

## **ff<sup>¶</sup>[f^ fSf“fN,É,Â,¢,Ä**

OLE DB ,©,cff<sup>¶</sup>[f^,ÉfAfNfZfX,·,é,É,íAŽŶ,í,æ,¤,ÈÚ‘±¶•ñ,ðŽw’è,·,é•K—v,¤, ,è,Ü,·B

í fAfNfZfX,·,éff<sup>¶</sup>[f^,íží—þ

í ff<sup>¶</sup>[f^,¤’¶Ý,·,éfT<sup>¶</sup>[fo<sup>¶</sup>[

í ff<sup>¶</sup>[f^,¤Ši”[.,³,é,Ä,¢,éff<sup>¶</sup>[f^fx<sup>¶</sup>[fX

,½,Æ,¡,íAMicrosoft SQL Server ff<sup>¶</sup>[f^fx<sup>¶</sup>[fX,ÉÚ‘±,·,é,É,íASQL Server ,í OLE DB  
fvf<sup>¶</sup>fofCf\_¤AfT<sup>¶</sup>[fo<sup>¶</sup>[f^¼A,“,æ,Ñff<sup>¶</sup>[f^fx<sup>¶</sup>[fX¼,ðŽw’è,·,é•K—v,¤, ,è,Ü,·B

”Ú‘±•¶Žš—ñ”,í,±,íÚ‘±¶•ñ,ð•¶Žš—ñ,À•\,μ,½,à,í,À, ,èA•Û’¶,μ,ÄfAfvfŠfP<sup>¶</sup>[fVf#f”,À¤Ä—~—  
p,À,«,Ü,·BÚ‘±•¶Žš—ñ,í,í,·,ð—v<,·,éft<sup>¶</sup>[fU<sup>¶</sup>[ fCf“f^¶[ftfFfCfX,íA"ff<sup>¶</sup>[f^ fSf“fN" f\_fCfAf<sup>¶</sup>fO  
f{fbfNfX,ÆŒÄ,í,é,Ü,·BÚ‘±•¶Žš—ñ,ðŽw’è,·,é,í,íAŽw’è,μ,½ OLE DB  
fvf<sup>¶</sup>fofCf\_,É,æ,Á,Ä^Ù,È,è,Ü,·B,Ü,½ Affd<sup>¶</sup>[f^ fSf“fN f\_fCfAf<sup>¶</sup>fO  
f{fbfNfX,ÉŠÜ,Ü,é,éfvfVf#f”,àAŽw’è,μ,½ OLE DB fvf<sup>¶</sup>fofCf\_,É,æ,Á,Ä^Ù,È,è,Ü,·B

í,·,μ,½Ú‘±•¶Žš—ñ,íAfAfvfŠfP<sup>¶</sup>[fVf#f” ff<sup>¶</sup>[f^,ÉŠÜ,B,À•Û’¶,À,«,Ü,·,¤AŠg’£Žq .udl  
,í•Èftf@fCf<,Æ,μ,Ä•Û’¶,·,é,±,Æ,à,À,«,Ü,·B,±,íftf@fCf<,íA"Microsoft ff<sup>¶</sup>[f^ fSf“fN" ftf@fCf< (.udl)  
,ÆŒÄ,í,é,Ü,·BftfAfvfŠfP<sup>¶</sup>[fVf#f” ff<sup>¶</sup>[f^,ÉŠÜ,B,À•Û’¶,·,é,©AfvfŠfP<sup>¶</sup>[f^ fSf“fN ftf@fCf< (.udl)  
,Æ,μ,Ä•Û’¶,·,é,©,íAŽg—p,·,éfAfvfŠfP<sup>¶</sup>[fVf#f”,í,í,É,æ,Á,Ä^Ù,È,è,Ü,·B

## **ŠÖ~A¤€-Ú**

OLE DB ff<sup>¶</sup>[f^ fvfofCf\_,É,Â,¢,Ä

ff<sup>¶</sup>[f^ fSf“fN,ð¶ì,·,é

ff<sup>¶</sup>[f^ fSf“fN fvfofCf\_,É,Â,¢,Ä

ff<sup>¶</sup>[f^ fSf“fN,ð¶®—,·,é

## **OLE DB ff[]f^ fvfofCf\_,É,Â,¢,Ä**

OLE DB ff[]f^ fvfofCf\_,íASQL Server ,Ü,½,í Oracle ff[]f^fx[]fx,È,Ç,]ff[]f^,É'î,·,éflfCfefBfu fAfNfZfX,ð‰"\",É,µ,Ü,·BOLE DB fvfofCf\_,ðŽg—p,·,é,ÆAFAfvfŠfP[]fVf#f“,ð'È,¶,ÄAfsfŒ[]fVf#f<sup>2</sup>f ff[]f^fx[]fx,ÉŒÀ,ç,,³,Ü,‘,Ü,Èff[]f^ fv[]fx,©,cff[]f^,ðŽæ“³/₄,“,æ,Ñ'€ì,·,é,±,Æ,³,Å,«,Ü,·Bff[]f^ fŠf“fN,ì]o]o→žž,ÉAžg—p,·,é OLE DB fvfofCf\_,ðŽw'è,µ,Ü,·B

