, , ¾, ¾, □□B

**fifvfVf#f" f^fCfv, l' ,l' ,d•iX , ,é, É, í**

- 1 [DHCP fifvfVf#f" ] f□ffj...□[.l [Šù'è'l] , d fNfŠfbfN, μ, Ü, •□B
- 2 [fifvfVf#f" fNf%ofX] ^è—, Å□A'l, d•iX, , , é fifvfVf#f" fNf%ofX, d fNfŠfbfN, μ, Ü, •□B
- 3 fifvfVf#f" , lŠù'è'l, d•iX, , , é□é□#, í□A[fifvfVf#f" -¼] ^è—, Å•iX, , , é fifvfVf#f" , d fNfŠfbfN, μ□A[l' ]  
f{fbfNfX, Å□V, μ, □'l, d□Ý'è, μ, Ü, •□B  
fifvfVf#f" , lŽí—p, É%ž, ¶, Å•\Ž!, ¾, é, é [•Ö□W] , d fNfŠfbfN, , , é, Æ□A•¶Žš—ñ□AIP fAfhfCEfX, l"z—  
ñ□A, Ü, ½, ífofCfifŠ'l, d•Ö□W, , , é, ½, B, l"Á•É, Èf\_fCfA□fO f{fbfNfX, a•\Ž!, ¾, é, Ü, •□B
- 4 ffXf^f€ fifvfVf#f" , lŠî—{ "l, È—v'f, d•iX, , , é□é□#, í□A[fifvfVf#f" -¼] ^è—, ÅffXf^f€  
fifvfVf#f" , d fNfŠfbfN, μ□AZŽ, É [•iX] , d fNfŠfbfN, μ, Ü, •□B  
fifvfVf#f" f^fCfv, l-¼' O□Aff□[f^CE^□AID□A, , , æ, ÑfR□f"fg, l' ,l' ,i•iX, Å, «, Ü, •□B•iX, lŽè□#, É, Å, □  
, Å, í□A□u□V, μ, □ fifvfVf#f" f^fCfv, d' C%ž, : , é□v, dŽQ□Æ, μ, Å, , ¾, ¾, □□B

**□V,μ,ϕfifvVf#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  
fifvVf#f“ f^fCfv,ì'l,â,Ù,©,ì-v'f,δ•ì□X,·,é,±,Æ,à,Á,«,Ü,·□B

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

- 1 [DHCP fifvVf#f“] f□ffj...□[.ì [Šù'è'l] ,δfNfŠfbfN,μ,Ü,·□B
- 2 [fifvVf#f“ fNf%ofX] ^è—,Á□A□V,μ,ϕfifvVf#f“ f^fCfv,δ'Ç%Á,·,é,fNf%ofX,δfNfŠfbfN,μ□AZÿ,É [□V<K] ,δfNfŠfbfN,μ,Ü,·□B  
fifvVf#f“ fNf%ofX,É,Í□ADHCP,ì•W□€fifvVf#f“ ,Ü,½,í“ÆŽ©,É'Ç%Á,μ,½“C^Ó,ìffjXf^f€  
fifvVf#f“ ,δŠÜ,ß,é,±,Æ,ª,Á,«,Ü,·□B
- 3 [-¼'Ó] f{fbfNfX,É□A□V,μ,ϕfifvVf#f“ -¼,δ“ü—í,μ,Ü,·□B
- 4 [ff□[f^CE^] ^è—,Á□AfffifvVf#f“ ,ìff□[f^CE^ ,δfNfŠfbfN,μ,Ü,·□B,» ,è,¼,è,ìff□[f^CE^ ,É,Á,ç,Ä,Í□AZÿ,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  
[ffjvZf<%»] ,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,±,ìfifvVf#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,ÉfifvVf#f“ f^fCfv,ÉŠÖ,·,é□à-¾,δ“ü—í,μ□AZÿ,É [OK] ,δfNfŠfbfN,μ,Ü,·□B
- 8 [DHCP fifvVf#f“□F Šù'è'l] f\_CfAf□fO f{fbfNfX,ì [ 'l] f{fbfNfX,Á□AfffifvVf#f“ f^fCfv,ìŠù'è'l,δ“ü—  
í,μ,Ü,·□B

