

ff[]f^ fŠf“fN,É,Á,č,Ä

OLE DB ,©,çff[]f^,ÉfAfNfZfX,.,é,É,í[]AZÿ,ì,æ,κ,È[]Ú'±[]î•ñ,ðŽw'è,.,é•K—v,ª, ,è,Û,·[]B

[] fAfNfZfX,.,éff[]f^,ìŽí—p

[] ff[]f^,ª'¶[]Ý,.,éft[]fo[]

[] ff[]f^,ªŠi"[][,ª,è,Ä,č,éff[]f^fx[]fX

,½,Æ,ì,î[]AMicrosoft SQL Server ff[]f^fx[]fX,É[]Ú'±,.,é,É,í[]ASQL Server ,ì OLE DB

fvf[]fofCf_[]AfT[]fo[][-¼[]A,“,æ,ñff[]f^fx[]fX-¼,ðŽw'è,.,é•K—v,ª, ,è,Û,·[]B

"[]Ú'±•¶Žš—ñ" ,ì,±,ì[]Ú'±[]î•ñ,ð•¶Žš—ñ,Á•\,μ,½,à,ì,Á, ,è[]A•Ú'¶,μ,ÄfAfvfŠfP[]fVf#f“,Á[]Ä—~

p,Á,«,Û,·[]B[]Ú'±•¶Žš—ñ,ì[]ì—,ð—v<[].,éft[]fU[] fCf“f^[]ftfFfCfX,í[]A"ff[]f^ fŠf“fN" f_fCfAf[]fo

f{fbfNfX,ÆCEÄ,î,è,Û,·[]B[]Ú'±•¶Žš—ñ,ÁŽw'è,.,é[]î•ñ,í[]AZw'è,μ,½ OLE DB

fvf[]fofCf_ ,É,æ,Á,Ä^Û,È,è,Û,·[]B,Û,½[]Aff[]f^ fŠf“fN f_fCfAf[]fo

f{fbfNfX,ÉŠÛ,Û,è,éflfvfVf#f“,à[]AZw'è,μ,½ OLE DB fvf[]fofCf_ ,É,æ,Á,Ä^Û,È,è,Û,·[]B

[]ì—,μ,½[]Ú'±•¶Žš—ñ,í[]AfAfvfŠfP[]fVf#f“ ff[]f^,ÉŠÛ,ß,Ä•Ú'¶,Á,«,Û,.,ª[]AŠg'£Žq .udl

,ì•Êftf@fCf<,Æ,μ,Ä•Ú'¶,.,é,±,Æ,à,Á,«,Û,·[]B,±,ìftf@fCf<,í[]A"Microsoft ff[]f^ fŠf“fN" ftf@fCf< (.udl)

,ÆCEÄ,î,è,Û,·[]BfAfvfŠfP[]fVf#f“ ff[]f^,ÉŠÛ,ß,Ä•Ú'¶,.,é,©[]Aff[]f^ fŠf“fN ftf@fCf< (.udl)

,Æ,μ,Ä•Ú'¶,.,é,©,í[]AZg—p,.,éfAfvfŠfP[]fVf#f“,ì<@“\,É,æ,Á,Ä^Û,È,è,Û,·[]B

ŠÖ~A[]€-Ú

OLE DB ff[]f^ fvf[]fofCf_ ,É,Á,č,Ä

ff[]f^ fŠf“fN.ð[]ì—,.,é

ff[]f^ fŠf“fN fvf[]fpfefB,Á[]ì<Æ,.,é

ff[]f^ fŠf“fN.ð[]@—[],.,é

ff[]f^ fšf“fN,đ[]i[]-,.,é

fAfvfšfP[]fVf#f“,É,æ,Á,Ä[]Aff[]f^ fšf“fN,đfAfvfšfP[]fVf#f“,É•Ú’¶,μ,½,è[]Ašg’£žq .udl ,a•t,ç
,½•Éftf@fCf<,Æ,μ,Ä•Ú’¶,.,é,±,Æ,ª,Ä,«,Ü,·[]B

fAfvfšfP[]fVf#f“,Äff[]f^ fšf“fN,đ•Ú’¶,.,æ,ŃšÇ—[],.,é,Æ,«,É[]Aff[]f^ fšf“fN fvf[]pfefB,lf_fCfA[]fO
f{fbfNfX,a•\Ž!,³,è[]A•K—v,É%ž,¶,Ä[]Ú’±•¶žš—ñ,ì“ü—í,a—v[]³,é,Ü,·[]B

fAfvfšfP[]fVf#f“,a .udl ftf@fCf<,đTf[]f[]fg,.,é[]è[]±,í[]A[]Ä[]%,Éff[]f^ fšf“fN ftf@fCf< (.udl)
,đ[]i[]-,μ,Ä[]Aff[]f^ fšf“fN fvf[]pfefB,lf_fCfA[]fO f{fbfNfX,Ä[]Ú’±•¶žš—ñ,đfj<fh,μ,Ü,·[]B[]Ú’±•¶žš—
ñ,lf[]f^ fšf“fN ftf@fCf< (.udl) ,É•Ú’¶,³,é,Ü,·[]B•K—v,É%ž,¶,Ä .udl ftf@fCf<,ì[]i[]-,đ—
v[]ç,.,éfv[]f“fvfg,a•\Ž!,³,é,Ü,·,ª[]AWindows fGfNfXfv[]f[]f%,Äff[]f^ fšf“fN,đ[]i[]-,.,é,±,Æ,ª,Ä,«,Ü,·[]B

’[]^Ó fAfvfšfP[]fVf#f“,a .udl ftf@fCf<,đTf[]f[]fg,μ,È,ç[]è[]±,Ä,à[]A[]fRf“fgf[]f[]f< fp[]f[]f<]
,Ü,½,lf[]fXfNfgfbfv,Ä .udl ftf@fCf<,đ[]i[]-,.,æ,Ń•Ò[]W,μ[]A,Ü,©,lfAfvfšfP[]fVf#f“,Äžg—
p,μ,½,è[]A,Ü,©,lf[]f^,É’í,.,é[]Ú’±[]i•ñ,ìšÇ—[],Éžg—p,.,é,±,Æ,ª,Ä,«,Ü,·[]B