,½,Æ,!,íAOLE DB fvfofCf\_,ðŽg—p,µ,Ä“dŽqf[]f<,Ü,½,íftf‰fbfg ftf@fCf< fVfXfef€ ,ÉfAfNfZfX,µAfff[]f^,ðfNf‰fCfAf“fg fAfvfŠfP[]fVf#f“,Å•ž!,·,é,±,Æ,³,Å,«,Ü,·BOLE DB ,Å,íAFAfvfŠfP[]fVf#f“,©,cff[]f^,ÉfAfNfZfX,·,éê]fAžg—p,µ,Ä,¢,éfAfvfŠfP[]fVf#f“,íff[]f^ fRf“fVf... []f},ÆŒÄ,î,é,Ü,·B

- Microsoft OLE DB Provider for Microsoft Jet
- OLE DB Provider for Oracle
- OLE DB Provider for SQL Server
- OLE DB Provider for ODBC

'Ó OLE DB fvfofCf\_,íÚ]x,É,Â,¢,Ä,íA]wOLE DB Programmer's Reference]x]A,Ü,½,íSefvffofCf\_,]f}fjf...fAf<,ðŽQ]Æ,µ,Ä,,³/₄,³,¢]B,±,]f}fjf...fAf<,íAMicrosoft Data Access SDK ,ÉŠÜ,Ü,é,Â,¢,Ü,·B

## **ff[f^ fSf“fN,ð]i]~,·,é**

fAfvfŠfP[fVf^f“,É,æ,Á,ÄAfff[f^ fSf“fN,ðAfvfŠfP[fVf^f“,É•Ü’¶,μ,½,èAŠg’fžq .udl ,a•t,¢ ,½•Èftf@fCf,Æ,μ,Ä•Ü’¶,·,é,±,Æ,²,Å,«,Ü,·B

fAfvfŠfP[fVf^f“,Åff[f^ fSf“fN,ð•Ü’¶,·,æ,Ñšç—,·,é,Æ,«,ÉAfff[f^ fSf“fN fvffffefB,if\_fCfAfO f{fbfNfX,²•\Z!,³,êA•K—v,É‰ž,¶,Ä]U’±•¶žš—ñ,í“ü—í,²—v<,³,ê,Ü,·B

fAfvfŠfP[fVf^f“,² .udl ftf@fCf,ðfTf|fg,·,é,è,íA]A‰,Éffff[f^ fSf“fN ftf@fCf (.udl) ,ð]i]~,·,μ,ÄAfff[f^ fSf“fN fvffffefB,if\_fCfAfO f{fbfNfX,Å]U’±•¶žš—ñ,ðfrf,sh,μ,Ü,·B]U’±•¶žš—ñ,íffff[f^ fSf“fN ftf@fCf (.udl) ,É•Ü’¶,³,é,Ü,·B]K—v,É‰ž,¶,Ä .udl ftf@fCf,í]i]~,ð—v<,·,éfvffff“fvfg,²•\Z!,³,ê,Ü,·,a]AWindows fGfNfXfvf]f‰,Äff[f^ fSf“fN,ð]i]~,·,é,±,Æ,à,Å,«,Ü,·B

**’^Ó** fAfvfŠfP[fVf^f“,² .udl ftf@fCf,ðfTf|fg,μ,È,¢,é,íA]fRf“fgf]f[f^ fpflf] ,Ü,½,íffffXfNfgfbfv,Å .udl ftf@fCf,ð]i]~,·,æ,Ñ•Ò]W,μ]A,Ü,©,ifAfvfŠfP[fVf^f“,Åžg—p,μ,½,è]A,Ü,©,íffff[f^ f,É’¹,·é,Ü’±,·ñ,íšç—,Éžg—p,·,é,±,Æ,²,Å,«,Ü,·B