**fifvVf#f“ f^fCfv,δ□í□œ,·,é,É,Í**

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

**—\-ñ—p,ìfìfvfVf†f“,đ'è<` ,.é**

—\-ñ IP fAfhfCEfX,đŽg,α DHCP fNf%oCfAf“fg,É'í,μ,Ä,ÍADHCP fìfvfVf†f“,đŠ,,è-  
,ÄA fJfXf^fε'ì,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] ^è—,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—\-ñfAfhfCEfX,ì□é□‡,¾, -,Ä,·B“@“IfAfhfCEfX,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“] ^è—,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“] ^è—  
,É^Ú“@,μ,Ü,·B  
—\-ñfAfhfCEfX,ÉŠ,,è“-.,Ä,ç,è,Ä,ç,éfìfvfVf†f“ f^fCfv,đ□□œ,.,é□é□‡,Í□A[Žg—p,.,éfìfvfVf†f“] ^è—  
,Ä□A□□œ,.,éfìfvfVf†f“,ì-¼'O,đfNfŠfbfN,μ□AZŸ,É [□□œ] ,đfNfŠfbfN,μ,Ü,·B
- 4 [Žg—p,.,éfìfvfVf†f“] ^è—,Ä'ì'đ,μ,½fìfvfVf†f“,ì'ì,đ•ï□X,.,é,É,Í□A[‘ì] ,đfNfŠfbfN,μ□AZŸ,É□ACE»□Ÿ,ì'ì,²·\  
Žì,³,è,Ä,ç,éf{fbfNfX,É□V,μ,ç'ì,đ“ü—í,μ,Ü,·B

—\-ñ

“Á’è,ì DHCP fNf%ofCfAf“fg,ì,½,ß,É—\-ñ,<sup>3</sup>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,<sup>2</sup>□ì□¬,<sup>3</sup>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,ðŽQÆ,μ,Ä,,<sup>3</sup>/<sub>4</sub>,<sup>3</sup>,çB,±,è,ç,ìfifvfVf#f“,ÍARFC 1533 ,É'è<`<sup>3</sup>,è,Ä,ç,Û,·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 , Å (\*\*), •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 ftfgfEfFfA, ÅfTj[f, ³, è, é“C^Ó, ìfjfvfVf#f“, ð, Ý, è, Å, «, Ü, ., B

à-¾•¶, ÉfAfXf^fŠfXfN, ² 1 , Å (\*) •t, ç, Ä, ç, éfjfvfVf#f“, Å, 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[ ]-] f\_fCfAf]fO f{fbfNfX, Ü, ½, í [fXfR[fv, ìfvf]fpfefB] f\_fCfAf]fO f{fbfNfX, Å'è<, µ, Ü, ., B'¼ÚA[DHCP fjfvfVf#f“] f\_fCfAf]fO f{fbfNfX, Å, Ý, è, ., é, ±, Æ, í, Å, «, Ü, ¹, ñB

**2 = f^fCf€ flftfZfbfg**

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

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

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

**4 = f^fCf€ fT[fó[]**

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

**5 = f[]f€ fT[fó[]**

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

**6 = DNS fT[fó[] (\*\*)**

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

**7 = f]fO fT[fó[]**

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

**8 = fNfbfL[] fT[fó[]**

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

**9 = LPR fT[fó[]**

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

**10 = fCf“fvfCefX fT[fó[]**

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

**11 = fŠf[]fX f]fP[]fVf#f“ fT[fó[]**

fNf%ofCfAf“fg, ²—~—p, Å, «, 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, Å, ÅŽw'è, µ, Ü, ., BfzfXfg-

¼,í•ŕŽš,ÅŽn,Ü,è□A•ŕŽš,Ü,½,í□Žš,Å□I,í,è,Ü,·□B,»„ìŠŌ,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,ìŠù’è,Ífu□lfg fCf□□[fW ftf@fCf<,ÍTfCfY,ð 512 fÍfNfefbfg 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<,ì 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,ìŽQ□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,<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,lfjfvfVfj“,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,đs,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... fG“fgfŠ,lf^fCf€fAfEfg,đ•b’P^Ê,ÁŽw’è,μ,Û,·B