Windows fGfNfXfv[]f[]f%,Äff[]f^ fšf“fN ftf@fCf< (.udl) ,đ[]i[]-,.,é,É,í

- 1 fGfNfXfv[]f[]f%,lfEfbf“fhfE,ì”C^Ó,ì^É’u[]A,Ü,½,lf[]fXfNfgfbfv,Äf}fEfX,ì
%[]E[]f^f“,đfNfšfbfN,μ[]A[]V<K[]i[]-[] ,đf[]fCf“fg,μ,Ä[]A[]Microsoft Data Link]
,đfNfšfbfN,μ,Ü,·[]BCE»[]Ý,lf[]fBf[]f[]f[]f[]fš,É[]V<K,lf[]f^ fšf“fN ftf@fCf< (.udl) ,a[]i[]-,³,é,Ü,·[]B
- 2 []i[]-,μ,½ftf@fCf<,đf}fEfX,ì%[]E[]f^f“,ÄfNfšfbfN,μ[]A[]f[]v[]f[]pfefB] ,đfNfšfbfN,μ,Ü,·[]B
- 3 ff[]f^ fšf“fN fvf[]pfefB,lf_fCfA[]fO f{fbfNfX,Ä[]Aff[]f^ fšf“fN,lfvf[]pfefB,đ[]ý’è,μ,Ü,·[]B
ftf@fCf<,đf}fEfX,ì%[]E[]f^f“,ÄfNfšfbfN,μ[]A[][-¼’O,ì•İ[]X] ,đfNfšfbfN,μ,Ä[]Aftf@fCf<-¼,đ•ì[]X,.,é,±
,Æ,à,Ä,«,Ü,·[]B

šÖ~A[]€-Ú

ff[]f^ fšf“fN fvf[]pfefB,Ä[]i[]Æ,.,é

ff[]f^ fšf“fN,đ[]@—[],.,é

ff[]f^ fšf“fN fvf[]pfefB,Ä[]i<Æ,.,é

ff[]f^ fšf“fN fvf[]pfefB,lf_fCfAf[]fO f{fbfNfX,ðŽg—p,μ,Ä[]AOLE DB fvf[]fofCf_,l[]%Šú %»fvf[]pfefB,ðŽw’è,μ,Ü,·[]B,±,±,Ä[]Ý’è,.,éfvf[]pfefB,í[]A[]Ú’±•¶Žš—ñ,Æ,μ,ÄfAfvfšfP[]fVf#“ ff[]f^,É•Ü’¶,³,è,é,©[]A.udl ftf@fCf<,É•Ü’¶,³,è,Ü,·[]Bff[]f^ fšf“fN fvf[]pfefB,í OLE DB ,É,æ,Ä,Ä^Ü,È,è,Ü,·[]B

OLE DB fvf[]fofCf_,l[]Ú’±fvf[]pfefB,ð[]Ý’è,.,é

ff[]f^ fšf“fN,l[]Ú’±fvf[]pfefB,í[]AZg—p,.,é OLE DB fvf[]fofCf_,É,æ,Ä,Ä^Ü,È,è,Ü,·[]B[]Ú’±fvf[]pfefB,Ä,í[]Aff[]f^,l[]êšš,“,æ,ñff[]f^,É[]Ú’±,.,é•ù- @,ðŽw’è,μ,Ü,·[]B

ff[]f^ fšf“fN fvf[]pfefB,lf_fCfAf[]fO f{fbfNfX, l[]Ú’±] f^fu,lfvf[]fofCf_—L,ì,à,ì,Ä[]A’I’ð,μ,½ OLE DB fvf[]fofCf_,É•K—v,È[]Ú’±fvf[]pfefB,ì,Ý,ª•\Ž!,³,è,Ü,·[]B

ff[]f^ fAfNfZfX fRf“f[]f[]fg,ÉšÜ,Ü,è,Ä,ç,È,çfvf[]fofCf_,ðŽg—p,.,éê[]#,í[]A”Ä—p,lf_fCfAf[]fO f{fbfNfX,Ä[]Ú’±fvf[]pfefB,ð[]Ý’è,Ä,«,Ü,·[]B

OLE DB fvf[]fofCf_,ÄŽg—p,Ä,«,é[]%Šú%»fvf[]pfefB,ð•\Ž!,.,é

Žg—p,.,é OLE DB fvf[]fofCf_,ÄfTf[]fg,³,è,é,.,x,Ä,ì[]%Šú%»fvf[]pfefB,ð•\Ž!,.,é,É,í[]Aff[]f^ fšf“fN fvf[]pfefB,lf_fCfAf[]fO f{fbfNfX, l[.,x,Ä] f^fu,ðŽg—p,μ,Ü,·[]B,±,lf^fu,í[]Afvf[]fofCf_—L,ì[]%Šú %»fvf[]pfefB,ð[]Ý’è,.,éê[]#,É•Ö—~,Ä,·[]B

[]Ú’±•¶Žš—ñ,ÉfAfNfZfX,μ,Ä•Ö[]W,.,é

Žg—p,.,éAfvfšfP[]fVf#“,af[]f^ fšf“fN ftf@fCf< (.udl) ,ðfTf[] fg,.,éê[]#,í[]AfAfvfšfP[]fVf#“,Ü,½,lfNfNfgfbfv,©,çff[]f^ fšf“fN fvf[]pfefB,lf_fCfAf[]fO f{fbfNfX,É[]ŽžfAfNfZfX,Ä,«,Ü,·[]BfAfNfZfX,Ä,«,È,çê[]#,í[]AfAfvfšfP[]fVf#“,©,ç,ì,ÝfAfNfZfX,Ä,«,Ü,·[]B ‘[]Ö fAfvfšfP[]fVf#“,ª .udl ftf@fCf<,ðfTf[]fg,μ,È,çê[]#,Ä,à[]A[]fRf“fgf[]f< fpf[]f< ,Ü,½,lfNfNfgfbfv,Ä .udl ftf@fCf<,ð[]¬,“,æ,ñ•Ö[]W,μ[]A,Ü,©,lfAfvfšfP[]fVf#“,ÄŽg— p,μ,½,è[]A,Ü,©,lf[]f^,É’í,.,é[]Ú’±[]¶•ñ,ìšç—[],ÉŽg—p,.,é,±,Æ,ª,Ä,«,Ü,·[]B