## **Windows fGfNfXfvf]f‰,Äff[f^ fSf“fN ftf@fCf (.udl) ,ð]i]~,·,é,É,í**

- 1 fGfNfXfvf]f‰,ifEfBf“fhfE,í”C^Ó,í^É’u]A,Ü,½,íffffXfNfgfbfv,Åf}fEfX,í‰Ef{f^f“,ðfNfŠfbfN,μ]A[·V<K]i]~,ðf]fCf“fg,μ,Ä]A[Microsoft Data Link] ,ðfNfŠfbfN,μ,Ü,·BŒ»]Y,íffffBfŒfNfgfŠ,É]V<K,íffff[f^ fSf“fN ftf@fCf (.udl) ,a]i]~,³,ê,Ü,·B
- 2 ð]i]~,·,μ,½ftf@fCf,ðf}fEfX,í‰Ef{f^f“,ÅfNfŠfbfN,μ]A[fvffffefB] ,ðfNfŠfbfN,μ,Ü,·B
- 3 ff[f^ fSf“fN fvffffefB,if\_fCfAfO f{fbfNfX,Å]Afff[f^ fSf“fN,ífvffffefB,ð]Y’è,μ,Ü,·B ftf@fCf,ðf}fEfX,í‰Ef{f^f“,ÅfNfŠfbfN,μ]A[-¹/⁴’O,í•i]X] ,ðfNfŠfbfN,μ,Ä]Aftf@fCf-¹/⁴,ð•i]X,·,é,±,Æ,à,Å,«,Ü,·B

## **ŠÖ~A]€-Ú**

ff[f^ fSf“fN fvffffefB,Å]i]~,Æ,·,é

ff[f^ fSf“fN,ð]®—,·,é

## **ff<sup>o</sup>[f^ fŠf“fN fvfofpfefB, Åì·æ, ·, é**

ff<sup>o</sup>[f^ fŠf“fN fvfofpfefB, ìf\_fCfAf<sup>o</sup>fO f{fbfNfX, ðžg—p, µ, Ä AOLE DB fvfofCf\_, ì%ošú %o»fvfofpfefB, ðžw’è, µ, Ü, ·B, ±, ±, ÅÝ’è, , éfvfofpfefB, íAÚ±•¶žš—ñ, æ, µ, ÄfAfvŠfP<sup>o</sup>[fVf<sup>o</sup>] ff<sup>o</sup>[f^ , É•Ú’¶, ^, è, é, ©A.udl ftf@fCf<, É•Ú’¶, ^, è, Ü, ·Bff<sup>o</sup>[f^ fŠf“fN fvfofpfefB, í OLE DB , È, æ, Á, Ä^Ù, È, è, Ü, ·B

## **OLE DB fvfofCf\_, ìÚ‘±fvfofpfefB, ðÝ’è, ·, é**

ff<sup>o</sup>[f^ fŠf“fN, ìÚ‘±fvfofpfefB, íAžg—p, ·, é OLE DB fvfofCf\_, È, æ, Á, Ä^Ù, È, è, Ü, ·B Ú‘±fvfofpfefB, Å, íAff<sup>o</sup>[f^ , ìéoš, , æ, ñff<sup>o</sup>[f^ , ÉÚ‘±, ·, é•ù-@, ðžw’è, µ, Ü, ·B

ff<sup>o</sup>[f^ fŠf“fN fvfofpfefB, ìf\_fCfAf<sup>o</sup>fO f{fbfNfX, ì [Ú‘±] f^ fu, ífvfofCf\_CEÅ—L, ì, à, ì, ÅA’l’ð, µ, ½ OLE DB fvfofCf\_, É•K—v, ÈÚ‘±fvfofpfefB, ì, Ý, ^, è, Ü, ·B

ff<sup>o</sup>[f^ fAfNfZfX Rf“f|f|fg, ÉŠÜ, Ü, è, Ä, ç, È, cfvfofCf\_, ðžg—p, ·, ééo‡, íA”Ä—p, ìf\_fCfAf<sup>o</sup>fO f{fbfNfX, ÅÚ‘±fvfofpfefB, ðÝ’è, Å, «, Ü, ·B

## **OLE DB fvfofCf\_, Åžg—p, Å, «, é%ošú%o»fvfofpfefB, ð•ž, ·, é**

žg—p, ·, é OLE DB fvfofCf\_, ÄfTf|fg, ^, è, é, ·, x, Ä, ì%ošú%o»fvfofpfefB, ð•ž, ·, é, É, íAff<sup>o</sup>[f^ fŠf“fN fvfofpfefB, ìf\_fCfAf<sup>o</sup>fO f{fbfNfX, ì [·, x, Ä] f^ fu, ðžg—p, µ, Ü, ·B, ±, ìf^ fu, íAvfvfofCf\_CEÅ—L, ì%ošú %o»fvfofpfefB, ðÝ’è, ·, ééo‡, É•ö—~, Å, ·B