**36 = Ethernet fjfvfZf<%o»**

fCf“f^[]ftfFfCfX,<sup>3</sup> Ethernet ,lê±,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 = ffftfHf<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,·BfjNfefbfg,ìÅ[]-‘,í 1 ,Â,·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[]“,ĂŽw’è,μ,Û,·B0 ,ðŽw’è,·,é,Æ[]A’Á,ÉfAfvfŠfP[]fVf†f“,©,ç,ì— v<[],<sup>3</sup>,È,çCEÀ,è[]AfNf%ofCfAf“fg,íL[]fvfAf%ofCfu f[]fbfZ[]fW,ð[]Ú’±[]ă,É’—[]M,μ,Û,<sup>1</sup>,ň[]B

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

fNf%ofCfAf“fg,<sup>3</sup>A^È’O,ìfo[]fWf†f“,ìŽÀ’•,Æ,ìCEÝŠ·[]«,ð•Û,Â,½,ß,É[]ATCP fL[]fvfAf%ofCfu f[]fbfZ[]fW,ÉfKfx[]fW ff[]f^ flfNfefbfg,ð•t, -,Ă’—[]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>,ň[]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\*



,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,Â,«,Ü,·□B

DHCP f}f□[fWff,đŽg,ª,Æ□ACEÂ•Ê,ìfNf%oCfAf“fg fŠ□[fX,đŞÇ—□,Â,«,Ü,·□BfNf%oCfAf“fg,ì—\—ñ,ì'Ç  
%oÁ,âŞÇ—□,È,Ç,à,Â,«,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,É,è,Ü,¹,ñ□BDHCP f}fİ□[fWff,đŽg,æ,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,ÉŠÖ,·,é□İ•ñ,¾, ,Ä,É,□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,ŃCE»□Ý—~—p%oÁ“\ ,ÉfAfhfCEfX,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□Ú‘±,µ,Ä,ç,È,© ,Á,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□□ ,ÉŠÜ,ß,ç,è□A“ Žž,ÉfAfNfefBfu,ÉfNf%ofCfAf“fg,İ^è— — ,É,àŠÜ,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□oŠú %o»□ó‘O,É‘Ú□s,µ□ADHCP fT□[fo□[.©,ç□V,µ,ç TCP/IP ,İ□ □—□İ•ñ,đŽæ“¾,µ,È, ,è,İ,É,è,Ü,¹,ñ□B,½,¾,µ□A,» ,İfNf%ofCfAf“fg,ª□Ä,Ń“ ,□ 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,æ,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,ÉŠ,,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□AZŽ,É [fvf□pfefB] ,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□pfefB] 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,Ü,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,¢,Ä,í□A□u—\—ñ—p,ìfìfvfVf‡f“,đ'è<`.,:é□v,đŽQ□Æ,μ,Å,,¾,³,¢□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□AŽÿ,É [□í□œ] ,đfNfŠfbfN,μ,Ü,·□B
- 2 ,» ,ì IP fAfhfCEfX,đ—\—ñ,·,é,©□A,Ü,½,í“í^í,©,ç□œŠO,μ,Ü,·□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%đ•ú,μ,Ü,·□B
- 4 •K—v,É%ž,¶,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,¢ IP fAfhfCEfX,đ—^,!,Ü,·□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,É,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,É,é fAfhfCEfX,đ—\—ñ,·,é□é□±,ì□ADHCP fT□[fo□[ ,ª,»,ìfAfhfCEfX,ìfŠ□[fX,đ□s,Á,Ä,ç,É,è,  
©,Ç,κ,©,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,É,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  
 ,Á,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] fñfj...[l,ì [fAfNfefBfu fŠ[fX] ,ðfNfŠfbfN,μ,Û,·B

2 [fNf%ofCfAf“fg] ^è—,ÄA•ïX,·,é—\-ñï,ÝfNf%ofCfAf“fg,ðfNfŠfbfN,μAZÿ,É [fvfñpfefB] ,ðfNfŠfbfN,μ,Û,·B

3 [fNf%ofCfAf“fg,ìfvfñpfefB] f\_fCfAfñfO f{fbfNfX,ÄA[^è^Ó,ì ID]A[fNf%ofCfAf“fg-¼]A,Û,½,Í [fNf %ofCfAf“fg fRfñf“fg] f{fbfNfX,ì“à—e,ð•ïX,μAZÿ,É [OK] ,ðfNfŠfbfN,μ,Û,·B [fNf %ofCfAf“fg,ìfvfñpfefB] f\_fCfAfñfO f{fbfNfX,Ä'ì,ð•ïX,Ä,«,é,ì,ìA—\-ñï,ÝfNf %ofCfAf“fg,ìéñ‡,¾,¯,Ä,·B