Windows fGfNfXfvf[]f%»,Äff[]f^ fšf“fN fvf[]pfefB,ð•Ö[]W,.,é,É,í

- 1 fGfNfXfvf[]f%»,Ü,½,lfNfNfgfbfv,Ä[]A.udl ftf@fCf<,ðf}fEfx,l[]%Ef{f^f“,ÄfNfšfNfN,μ[]A[]fvf[]pfefB] ,ðfNfšfNfN,μ,Ü,·[]B
- 2 ff[]f^ fšf“fN fvf[]pfefB,lf_fCfAf[]fO f{fbfNfX,Ä[]Aff[]f^ fšf“fN fvf[]pfefB,ð•İ[]X,μ,Ü,·[]B

šÖ~A[]€-Ü

ff[]f^ fšf“fN,É,Ä,ç,Ä

l[]Ú’±] f^fu[]Aff[]f^ fšf“fN fvf[]pfefB,lf_fCfAf[]fO f{fbfNfX
l[]Ú[]x[]Ý’è] f^fu[]Aff[]f^ fšf“fN fvf[]pfefB,lf_fCfAf[]fO f{fbfNfX
[.,x,Ä] f^fu[]Aff[]f^ fšf“fN fvf[]pfefB,lf_fCfAf[]fO f{fbfNfX
lfvf[]pfefB,ì’l,ð•Ö[]W] f_fCfAf[]fO f{fbfNfX

ff[]f^ fŠf“fN,đ[]@—[],·,é

□V,μ,¢ff[]f^ f[]fX,ìžæ“¾□A,Ù,©,ìff[]f^ f[]fX,ìfAfbfvfOfCE[]fh□A,“,æ,ÑCEÃ,¢ff[]f^ f[]fX,ì□í□œ,É”º,¢□Aff[]f^,É□Ú’±,·,éff[]f^ fŠf“fN,đŠÈ’P,É^ÙŽ□,·,é,±,Æ,ª,Å,«,Û,·□B.udl ftf@fCf<,đfTf[]fg,·,éfAfvfŠfP[]fVf†f“,Å,í□A.udl ftf@fCf<,ì□Ú’±□î•ñ,đ□X□V,·,é,¾,¯,Å□ì<Æ,ªŠ@—¹,μ,Û,·□B□X□V,μ,½ .udl ftf@fCf<,đŽQ□Æ,·,éfAfvfŠfP[]fVf†f“,í□A’¾,¿,É□Å□V,ìff[]f^ f[]fX,ÉfAfNfZfX,μ,Û,·□B

ff[]f^ fŠf“fN ftf@fCf<,đ[]@—[],·,é□Ú,É□AfGfNfXfvf[]f%º,ìfEfBf“fhfE,ÅŽŸ,ì,æ,ª,ÈŠî—{“l,Èftf@fCf<ŠÇ—□□ì<Æ,đŽÀ□s,Å,«,Û,·□B

- ff[]f^ fŠf“fN ftf@fCf< (.udl) ,đ□ì□—,·,é□B
- Šù’¶,ìff[]f^ fŠf“fN ftf@fCf< (.udl) ,ìfvf[]fpfefB,đ•Ò□W,·,é□B
- ff[]f^ fŠf“fN ftf@fCf< (.udl) ,đ□í□œ,·,é□B
- ff[]f^ fŠf“fN ftf@fCf< (.udl) ,đfRfs[]l,μ□A•É,ìftfHf<f_,É“\,è•t,¯,Å□@—[],·,é□B

ff[]f^ fŠf“fN ftf@fCf< (.udl) ,đ□ì□—,·,é,É,í

□ fGfNfXfvf[]f%º,ìfEfBf“fhfE,Å□Aftf@fCf< fŠfXfg“à,ì”C^Ó,ì^È’u,Åf}fEfX,ì%ºEf{f^f“,đfNfŠfbfN,μ□A[□V<K□i□—],đf[]fCf“fg,μ,Å□A[Microsoft Data Link] ,đfNfŠfbfN,μ,Û,·□B

ff[]f^ fŠf“fN ftf@fCf< (.udl) ,đ•Ò□W,·,é,É,í

□ fGfNfXfvf[]f%º,ìfEfBf“fhfE,Å□Aftf@fCf< fŠf“fN ftf@fCf<,đf}fEfX,ì%ºEf{f^f“,ÅfNfŠfbfN,μ□A[fvf[]fpfefB] ,đfNfŠfbfN,μ,Å□Aftf@fCf<,đ•Ò□W,μ,Û,·□B

ff[]f^ fŠf“fN ftf@fCf< (.udl) ,đ□í□œ,·,é,É,í

□ fGfNfXfvf[]f%º,ìfEfBf“fhfE,Å□Aftf@fCf< fŠf“fN ftf@fCf<,đf}fEfX,ì%ºEf{f^f“,ÅfNfŠfbfN,μ□A[□í□œ] ,đfNfŠfbfN,μ,Å□Aftf@fCf<,đ□í□œ,μ,Û,·□B

ff[]f^ fŠf“fN ftf@fCf< (.udl) ,đ^Ú”@,·,é,É,í

□ fGfNfXfvf[]f%º,ìfEfBf“fhfE,Å□Aftf@fCf< fŠf“fN ftf@fCf<,đfRfs[]l,μ□A—Ú“l,ìftfHf<f_,É“\,è•t,¯,Û,·□B
’□^Ó [ff[]f^ fŠf“fN ftf@fCf<,ì’đ]f_fCfAf[]fO_f{fbfNfX,đŽg—p,μ,Åff[]f^ fŠf“fN,đ[]@—[],·,é,±,Æ,à,Å,«,Û,·□B