## **Ú‘±•¶žš—ñ, ÈfAfNfZfX, µ, Ä•òW, ·, é**

žg—p, ·, éfAfvŠfP<sup>o</sup>[fVf<sup>o</sup>“, ^ff<sup>o</sup>[f^ fŠf“fN ftf@fCf< (.udl), ðfTf| ff<sup>o</sup>[fg, ·, è, é, ·, x, Ä, ì%ošú%o»fvfofpfefB, ìf\_fCfAf<sup>o</sup>fO f{fbfNfX, ÉžfAfNfZfX, Å, «, Ü, ·BfAfNfZfX, Å, «, È, ç, ì, YfAfNfZfX, Å, «, Ü, ·B ’ò^Ó fAfvŠfP<sup>o</sup>[fVf<sup>o</sup>“, ^ .udl ftf@fCf<, ðfTf|fg, µ, È, ç, èo‡, Å, àÅA[fRf“fgf<sup>o</sup>[f< fpflf< ], Ü, ½, íffXfNfgfbfv, Å .udl ftf@fCf<, ðòì~ , , æ, ñ•òW, µÅA, Ü, , ìfAfvŠfP<sup>o</sup>[fVf<sup>o</sup>“, Åžg— p, µ, ½, èÅA, Ü, , ìff<sup>o</sup>[f^ , É’í, ·, éÚ‘±ò•ñ, ìSç—, Èžg—p, ·, è, ±, AE, ^, Ü, ·B

## **Windows GfNfXfvfo[fo%, Äff<sup>o</sup>[f^ fŠf“fN fvfofpfefB, ð•òW, ·, é, È, í**

1 GfNfXfvfo[fo%, Ü, ½, íffXfNfgfbfv, ÅÅA.udl ftf@fCf<, ðf}fEf{f^ f“, ÄfNfŠfbN, µÅA[fvfofpfefB] , ðfNfŠfbN, µ, Ü, ·B

2 ff<sup>o</sup>[f^ fŠf“fN fvfofpfefB, ìf\_fCfAf<sup>o</sup>fO f{fbfNfX, ÅÅAff<sup>o</sup>[f^ fŠf“fN fvfofpfefB, ð•òX, µ, Ü, ·B

## **ŠÖ~A€-Ú**

ff<sup>o</sup>[f^ fŠf“fN, È, Ä, ç, Ä

[Ú‘±] f^ fuAff<sup>o</sup>[f^ fŠf“fN fvfofpfefB, ìf\_fCfAf<sup>o</sup>fO f{fbfNfX

[Ú×Ý’è] f^ fuAff<sup>o</sup>[f^ fŠf“fN fvfofpfefB, ìf\_fCfAf<sup>o</sup>fO f{fbfNfX

[·, x, Ä] f^ fuAff<sup>o</sup>[f^ fŠf“fN fvfofpfefB, ìf\_fCfAf<sup>o</sup>fO f{fbfNfX

[fvfofpfefB, ìI, ð•òW] f\_fCfAf<sup>o</sup>fO f{fbfNfX

## **ff[f^ fSf“fN,ð®—,·,é**

□ V,μ,¢ffÙ[f^ fX,]žæ“³/4A,Ù,©,]ffÙ[f^ fX,]fAf bfvfOfCEÙ[fhÙA,·,æ,ÑŒÃ,¢ffÙ[f^ fX,]fX,]íœ,É”º,¢AfffÙ[f^ ,ÉÚ‘±,·,éffÙ[f^ fSf“fN,ðSÈ’P,É^ ÚZÙ,·,é,·,Æ,·,Å,·,B.udl ftf@fCf<,ðTf|Ù[fg,·,éfAf v fSfPÙ[fVf#“,Å,íA.udl ftf@fCf<,íÚ‘±Ù•ñ,ðXÙV,·,é,·,ÅÙ<Æ,·,S®—<sup>1</sup>,μ,Ü,·,BÙXÙV,μ,·,B.udl ftf@fCf<,ðZQÙÆ,·,éfAf v fSfPÙ[fVf#“,íA’·,·,é,·,ÅÙV,]ffÙ[f^ fX,]fX,ÉfAf NfZfX,μ,Ü,·,B

**ffÙ[f^ fSf“fN ftf@fCf<,ð®—,·,é,Ù,É,ÅfGfNfXfvfÙÙ[f%o,]fEfBf“fhfE,ÅŽÙ,ì,æ,·,Éši-{“I,Éftf@fCf<Šç—,·,·,Æ,·,ÅÙÙs,Å,·,Ü,·,B**

- ffÙ[f^ fSf“fN ftf@fCf< (.udl) ,ðÙÙ—,·,é,ÙB
- Šù’¶,]ffÙ[f^ fSf“fN ftf@fCf< (.udl) ,]fvfÙfpfefB,ð•ÙW,·,é,ÙB
- ffÙ[f^ fSf“fN ftf@fCf< (.udl) ,ðÙÙœ,·,é,ÙB
- ffÙ[f^ fSf“fN ftf@fCf< (.udl) ,ðfRfsÙ[,μÙA·,·,é,·,ÅÙÙ—,·,é,ÙB