'

■ —\-ñï,ÝfNf%ofCfAf“fg,ìññ-fpf%ofññ[f^,ð'è<` ,:é DHCP flfvfVfñf“ f^fCfv,ð•\ Ž,μ,½,èA•ïX,μ,½,è,·,é,±,Æ,à,Ä,«,Û,·B Û×,É,Â,ç,Ä,ÍAu—\-ñ—p,ìfvfVfñf“,ð'è<` ,:éñv,ðŽQÆ,μ,Ä,-¾,¾,¾,çB

**[íœ]**

'I'ð,µ,½ DHCP fT[fœ[,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^ê—,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, ð] -] ,Æ [fXfR[fv, ð] fpfefB]**

[fXfR[fv, ð] -] f\_CfAfO f{fbfNfX, íAftfufbfg, ðV<KfXfR[fv, ð] - , ,é,Æ,«,ÉŽg,č,Ü,·B,±  
,f\_CfAfO f{fbfNfX, íA[fXfR[fv] fpfefB] ,ðNfŠfbfN,μ,½,Æ,«,É•Ž,³,é,Ü,·B

[fXfR[fv, ð] fpfefB] f\_CfAfO f{fbfNfX, íA[fXfR[fv, ð] fpfefB] fV[f<, ð•X, ,é,Æ,«,ÉŽg,č,Ü,·B,±  
,f\_CfAfO f{fbfNfX, íA[fXfR[fv] fpfefB] ,ðNfŠfbfN,μ,½,Æ,«,É•Ž,³,é,Ü,·B

**€-Ú**

[P fAfhfEfX fv[f<, ð] [Š]ŽnfAfhfEfX] ,Æ [—¹fAfhfEfX]

[Tfufbfg f}XfN]

[œŠO"íí] ,ð] [Š]ŽnfAfhfEfX] ,Æ [—¹fAfhfEfX]

[œŠO, .éAfhfEfX]

[Š[fXŠúŠÖ] ,ð] [-³ŠúÈÀ] ,Æ [ŠúŠÖ]

[-¼'O]

[Rf"fg]

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

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

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

, ìšef {fbfNfX, ÅAfš [fX, º'¶±, ·, é"ú"AZžšô" A, ", æ, Ñ•º", ðžw'è, μ, Û, ·B

**[fTfufifbfg ID]**

,±,ìfXfR[]fv,ÉŠÖ~A•t,¯,ç,ê,½fTfufifbfg,đŽ~•Ê,·,é,É,í[]A[fTfufifbfg ID]  
f{fbfNfX,É[]AŠÖ~A,·,éfTfufifbfg,ì[]Å[]%,ì IP fAfhfCEfX,đ"ü—í,μ,Û,·[]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  
fv%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 [ŀ—¹fAfhfĀfX]**

- IP fAfhfĀfX fv[f<"íí"à,ìœŠOfAfhfĀfX,đ'è< , ,é,É,íA[œŠO"íí] fRf"fgf[f<,đŽg,ċ,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 [ŀ—¹fAfhfĀfX] f{fbfNfX,É"ü—í,μ,Ü,·BŽY,ÉA[Ċ%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[ŀ—¹fAfhfĀfX] f{fbfNfX,íA<ó,ì,Ü,Ü,É,μ,Ä, ",«,Ü,·B
- ,Ü,©,ì DHCP fT[fœ[ŀA"ň DHCP fNf%ofĀf"fgAfffBfXfNfĀfX f[fNfXfe[fVf#ŀA,Ü,½,í RAS fNf %ofĀf"fg,È,Ĉ,ÉŽè"® ,ÅŠ,,è"-,Ä,½ IP fAfhfĀfX,íA,·,x,ÄœŠO"íí,Æ,μ,Ä'è< ,μ,Ä, ",•K—v,ª, ,è,Ü,·B,± ,ê,ĉ,ífAfhfĀfX,íADHCP ,É,æ,éŽ©"®ŀŀ-,É,í~—p,Å,«,Ü,¹,ňB