[fvf]fofCf_] f^fu Af f f^ fšf“fN fvf fpfefB, ìf_fCfAf fO f{fbfNfX

[fvf]fofCf_] f^fu, ðžg—p, μ, Ä Af AfNfZfX, ·, éff [f^, ðží—p, É'í, μ, Ä“K Ø, È OLE DB
fvf]fofCf_, ð'í'ð, μ, Ü, · B, ç, , Ä, ©, ìf AfvfšfP [fVf f“ , Ä, ì Afvf]fofCf_, ðžw'è, μ, ½, è ACE» Ý, ì'í'ð, ð•ì X, ·, é, ±
, Æ, í, Ä, «, Ü, ¹, ñ B, ±, ìf^fu, ì Af AfvfšfP [fVf f“ , Ä OLE DB fvf]fofCf_, ì Ý'è, ð•ì X, Ä, «, é è ð †, É, ì, Ý • \
Ž, ³, è, Ü, · B

f^fu, ÉŠÜ, Ü, è, é f fvfVf f“

[OLE DB fvf]fofCf_] fšfXfg fn [fh ffbfXfN ä, Å Ć Ÿ o, ³, è, ½, ·, x, Ä, ì OLE DB fvf]fofCf_, a^è—• \
Ž, ³, è, Ü, · B

[ŽŸ, Ö] 'í'ð, μ, ½ OLE DB fvf]fofCf_, ì [Ü'±] f^fu, É'Ú“ @, μ, Ü, · B

šÖ~A €-Ú

ff [f^ fšf“fN fvf fpfefB, Ä] < Æ, ·, é

[Ú±] f^fu (SQL Server) Aff[f^ fŠf“fN fvf fpfefB,lf_fCfAf fO f{fbfNfX

[Ú±] f^fu,žg—p,μ,Ä Microsoft SQL Server ff[f^,ÉÚ±,·,é·û-@,žw'è,μ,Û,·B

f^fu,ÉŠÛ,Û,è,élfvfVfjf“

1 ff[f^fO[¼,đ'í'đ,Û,½,í“ü—í,μ,Û,·B

fAfNfZfX,·,éff[f^fx[fX,ª“Ÿ,·,éff[fO[¼,đ“ü—í,μ,Û,·B

2 ff[f^fO[Û,Û,lfOflf“,É·K—v,Èî·ñ,đ“ü—í,μ,Û,·B

[Windows NT ,ì“ffZfLf...fŠfefB,žg—p,·,é] “ffff[fX,žg—p,μ,Äff[fU[¼,ž·É,·,éèè,É'í'đ,μ,Û,·B

,±,ì<@“\,žg—p,·,é,É,íA'í'đ,μ,½ OLE DB fvf fof Cf_ª“ffff[fX,đff[f,μAff[fU[¼,Éff[f^ f[fX,Ä“ffff[fX,žg—p,·,éCEÄ,ª—^,ì,ç,è,Ä,ç,é·K—v,ª, ,è,Û,·B

[“Á'è,lf[fU[¼,ÆpfXff[fh,žg—p,·,é] ·\ž,ª,è,½-¼'O,ÆpfXff[fh,žg—p,μ,ÄAff[f^ f[fX,Û,lfOflf“,đ“ff,·,éèè,É'í'đ,μ,Û,·B

[ff[fU[¼] ff[f^ f[fX,Û,lfOflf““ff,žg—p,·,éff[fU[¼ ID ,đ“ü—í,μ,Û,·B

[pfXff[fh] ff[f^ f[fX,Û,lfOflf““ff,žg—p,·,épfXff[fh,đ“ü—í,μ,Û,·B

[pfXff[fh,đ·ó,É,·,é] žw'è,ª,è,½vf fof Cf_íAÚ±·Ÿš—ñ,ì't,É<ó“,lfpfXff[fh,đŠÛ,ß,Ä·Ô,·,±,Æ,ª,Ä,«,Û,·B

[pfXff[fh,đ·Ú'Ÿ,·,é] pfXff[fh,đÚ±·Ÿš—ñ,ÉŠÛ,ß,Ä·Ú'Ÿ,·,é,±,Æ,ª,Ä,«,Û,·BpfXff[fh,ªÚ±·Ÿš—ñ,ÉŠÛ,Û,è,é,©,ç,ª,©,íACEÄ,Ÿo,μ,đs,mafAvfŠfP[fVfjf“,ì<@“\,É,æ,Ä,Ä'Û,È,è,Û,·B

'^Ó ·Ú'Ÿ,ª,è,½pfXff[fh,í·Ô,ª,èAftfBf'ª“K—p,ª,è,Ä,ç,È,çó'Ô,“,æ,Ÿ^Ä+‰ª,ª,è,Ä,ç,È,çó'Ô,Ä·Ú'Ÿ,ª,è,Û,·B

3 ff[f^fO[ä,lf[f^fx[fX,đ'í'đ,μ,Û,·B

fAfNfZfX,·,éff[f^fx[fX,đ“ü—í,μ,Û,·B

- ,Û,½,í -

ff[f^fx[fX-¼,Æ,μ,Ä SQL ff[f^fx[fX ftf@fCf<,đ“Y·t,·,é

“Y·t,μ,½ SQL ff[f^fx[fX ftf@fCf<,žg—p,·,éff[f^fx[fX-¼,đ“ü—í,μ,Û,·B

'^Ó ,±,ì<@“\,žg—p,·,é,É,í SQL Server 7.0 ,ª·K—v,Ä,·B

ftf@fCf<-¼,žg—p,·,é

'P^ftf@fCf< ff[f^fx[fX ftf@fCf<,ì-¼'O,đ“ü—í,μ,Û,·Bftf@fCf<,žQAE,·,é,É,íA[žQAE],đNfŠfbfN,μ,Û,·B