## **ffÙ[f^ fSf“fN ftf@fCf< (.udl) ,ðÙÙ—,·,é,É,í**

□ fGfNfXfvfÙÙ[f%o,]fEfBf“fhfE,ÅÙAftf@fCf< fSfXfg“à,ì,C^ Ó,ì,·,Åf}fEfX,ì%oEf{f^ f“,ÅfNfSfbfN,μÙA[fvfÙfpfefB],ðfNfSfbfN,μ,ÅÙAftf@fCf<,ð•ÙW,μ,Ü,·,B

## **ffÙ[f^ fSf“fN ftf@fCf< (.udl) ,ð•ÙW,·,é,É,í**

□ fGfNfXfvfÙÙ[f%o,]fEfBf“fhfE,ÅÙAftfÙ[f^ fSf“fN ftf@fCf<,ðf}fEfX,ì%oEf{f^ f“,ÅfNfSfbfN,μÙA[fvfÙfpfefB],ðfNfSfbfN,μ,ÅÙAftf@fCf<,ðÙÙœ,μ,Ü,·,B

## **ffÙ[f^ fSf“fN ftf@fCf< (.udl) ,ðÙÙœ,·,é,É,í**

□ fGfNfXfvfÙÙ[f%o,]fEfBf“fhfE,ÅÙAftfÙ[f^ fSf“fN ftf@fCf<,ðf}fEfX,ì%oEf{f^ f“,ÅfNfSfbfN,μÙA[fvfÙfpfefB],ðfNfSfbfN,μ,ÅÙAftf@fCf<,ðÙÙœ,μ,Ü,·,B

## **ffÙ[f^ fSf“fN ftf@fCf< (.udl) ,ð^ Ú“®,·,é,É,í**

□ fGfNfXfvfÙÙ[f%o,]fEfBf“fhfE,ÅÙAftfÙ[f^ fSf“fN ftf@fCf<,ðf}fEfX,ì%oEf{f^ f“,ÅfNfSfbfN,μÙA-Ú“I,]ftfHf< f\_,É“·,·,Ü,·,B  
'Ù^ Ó [ffÙ[f^ fSf“fN ftf@fCf<,]’Ù’Ù f fCfAfÙfO f ffbfNfX,ðZg—p,μ,ÅffÙ[f^ fSf“fN,ðÙÙ—,·,é,·,±,·,Æ,·,Å,·,Ü,·,B

**[fvf]fofCf\_] f^fu[Aff][f^ fŠf“fN fvf]fpfefB,lf\_fCfAf]fO f{fbfNfX**

[fvf]fofCf\_] f^fu,ðŽg—p,μ,Ä AfAfNfZfX,·,éff[f^,iží—þ,É'î,μ,Ä“K]Ø,È OLE DB  
fvf]fofCf\_,ð'l'ð,μ,Ü,·]B,¢,,Â,©,lAfVfŠfP[fVf]f“,Â,iAfVf]fofCf\_,ðŽw'è,μ,½,è]AŒ»]Y,ì'l'ð,ð•]X,·,é,±,  
,Æ,í,Â,«,Ü,¹,ñ]B,±,if^fu,iAfAfVfŠfP[fVf]f“,Â OLE DB fvf]fofCf\_,i]Y'è,ð•]X,Â,«,é]ê]‡,É,í,Y•\  
Ž,!,³,ê,Ü,·]B

**f^fu,ÉŠÜ,Ü,ê,éflfvfVf]f“**

**[OLE DB fvf]fofCf\_] fŠfXfg** fn][fh fffBfXfN]ä,ÂŒ]o,³,ê,½,·,×,Ä,ì OLE DB fvf]fofCf\_,³,ê——•\  
Ž,!,³,ê,Ü,·]B

**[ŽY,Ö]** 'l'ð,μ,½ OLE DB fvf]fofCf\_,ì []U'±] f^fu,É^U“®,μ,Ü,·]B

**ŠÖ~A]€-Ú**

fff[f^ fŠf“fN fvf]fpfefB,Â]çÆ,·,é

## **[Ú'±] f^fu[Aff][f^ fSf“fN fvf]fpfefB,if\_fCfAf]fO f{fbfNfX**

[Ú'±] f^fu,ðŽg—p,μ,Ä AMicrosoft ff[f^ fAfNfZfX fRf“f|]flf“fg,ÉŠÜ,Ü,ê,Ä,ç,È,¢ OLE DB fvfofCf\_,ðŽg,¤é‡,ìff[f^ ,Ö,ìÚ'±•û-@,ðŽw’è,μ,Ü,·B