**[ŠO, .éfAfhfEfX]**

IP fhfhfEfX, d'íoe, .é, É, íAíoe, .é IP fhfhfEfX, dfNfŠfbfN, μAZŽ, É [íoe] , dfNfŠfbfN, μ, Ü, .B

**[-¼'Ö]**

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

fTfufjfbfg,ð•\,“C^Ó,İ-¼'Ö,ðŽw'è,Å,«,Ü,·□BfXfR□[fv-¼,É,Í□A%opŽš□A□”Žš□A,“,æ,ŃfñfCftf“,ðŽg—  
p,Å,«,Ü,·□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,Æ,«,í□A[IP fAfhfĀfX□‡,ÉfŠ□[fX,đ•À,×'Ö,!,é]  
,đfNfŠfbfN,μ,Û,·□B

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

## [fAfNfefBfu fŠ[fX]

,±,lf\_fCfAf□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\_fCfAf□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,İŠÖ,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·\Ž,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",ìXfR[fv,³\-,³,è,Ä,ç,éè#<,ÍA,±,ìfvfOf%of€,đXfR[fv,²,Æ,ÉŽÀs,·,é·K—v,³,è,Û,·B

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

[fš[fX,ìŠúĀ]

'l' ð, μ, ½fNf%ofCfAf“fg, ìĀ»Ÿ, ì IP fAfhfĀfX fš[fX, <sup>a</sup>—LĀøŠúĀ∅, 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[]AfNf%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'đ,μ,½fNf%ofCfAf“fg,đŽ•Ê,·,é-¼'O,đ•İX,·,é,É,íA[fNf%ofCfAf“fg-¼] f{fbfNfX,ÉV,μ,ç-¼'O,đ“ü—  
Í,μ,Ü,·B

,±,ì-¼'O,íŽ•Ê,ì,½,ß,¾,·,ÉŽg,í,êAfNf%ofCfAf“fg,ìŽÀÜ,ìRf“fsf...[f^-¼,É,Í%e<ç,μ,Ü,¹,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, ðfifvfVf#f“ f^fCfv, ð•ïX, ., é, É, ÍA[fNf%ofCfAf“fg] ^ê—, Å—\-ñfNf  
%ofCfAf“fg, ðf\_fuf<fNfŠfbfN, µ, Ü, ·BŽŸ, ÉA[fifvfVf#f“] , ðfNfŠfbfN, µA[DHCP fifvfVf#f“F —\-ñ]  
f\_fCfAf□fO f{fbfNfX, ð•\Ž, µ, Ü, ·B  
, ±, ðf{f^f“, a•\Ž, ³, ê, é, ì, ÍA—\-ñfNf%ofCfAf“fg, ðê□, 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□AfNf%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,·,×,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] ^ê—,Å□AflfvVf#f" f^fCfv,δ·ï□X,·,é—\ñfAfhfCEfX,δfNfŠfbfN,μ,Ü,·□BŽŸ,É□A[fvf□fpfefB] ,δfNfŠfbfN,μ□A[flfvVf#f"] ,δfNfŠfbfN,μ,Ü,·□B□V,μ,ç—\ñfNf%ofCfAf"fg,ìê□#,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 Ç » [ Ý , ì ' l , ð • \ Ž | , Ü , ½ , í • Ò [ W , Å , « , Ü , · [ B

[fjfvfVf†f“ fNf%ofX]

•W□€,\AE—\-ñ,ì,Ç,ç,ì,fjfvfVf†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,čflfvfVf+f“]**

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

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

## CE»Ÿ,ì'!

fAfNfefBfu,ÈfIfvfVf#f",ì'l,đ'è<` , ,é,É,Í[A[Žg—p,·,éIfvfVf#f"] f{fbfNfX,Ā[A'l,đ'è<` , ,éIfvfVf#f",ì-  
¼'O,đfNfŠfbfN,μ,Û,·B•Ò[W,·,é"à—e, ,æ,Ñ•û-@,Í[AfIfvfVf#f",ìff[f^CE^,É%ž,Ÿ,ÄŽŸ,ì,æ,κ  
,É^Û,È,è,Û,·B