[Ú±,lfefXfg] žw'è,μ,½ff[f^ f[fX,Û,ÛÚ±,ðfefXfg,·,éèè,ÉfNfŠfbfN,μ,Û,·B

Ú±,ªž,“s,μ,½èè,íAŸ'è,ª³,μ,ç,±,Æ,đŠm“F,μ,Ä,-,¼,ª,çB,½,Æ,ì,íACEèžšA'á·Ÿš,Æ—·Ÿš,ì'á,ç,È,ç,ªCE'^ò,ÄÚ±,ªž,“s,·,éèè,ª, ,è,Û,·B

ŠÖ~A€-Ú

ff[f^ fŠf“fN fvf fpfefB,Ä<Æ,·,é

[Ú±] f^fu (Jet) Aff [f^ fšf" fN fvf fpfefB, ìf_CfAf fO f{fbfNfX

[Ú±] f^fu, đŽg—p, μ, Ä Microsoft Access ff [f^, ÉÚ±, , é•û-@, đŽw'è, μ, Ü, ·B

f^fu, ÉŠÜ, Ü, è, éf fvfVf f"

1 ff [f^fx [fX-¼, đ'í'đ, Ü, ½, í"ü—í, μ, Ü, ·B

fAfNfZfX, , é Microsoft Access ff [f^fx [fX ftf@fCf< (.mdb) , ì-¼'O, đ"ü—
í, μ, Ü, ·B ftf@fCf<, đŽQAE, , é, É, ÍA[ŽQAE] , đfNfŠfbfN, μ, Ü, ·B

2 ff [f^fx [fX, Ö, ìfOfif" , É•K—v, Èî•ñ, đ"ü—í, μ, Ü, ·B

[ft [fU [-¼] ff [f^ f [fX, Ö, ìfOfif" "FØ, ÉŽg—p, , éft [fU [ID , đ"ü—í, μ, Ü, ·B

[fpfXf [fh] ff [f^ f [fX, Ö, ìfOfif" "FØ, ÉŽg—p, , éfpfXf [fh, đ"ü—í, μ, Ü, ·B

[fpfXf [fh, đ•ó, É, , é] Žw'è, , é, ½fvf ofofCf_ , ÍAÚ±•ŕŽš—
ñ, ì't, É'ó" , ìfpfXf [fh, đŠÜ, ß, Ä•Ö, , ±, Æ, , Ä, «, Ü, ·B

[fpfXf [fh, đ•Ű'ŕ, , é] fpfXf [fh, đÚ±•ŕŽš—ñ, ÉŠÜ, ß, Ä•Ű'ŕ, , é, ±
, Æ, , Ä, «, Ü, ·B fpfXf [fh, , Ú±•ŕŽš—ñ, ÉŠÜ, Ü, è, é, ©, Ç, x
, ©, ÍACEÄ, Ño, μ, đs, xAfvfŠfP [fVf f" , ì<@" \, É, æ, Á, Ä^Ü, È, è, Ü, ·B

'Ű'Ó •Ű'ŕ, , é, ½fpfXf [fh, Í•Ö, , é AfvfBf f^ , , K—p, , é, Ä, ç, È, çó'Ö, , æ, Ñ^Ä+%%» , , é, Ä, ç
, È, çó'Ö, Ä•Ű'ŕ, , é, Ü, ·B

[Ú±, ìfefXfg] Žw'è, μ, ½ff [f^ f [fX, Ö, ìÚ±, đfefXfg, , éêê, ÉfNfŠfbfN, μ, Ü, ·B

Ú±, , éŽ , "s, μ, ½êê, ÍAŰ'è, , é, μ, ç, ±, Æ, đŠm" F, μ, Ä, -

, ¾, , çB, ½, Æ, ì, ÍACEèŽšA'â•ŕŽš, Æ—•ŕŽš, ì^á, ç, È, Ç, ACE'^ö, ÄÚ±, , éŽ , "s, , éêê, , é, è, Ü, ·B

ŠÖ~A€-Ú

ff [f^ fšf" fN fvf fpfefB, Ä<Æ, , é

[Ů±] f^fu (Oracle) Aff [f^ fšf" fN fvf fpfefB, lf_fCfAf_fO f{fbfNfX

[Ů±] f^fu, đžg—p, μ, Ā Oracle ff [f^, É Ů±, ., é• ũ-@, đžw'è, μ, Ů, . B

f^fu, ÉŠÜ, Ů, é, éfIfvfVf†f“

1 fT [fo [-¼, đ“ ũ—Í, μ, Ů, . B

fAfNfZfX, ., éff [f^ fX [fX, a' ¶ŮŸ, ., éfT [fo [, đ“ ũ—Í, μ, Ů, . B

2 fT [fo [, Ö, lfOfOfif“ , É•K—v, Èŋ•ñ, đ“ ũ—Í, μ, Ů, . B

[ff [fU [-¼] ff [f^ f [fX, Ö, lfOfOfif“ F∅, Éžg—p, ., éft [fU [ID , đ“ ũ—Í, μ, Ů, . B

[fpfXf [fh] ff [f^ f [fX, Ö, lfOfOfif“ F∅, Éžg—p, ., éfpfXf [fh, đ“ ũ—Í, μ, Ů, . B

[fpfXf [fh, đ•ó, É, ., é] Žw'è, ³, è, ½fvf ofCf_ , ÍA Ů± • ¶žš—
ñ, Ìt, É<ó“ , lfpfXf [fh, đŠÜ, ß, Ā•Ö, ., ±, Æ, ³, Ā, «, Ů, . B

[fpfXf [fh, đ•Ů'¶, ., é] fpfXf [fh, đŮ± • ¶žš—ñ, ÉŠÜ, ß, Ā•Ů'¶, ., é, ±
, Æ, ³, Ā, «, Ů, . B fpfXf [fh, a Ů± • ¶žš—ñ, ÉŠÜ, Ů, é, é, ©, Ç, ²
, ©, ÍACEĀ, Ño, μ, đs, ²fAfvfšP [fVf†f“ , Ì<@“ , É, æ, Á, Ā^Ů, È, è, Ů, . B