### **f^fu,ÉŠÜ,Ü,ê,éf]fvfVf]f“**

1 ff[f^ fX,Aeff][f^ ,ìé‡,ð“ü—í,μ,Ü,·B

**[ff[f^ f]fX]** fAfNfZfX,,éff[f^ fX,ì-½'Ô,ð“ü—í,μ,Ü,·B'È]íAft[fo[-½,aŽg—p,³,ê,Ü,·B

**[é‡S]** fAfNfZfX,·,éff[f^ fX,ìé‡,ð“ü—í,μ,Ü,·B'È]íAft[fo[f^ fx]fX-½,aŽg—p,³,ê,Ü,·B

2 fT[fo[.Ö,ìf]fOf]f“,É•K—v,È]í•ñ,ð“ü—í,μ,Ü,·B

**[Windows NT ,ì“‡ZfLf...fSfefB,ðŽg—p,·,é]** "F]ØfT[f]fX,ðŽg—p,μ,Äft[fU][,ðŽ-•È,·é‡,É'íð,μ,Ü,·B

,±,ì@"\,ðŽg—p,·,é,Í'A'l'ð,μ,½ OLE DB fvfofCf\_,a" F]ØfT[f]fX,ðfTf]flf,μAft[fU][,Éff[f^ fX,Ä" F]ØfT[f]fX,ðŽg—p,·,éŒ ÇÈ,a-^,!,ç,ê,Ä,ç,é•K—v,³,·,é,Ü,·B

**[“Á’è,ìft[fU[-½,aEf]pfXf]f[fh,ðŽg—p,·,é]** •ž!,³,ê,½-½'Ô,Äf]pfXf]f[fh,ðŽg—p,μ,Ä]Aft[f^ fX,Ö,ìf]fOf]f“,ð" F]Ø,·,é‡,É'íð,μ,Ü,·B

**[f]f[fU[-½]** ff[f^ fX,Ö,ìf]fOf]f“" F]Ø,ÉŽg—p,·,éf]f[fU][ ID ,ð“ü—í,μ,Ü,·B

**[f]pfXf]f[fh]** ff[f^ fX,Ö,ìf]fOf]f“" F]Ø,ÉŽg—p,·,éf]pfXf]f[fh,ð“ü—í,μ,Ü,·B

**[f]pfXf]f[fh,ð<ó,É,·,é]** žw’è,³,ê,½fvfofCf\_,íA]Ú'±•¶žš—ñ,í't,É<ó",íf]pfXf]f[fh,ðŠÜ,ß,Ä•Ô,·,±,Ä,³,Ü,·B

**[f]pfXf]f[fh,ð•Û'¶,·,é]** f]pfXf]f[fh,ð]Ú'±•¶žš—ñ,ÉŠÜ,ß,Ä•Û'¶,·,é,±,Ä,³,Å,«,Ü,·Bf]pfXf]f[fh,ä]Ú'±•¶žš—ñ,ÉŠÜ,Ü,ê,é,©,Ç,¤,©,Í'AÇÄ,Ñ]o,μ,ð]s,¤fAf]fvf]fP]fVf]f“,ì@"\,É,æ,Ä,Ä^Ù,è,Ü,·B

**[Û'Ó** •Û'¶,³,ê,½f]pfXf]f[fh,í•Ô,³,ê]Aftf]f,f^,a" K—p,³,ê,Ä,ç,È,¢]ó'Ô,·,æ,Ñ^Ä]t%o»,³,ê,Ä,ç,È,¢]ó'Ô,Ä•Û'¶,³,ê,Ü,·B

3 žg—p,·,é‰‰šúf]f^f]fO,ð“ü—í,μ,Ü,·B

fAfNfZfX,·,éff[f^ fx]fX,ð“ü—í,μ,Ü,·B

**[Ú'±,ìfefXfg]** žw’è,μ,½ff[f^ fX,Ö,ìÚ'±,ðfefXfg,·,é‡,ÉfNf]SfbfN,μ,Ü,·B

Ú'±,äŽ,"s,μ,½é‡,íA]Ý'è,ä³,μ,ç,±,Ä,ðŠm" F,μ,Ä,-,³,ç,¢B,½,Ä,!,íA]éžš]A'a•¶žš,Ä]→•¶žš,íá,ç,È,Ç,äŒ`^ö,Ä]Ú'±,äŽ,"s,·,é‡,ä,·,é,Ü,·B

### **ŠÖ~A]€-Ú**

ff[f^ fSf“fN fvf]fpfefB,Ä]í•Ä,·é

**[Ú'±] f^fu (SQL Server)**

**[Ú'±] f^fu (Jet)**

**[Ú'±] f^fu (Oracle)**

**[Ú'±] f^fu (ODBC)**

## [Ú'±] f^fu (SQL Server) Aff[f^fx^fSf“fN fvfpfefB,]f\_fCfAf]fO f{fbfNfX

[Ú'±] f^fu, ðžg—p, μ, Ä Microsoft SQL Server ff[f^, É'±, ., é•ù—@, ðžw'è, μ, Ü, ·]B