IP fAfhfCEfX,ìêê#,Í[A'l'đ,μ,½fIfvfVf#f",ÉŠ,,è"-,Ä,éfAfhfCEfX,đ"ü—Í,μ,Û,·B

Ÿ"l,ìêê#,Í[A"KØ,È 10 Ÿ'l,Û,½,í 16 Ÿ'l,đ"ü—Í,μ,Û,·B

•Ÿš—ñ,ìêê#,Í[A•Ÿš,Û,½,Í"Žš,©,ç—,é"KØ,È ASCII •Ÿš—ñ,đ"ü—Í,μ,Û,·B

,½,Æ,ì,Í[AfXfR[fv"à,ìfNf%ofCfAf"fg,žg,κ DNS f[f€ fT[fö[f,đŽw'è,·,é,É,Í[A[Žg—p,·,éIfvfVf#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  
fAfhfCEfX,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,í□A“ÆŽ©,ì DHCP\_fifvfVf#f“ f^fCfv,ð'Ç%Á,Ü,½,í•Ò□W,·,é,Æ,«,ÉŽg,ç,Û,·□B

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

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

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

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

□€-Ú

[fNf%ofX]

[-¼'0]

[ff□[f^ÇE^]

[“z—ñ]

[ID]

[fRf□f“fg]

[fNf%ofX]

[DHCP f|fvfVf+f“□F Šù'è'l] f\_CfAf□fO f{fbfNfX,Å'l'ö,μ,½f|fvfVf+f“ 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□jff...□[.ì [Šù'è'I] ,ðfNfŠfbfN,μ,Ü,·□B

□€-Ú

[fífVfíf“ fNf%□fX]

[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,·,é|fifvfVf#f" f^fCfv,|fifvfVf#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#“ ,lf□[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\_fCfAf□fO 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" f^fCfv,ðíœ,·,é,É,íA[fVfVf#f" -¼] ^ê—,Åíœ,·,éfVfVf#f",ðfNfŠfbfN,μAŽŸ,É [íœ]  
.ðfNfŠfbfN,μ,Û,·B

**[•ïX]**

[fifvfVfjf“-¼] ^ê—,Å'ı'đ,μ,½fifvfVfjf“ f^fCfv,đ•ïX,·,é,É,íA[•ïX] ,đfNfŠfN,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'ì'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'ì'ð,μ,½lfvfVfj“,ìff[f^E^,É%ž,¶,ÄA[IP fAfhfEfx”z—ñfGfffBf^]  
f\_CfAfO f{fbfNfX,Ü,½,í [“l”z—ñfGfffBf^] 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,½flfvVf#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 flfvVf#f“□F Šù'è'í] f\_fCfAf□fo f{fbfNfX,ì [flfvVf#f“-¼]  
f{fbfNfX,Å□Aff□[f^CE^,ª IP fAfhfCEfX,ì”z—ñ,Å, ,éflfvVf#f“-¼,ðfNfŠfbfN,μ□AZŽ,É [•Ò□W]  
,ðfNfŠfbfN,μ,Ü,·□B

□€-Ú

[fAfvfŠfP□[fvf#f“] ,Æ [flfvVf#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 fAfhfCfX]**

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

## [□"l"z—ñfGffffBf^]

,±,lf\_cCfAf□fO f{fbfNfX,í□A'l'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,·,éV,μ,ϕ',ðŽw'è,μ,Ü,·B

[V,μ,ϕ'] f{fbfNfX,É'I,ð"ü—Í,μ,Ü,·BŽŸ,ÉA[Ç%Á] ,ðfNfŠfbfN,μA"ü—Í,μ,½'I,ð [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,č'l,đ'Ç%oÁ,·,é,É,í□A[□V,μ,č'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□äCEü,«-î^óf{f^f",Û,½,í%o²CEü,«-  
î^óf{f^f",đfNfŠfbfN,μ,Ä□A'l,ì^É'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%œ]**

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

[<<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, iÅ%º•”, ÉfXfe[f^fX fo[.đ•\Ž!, μ, Ü, ·BfXfe[f^fX  
fo[.É, íACE»Ý‘!đ,³,ê,Ä, ç, éfRf}f“fh, âCE»Ý, ì— —pó<μ, É, Â, ç  
, Ä, ïî•ñA, ”, æ, Ñ‘!đ,³,ê, ½fXfR[fv, qfAfNfefBfu%º»³,ê,Ä, ç, é, ©, Ç, x, ©, º•\Ž!,³,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