'Ů^Ů • Ů'¶, ³, è, ½fpfXf [fh, Í•Ö, ³, è [AftfBf^ , a“K—p, ³, è, Ā, Ç, È, Çó'Ů, “, æ, Ñ^Ā [t%o» , ³, è, Ā, Ç
, È, Çó'Ů, Ā•Ů'¶, ³, è, Ů, . B

[Ů±, lfefXfg] Žw'è, μ, ½ff [f^ f [fX, Ö, ÌŮ±, đfefXfg, ., éê [f, ÉfNfšfbfN, μ, Ů, . B

Ů±, až , “s, μ, ½ê [f, ÍA ŮŸ'è, a³, μ, Ç, ±, Æ, đšm”F, μ, Ā, -

, ¾, ³, ÇB, ½, Æ, Ì, ÍACEžš [A'â • ¶žš, Æ [- • ¶žš, Ìá, Ç, È, Ç, aCE'^ö, ĀŮ±, až , “s, ., éê [f, a , è, Ů, . B

ŠÖ~A€-Ů

ff [f^ fšf" fN fvf fpfefB, Ā [Æ, ., é

[Ú×Ýè) f^fuAfflf^ fšf“fN fvfppfefB,lf_CfAffo f{fbfNfX

[Ú×Ýè) f^fu,đŽg—p,μ,ÄAfflf^,),»,)¼,ì%Šú%»fvfppfefB,đ•Ž!,,æ,ÑŸè,μ,Ü,□B

'^Ó □%Šú%»fvfppfefB,ìÚ×Ýè,É,Ä,ç,Ä,íASe OLE DB fvffofCf_,lf)jff...fAfç,đŽQÆ,μ,Ä,-
,¾,¾,ç□B

f^fu,ÉŠÜ,Ü,é,élfvfVfjf“

[U•fCefxfç] fT[fo[.,fNf%ofCfAf“fg,đçU’•,•,é,Æ,ç,ÉŽg—p,Ä,ç,éçU’•,lfCefxfç,Ä,□B,±
,lfvfppfefB,íAfšf,lf fvfppvf[fwff fR[lfç (RPC) ^ÈŠÖ,lfifbfgf[lfNÚ±,Ä,ì,ÝŽg—p,Ä,ç,Ü,□B,±,±
,ÄŸè,•,éçU’•fCefxfç,íRPC ,ÄŽg—p,•,éCefxfç,É—pŽ—,μ,Ä,ç,Ü,□B,±,lfvfppfefB,í‘í,íA”F∅,¾,é,½ RPC
Ú±,É‘í,μ,ÄŽw’è,Ä,ç,éçU’•fCefxfç,É‘¼Ú‘í%ž,μ,Ä,ç,Ü,•,A”F∅,¾,é,½ RPC ^ÈŠÖ,ìÚ±,É“K—p,•,é,±
,Æ,à%Ä“\,Ä,□BŽŸ,lfCefxfç,ç,ç‘l’đ,μ,Ü,□B

- **[Anonymous]** - fNf%ofCfAf“fg,lfT[fo[.,É‘í,μ,Ä“½-¼,É,È,è,Ü,□BfT[fo[.,É,“,-,é□—□,ÄfNf
%ofCfAf“fg,ÉŠÖ,•,éŽ•Éî•ñ,đŽæ“¾,•,é,±,Æ□A,“,æ,ÑfNf%ofCfAf“fg,ìCE CEÀ,đŽØ—p,•,é,±
,Æ,í,Ä,ç,Ü,¾,ñ□B
- **[Delegate]** - fNf%ofCfAf“fg,Æ,μ,Äç@“\,μ,Ä,ç,éŠÖ,íAFT[fo[.,Ä,ì□—□,ÄfNf%ofCfAf“fg,lfZfLf...
fšfefB fRf“fefLfxfg,đŽØ—p,•,é,±,Æ,¾,Ä,ç,Ü,□B,Ü,½AFT[fo[.,Ä,ì□—□,Ä,íAfNf
%ofCfAf“fg,Æ,μ,Äç@“\,μ,Ä,ç,éŠÖ,É□A,Ü,ç,ìT[fo[.,Ö,íŠÖ•”CEÄ,Ñ□o,μ,đŽÀ□s,•,é,±
,Æ,à,Ä,ç,Ü,□B
- **[Identify]** - fT[fo[.,lfNf%ofCfAf“fg,ì ID ,đŽæ“¾,Ä,ç,Ü,□BfT[fo[.,í ACL f`fFbfN,É‘í,μ,ÄfNf
%ofCfAf“fg,ìCE CEÀ,đŽØ—p,Ä,ç,Ü,•,A”fNf%ofCfAf“fg,Æ,μ,ÄfVfxfefç flfufWffNfg,ÉfAfNfZfX,•,é,±
,Æ,í,Ä,ç,Ü,¾,ñ□B
- **[Impersonate]** - fNf%ofCfAf“fg,Æ,μ,Äç@“\,μ,Ä,ç,éŠÖ,íAFT[fo[.,Ä,ì□—□,ÄfNf
%ofCfAf“fg,lfZfLf...fšfefB fRf“fefLfxfg,đŽØ—p,•,é,±,Æ,¾,Ä,ç,Ü,□B,±
,ìî•ñ,íAÇEÄX,ìCEÄ,Ñ□o,μ,É%ž,¶,Ä,Ä,í,É,□AÚ±,šm—š,¾,é,½,Æ,ç,ÉŽæ“¾,¾,é,Ü,□B