### f^fu, ÉŠÜ, Ü, ê, éf!fvfVftf“

1 fT[fo[-½, ð'l'ð, Ü, ½, í"ü—í, μ, Ü, ·]B

fAfNfZfX, , eff[f^fx[fX, a'¶Y, , éfT[fo[. ð"ü—í, μ, Ü, ·]B

2 fT[fo[. Ö, ]f[fOfif“, É•K—v, È]•ñ, ð"ü—í, μ, Ü, ·]B

**[Windows NT, ]“ffZfLf...fSfefB, ðžg—p, ·, é]** "FØfT[frfX, ðžg—  
p, μ, Äft[fU[. ðž•È, ·é]•‡, É'l'ð, μ, Ü, ·]B

, ±, ï@"\, ðžg—p, ., é, É, íA'l'ð, μ, ½ OLE DB fvfpofCf\_, a" FØfT[frfX, ðžtfl][fg, μAft[fU[. Éff[f^ f  
ff[X, Ä" FØfT[frfX, ðžg—p, ., é]•ŒÀ, a—^, l, c, ê, Ä, ¢, é•K—v, a, , è, Ü, ·]B

[“Á’è, ]f[fU[-½, AfpfXf][fh, ðžg—p, ·, é] •žl, ^, ê, ½-½'Ô, AfpfXf][fh, ðžg—p, μ, Ä]Aff[f^  
f][fX, Ö, ]f[fOfif“, ð" FØ, ·é]•‡, É'l'ð, μ, Ü, ·]B

[ff][fU[-½] ff[f^ f][fX, Ö, ]f[fOfif“" FØ, Éžg—p, ., éffpfXf][fh, ð"ü—í, μ, Ü, ·]B

[fpfXf][fh, ð<ó, É, ·, é] žw'è, ^, ê, ½fvfpofCf\_, íAÚ'±•¶žš—  
ñ, l't, É<ó", ]fpfXf][fh, ðŠÜ, ß, Ä•Ô, ·, ±, ¢, a, , è, Ü, ·]B

[fpfXf][fh, ð•Û'¶, ·, é] fpfXf][fh, ð]Ú'±•¶žš—ñ, ÉŠÜ, ß, Ä•Û'¶, ·, é, ±  
, ¢, a, Ä, , , Ü, ·]BfpfXf][fh, a]Ú'±•¶žš—ñ, ÉŠÜ, Ü, ê, é, ©, C, ¢  
, ©, íAŒÄ, Ñ]o, μ, ð]s, xAfvfSfp][fvf][, i@"\, É, æ, Ä, Ä^Ü, È, è, Ü, ·]B

'Û^Ó •Û'¶, ^, ê, ½fpfXf][fh, l•Ô, ^, ê]AftfBf:f^, a"K—p, ^, ê, Ä, ¢]ó'Ô, ^, æ, Ñ]Ã]t%o», ^, ê, Ä, ¢  
, È, ¢]ó'Ô, Ä•Û'¶, ^, ê, Ü, ·]B

3 fT[fo[. ä, ]ff[f^fx[fX, ð'l'ð, μ, Ü, ·]B

fAfNfZfX, , eff[f^fx[fX, ð"ü—í, μ, Ü, ·]B

- , Ü, ½, í -

### ff[f^fx[fX-½, Af, μ, Ä SQL ff[f^fx[fX ftf@fCf<, ð"Y•t, ·, é

"Y•t, μ, ½ SQL ff[f^fx[fX ftf@fCf<, Éžg—p, ., éff[f^fx[fX-½, ð"ü—í, μ, Ü, ·]B

'Û^Ó , ±, i@"\, ðžg—p, ·, é, É, í SQL Server 7.0 , a•K—v, Ä, ·]B

### ftf@fCf<-½, ðžg—p, ·, é

'P^éftf@fCf< ff[f^fx[fX ftf@fCf<, l-½'Ô, ð"ü—í, μ, Ü, ·]Bftf@fCf<, ðžQ]Æ, ·, é, É, íA[ZQ]Æ  
, ðfNfSfbfN, μ, Ü, ·]B

[Ú'±, ]fefXfg] žw'è, μ, ½ff[f^ f][fX, Ö, i]Ú'±, ðfefXfg, ., é]•‡, ÉfNfSfbfN, μ, Ü, ·]B

Ú'±, ^, s, μ, ½]•‡, íA]Y'è, ^, ^, μ, ¢, ±, ¢, ðŠm" F, μ, Ä, -  
, ^, ^, ¢]B, ½, ¢, l, i]AŒežš]A'å•¶žš, ¢]→•¶žš, l^á, ¢, È, C, a]Œ ^ö, Ä]Ú'±, ^, s, , é]•‡, a, , è, Ü, ·]B