[•UÇifCefxfç] fNf%ofCfAf“fg,ÆfT[fo[ŠÖ,Ä’—□M,¾,é,éfflf^,ì•UÇifCefxfç,Ä,□B,±
,lfvfppfefB,íARPC ^ÈŠÖ,lfifbfgf[lfNÚ±,Ä,ì,ÝŽg—p,Ä,ç,Ü,□B,±,±,ÄŸè,•,éçU’è,•,é•UÇifCefxfç,íRPC ,ÄŽg
—p,•,éCefxfç,É—pŽ—,μ,Ä,ç,Ü,□B,±,lfvfppfefB,í‘í,íA”F∅,¾,é,½ RPC Ú±
,É‘í,μ,ÄŽw’è,Ä,ç,éçU’è,É‘¼Ú‘í%ž,μ,Ä,ç,Ü,•,A”F∅,¾,é,½ RPC ^ÈŠÖ,ìÚ±,É“K—p,•,é,±,Æ,à
%Ä“\,Ä,□BŽŸ,lfCefxfç,ç,ç‘l’đ,μ,Ü,□B

- **[Call]** - fNf%ofCfAf“fg,ç,çT[fo[.,É—vç,æ’—□M,¾,é,é,Æ,ç,çA□Ä%»,Éfflf^ f
[fx,ì”F∅,¾,é,Ü,□B
- **[Connect]** - fNf%ofCfAf“fg,æT[fo[.,Æ,ìÚ±,đšm—š,μ,½é±,É,ì,Ý”F∅,¾,é,Ü,□B
- **[None]** - fT[fo[.,É’—□M,¾,é,éfflf^,ì”F∅,í□s,í,è,Ü,¾,ñ□B
- **[Pkt]** - Žó□M,μ,½,•,x,Ä,lf[lf^,æfNf%ofCfAf“fg,ç,ç”□M,¾,é,½,±,Æ,đ”F∅,μ,Ü,□B
- **[Pkt Integrity]** - Žó□M,μ,½,•,x,Ä,lf[lf^,æfNf%ofCfAf“fg,ç,ç”□M,¾,é,½,±,Æ□A,“,æ,Ñfflf^,æ’—
□M’t,É•íX,¾,é,Ä,ç,É,ç,±,Æ,đ”F∅,μ,Ü,□B
- **[Pkt Privacy]** - Žó□M,μ,½,•,x,Ä,lf[lf^,æfNf%ofCfAf“fg,ç,ç”□M,¾,é,½,±,Æ□A,“,æ,Ñfflf^,æ’—
□M’t,É•íX,¾,é,Ä,ç,É,ç,±,Æ,đ”F∅,μ□A^Ä+%»,É,æ,Ä,Äfflf^,ìç@—šç,đ•UÇi,μ,Ü,□B

[Ú±f^fCfç fAfEfg] OLE DB fvffofCf_»%Šú%»,íŠ®—¹,đ’Ö,ÄŽžŠÖ,đ•b’P^É,ÄŽw’è,μ,Ü,□B□
%Šú%»,æ^fCfç fAfEfg,É,È,é,ÆfGf%□,æ•Ó,¾,é□AÚ±,ì□—,¾,é,Ü,¾,ñ□B

[fAfNfZfXç-‰Ä] fAfNfZfXç ,đŽw’è,μ,Ü,□BŽŸ,ìt,ç 1 ,Ä,Ü,½,í•;□”,ìCE CEÀ,đ’l’đ,μ,Ü,□B

- **[Read]** - “Ç,ÝŽæ,èé—p□B
- **[ReadWrite]** - “Ç,ÝŽæ,èfAfNfZfXç ,“,æ,ÑŸ,«□ž,ÝfAfNfZfXç □B

- **[Share Deny None]** - , ù, ©, ìft□[fU□[, É'í, μ, Ā□A“Ç, Ý□ž, ÝfAfNfZfXCE , , æ, Ñ□', «□ž, ÝfAfNfZfXCE , ð<'“Ù, , é, ± , Æ, ^a, Ā, «, Û, ¹, ñ□B
- **[Share Deny Read]** - , ù, ©, ìft□[fU□[, í“Ç, ÝŽæ, èf, □[fh, ĀŠJ, , ±, Æ, ^a, Ā, «, Û, ¹, ñ□B
- **[Share Deny Write]** - , ù, ©, ìft□[fU□[, í□', «□ž, Ýf, □[fh, ĀŠJ, , ±, Æ, ^a, Ā, «, Û, ¹, ñ□B
- **[Share Exclusive]** - , ù, ©, ìft□[fU□[, í“Ç, Ý□ž, Ý/□', «□ž, Ýf, □[fh, ĀŠJ, , ±, Æ, ^a, Ā, «, Û, ¹, ñ□B
- **[Write]** - □', «□ž, Ý□ê—p□B

ŠÖ~A□€-Ú

ff□[f^ fŠf“fN fvf□fpfefB, Ā□ì<Æ, .: .é

[,·,×,Ä] f^fu Af f fš fN fvf fpfefB, ìf_fCfAf fO f{fbfNfX

[,·,×,Ä] f^fu, ðŽg—p, μ, Ä A' I' ð, μ, ½ OLE DB fvf fofCf_, ÄŽg—p % Ä "\, È, ·, ×, Ä, ì OLE DB % Šú % » fvf fpfefB, ð • \Ž |, ", æ, Ñ • Ò W, μ, Ü, · B fvf fpfefB, Ì AŽg—p, ·, é OLE DB fvf fofCf_, É, æ, Á, Ä ^ Ò, È, è, Ü, · B

f^fu, ÉŠÜ, Ü, è, é f fvf V f f

% Šú % » fvf fpfefB fš fXfg ·, ·, ×, Ä, ì fvf fpfefB, ", æ, Ñ » Ý, Ì Ý ' è ' I, ð ^ è — • \Ž |, μ, Ü, · B

' ^ Ó fš fXfg, ÉŠÜ, Ü, è, é % Šú % » fvf fpfefB, Ì Ú ×, É, Á, ç, Ä, Í AŠe OLE DB fvf fofCf_, ì } fjj... fAfç, ð Ž Q Ä, μ, Ä, , ¾, ¾, ç B

[' I, Ì • Ò W] » Ý ' I' ð, ¾, è, Ä, ç, é fvf fpfefB, Ì [fvf fpfefB, Ì ' I, ð • Ò W] f_fCfAf fO f{fbfNfX, ð Š |, «, Ü, · B

f q f " f g • Ì X, ·, é fvf fpfefB, ð f_fuf fN fš f b f N, ·, é, Ä A [fvf fpfefB, Ì ' I, ð • Ò W] f_fCfAf fO f{fbfNfX, Š |, «, Ü, · B

Š Ö ~ A € - Ü

ff [f ^ f š f " f N f v f f p f e f B . Ä Ì < Ä , · , é

[fvf]fpfefB,ì'ì,ð•Ò[W] f_fCfAffo f{fbfNfX

[fvf]fpfefB,ì'ì,ð•Ò[W] f_fCfAffo f{fbfNfX,ðŽg—p,μ,Ä[A[.,x,Ä] f^fu,ÅCE»Y'ì'ð,³,è,Ä,ç,é OLE DB □
%Šú%»fvf]fpfefB,ð•Ò[W,μ,Û,·Bfvf]fpfefB,íAŽg—p,·,é OLE DB fvf]fofCf_,É,æ,Ä,Ä^Û,È,è,Û,·□B

'^Ó fvf]fofCf_,É“Á—L,ìfvf]fpfefB,ìÚ×,É,Ä,ç,Ä,íAŠe OLE DB fvf]fofCf_,ìf}fjf...
fAf<,ðŽQ[Æ,μ,Ä,,³/4,³,ç□B

f_fCfAffo f{fbfNfX,ÉŠÛ,Û,é,élfvfVf†f“

[fvf]fpfefB,ìà-¾] 'ì'ð,μ,½fvf]fpfefB,ìà-¾,ª•\Žì,³,è,Û,·□B

[fvf]fpfefB,ì'ì] —LCEø,È'ì,ð'ì'ð,Û,½,í“ü—í,μ,Û,·□B

[ì,ìŠfZfbfg] 'ì'ð,μ,½fvf]fpfefB,ì'ì,ð OLE DB fvf]fofCf_,ìŠù'è'ì,ÉY'è,μ,Û,·□B

ŠÖ~A€-Ú

ff[f^ fŠf“fN fvf]fpfefB,Å[<Æ,·,é

[.,x,Ä] f^fu[Aff[f^ fŠf“fN fvf]fpfefB,ìf_fCfAffo f{fbfNfX

[ff][f^ fŠf“fN ftf@fCf<,ì‘ì’ð] f_fCfAf□fo f{fbfNfX

[ff][f^ fŠf“fN ftf@fCf<,ì‘ì’ð] f_fCfAf□fo f{fbfNfX,ðŽg—p,μ,Ä□AŠù‘¶,ìff□[f^ fŠf“fN ftf@fCf< (.udl)
,ð‘ì’ð,·,é,©□A□V,μ,çff□[f^ fŠf“fN ftf@fCf<,ð□ì□—,μ,Û,·□B

fGfNfXfvf□□[f%o,ìfEfBf“fhfE,Ä□AŠù‘¶,ìff□[f^ fŠf“fN ftf@fCf< (.udl)
,ð·Ö□W□A□í□œ□A,Û,½,Í^Ú“@,·,é,©□A□V,μ,çff□[f^ fŠf“fN ftf@fCf<,ð□ì□—,μ,Û,·□B

f_fCfAf□fo f{fbfNfX,ÉŠÛ,Û,é,é|fvfvf†f“

[ff□[f^ f□[fX,ì□é□Š] fVfXfef€“à,ì,·,x,Ä,ìfhf%ofCfu,“ ,æ,ÑftfHf<f_,ðŽQ□Æ,Ä,«,Û,·□B

[1 ,Ä□ã,ìftfHf<f_,Ö] CE>□Ý,ìfZfbfvf†f“,Ä‘O,ÉfAfNfZfX,μ,Ä,ç,½ftfHf<f_,É^Ú“@,μ,Û,·□B

[□V,μ,çftfHf<f_,ì□ì□—] CE>□Ý,ìftfHf<f_“à,É□V,μ,çftfHf<f_,^a□ì□—,³,é,Û,·□B

ftf@fCf< fŠfXfg [ff□[f^ f□[fX,ì□é□Š] ,Ä‘ì’ð,³,é,Ä,ç,éfhf
%ofCfu,Û,½,ìftfHf<f_,ÉŠÛ,Û,é,éftf@fCf<,ÆftfHf<f_,^a·Ž!,³,é,Û,·□B

[^é—] ftf@fCf< fŠfXfg-¼,^aã,«,çfAfCfRf“,Ä·Ž!,³,é,Û,·□B

[□Ú□×] ftf@fCf<,ìftfCfY,â□Ä□ì□X□V“úŽž,È,Ç□Aftf@fCf<,ÉŠÖ,·,é‘Ç%oÁ□î·ñ,^a·Ž!,³,é,Û,·□B

[ftf@fCf<-¼] Š,ftf@fCf<,ì-¼‘O,ð“ü—í,·,é,©□Afhf%ofCfu,ðŽ!,·¶Žš (C:\,È,Ç) ,ð“ü—í,μ,Ä-Ú“ì,ìfhf
%ofCfu,É^Ú“@,μ,Û,·□B

[ftf@fCf<,ìŽí—p] ·Ž!,·,éftf@fCf<,ìŽí—p,^aé—·Ž!,³,é,Û,·□Bftf@fCf<,ìŽí—p,ðCEÀ‘è,μ□A-Ú“ì,ìŽí—
p,ì,Ý,ð·Ž!,·,é□é□‡,É·Ö—~,Ä,·□B

[Š,] ‘ì’ð,μ,½ftf@fCf<,^aŠ,«,Û,·□B,±,ìf|fvfvf†f“,ì□A[ff□[f^ fŠf“fN ftf@fCf<,ì‘ì’ð] f_fCfAf□fo
f{fbfNfX,Ä,ì,ÝŽg—p%oÄ“,Ä,·□B

ŠÖ~A□€-Ú

ff□[f^ fŠf“fN,ð□@—□,·,é