### ŠÖ~A]€-Ú

ff[f^ fSf" fN fvfpfefB, Ä]•‡, ¢, é

**[Ú'±] f^fu (Jet) A ff[f^ f^ fSf" fN fv ffpfefB, lf\_fCfAfO f{fbfNfX**

[Ú'±] f^fu, ðžg—p, μ, Ä AMicrosoft Access ff[f^, ÉÚ'±, ·, é•ù-@, ðžw'è, μ, Ü, · B

**f^fu, ÉŠÜ, Ü, ê, éfIfvfVftf"**

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

AfNfZfX, ·, é Microsoft Access ff[f^fx[fX ftf@fCf<sup>(.mdb)</sup>, l-¼' O, ð"ü—í, μ, Ü, · Bftf@fCf<sup><</sup>, ðžQÆ, ·, É, íA[ŽQÆ], ðfNfŠfbfN, μ, Ü, · B

2 ff[f^fx[fX, Ö, lfOfIj", É•K—v, È↑•ñ, ð"ü—í, μ, Ü, · B

**[ft][fU[-¼]** ff[f^ f[fX, Ö, lfOfIj" FØ, Éžg—p, ·, éft[fU[ ID, ð"ü—í, μ, Ü, · B

**[fpfXf][fh]** ff[f^ f[fX, Ö, lfOfIj" FØ, Éžg—p, ·, éfpfXf[fh, ð"ü—í, μ, Ü, · B

**[fpfXf][fh, ð<ó, É, ·, é]** žw'è, <sup>3</sup>, ê, <sup>1</sup>/zfvf foCf\_, íAÚ'±•¶žš—ñ, l't, É<ó", fpfXf[fh, ðŠÜ, ß, Ä•Ö, ·, ±, AE, <sup>a</sup>, Å, «, Ü, · BfpfXf[fh, <sup>a</sup>Ú'±•¶žš—ñ, ÉŠÜ, Ü, ê, é, ©, Ç, »

**[fpfXf][fh, ð•Û'¶, ·, é]** fpfXf[fh, ðÚ'±•¶žš—ñ, ÉŠÜ, ß, Ä•Û'¶, ·, é, ±, AE, <sup>a</sup>, Å, «, Ü, · BfpfXf[fh, <sup>a</sup>Ú'±•¶žš—ñ, ÉŠÜ, Ü, ê, é, ©, Ç, »

**[Ú'±, lfefXfg]** žw'è, μ, <sup>1</sup>/zff[f^ f[fX, Ö, lÚ'±, ðfefXfg, ·, éê‡, ÉfNfŠfbfN, μ, Ü, · B

Ú'±, <sup>a</sup>Z, "s, μ, <sup>1</sup>/zê‡, íAÝ'è, <sup>a</sup>³, μ, ¢, ±, AE, ðŠm" F, μ, Ä, -  
¾, <sup>3</sup>, ¢ B, <sup>1</sup>/<sub>2</sub>, AE, l, íAŒëžšA'å•¶žš, AE→•¶žš, l'á, ¢, È, Ç, <sup>a</sup>CÉ ö, ÄÚ'±, <sup>a</sup>Z, "s, ·, éê‡, <sup>a</sup>, , è, Ü, · B

**ŠÖ~AŒ-Ú**

ff[f^ fSf" fN fv ffpfefB, ÄŒAE, ·, é

[U+±] f^fu (Oracle) \Aff[f^ fSf“fN fv\fpfefB,if\_fCfAf\fO f{fbfNfX

[ÙÚ'±] f^fu,ðŽg—p,μ,ÄÙAOracle ffÙ[f^,ÉÙÚ'±,·,é•û-@,ðŽw'è,μ,Ü,·ÙB

f^fu,ÉŠÜ,Ü,ê,éfIfvfVf#f“

- 1**  $fT[ffo[-\frac{1}{4}, \delta]\ddot{u} - \dot{i}, \mu, \ddot{U}, \cdot]B$   
 $fAfNfZfX, \cdot, eff[f^fx[fX, \ddot{\mu}\ddot{Y}, \cdot, \acute{e}fT[fo[], \delta]\ddot{u} - \dot{i}, \mu, \ddot{U}, \cdot]B$

**2**  $fT[fo[], \ddot{O}, f^fOfif'', \acute{E}\bullet K - v, \acute{E}\ddot{O}\dot{i}\bullet \ddot{n}, \delta]\ddot{u} - \dot{i}, \mu, \ddot{U}, \cdot]B$   
**[ff[fU[-\frac{1}{4}]]**  $ff[f^f \wedge f^f[fX, \ddot{O}, f^fOfif'']F\ddot{\emptyset}, \acute{E}\ddot{z}g - p, \cdot, \acute{e}ft[fU[] ID, \delta]\ddot{u} - \dot{i}, \mu, \ddot{U}, \cdot]B$   
**[fpfXf[]fh]**  $fpfXf[]fh, \ddot{O}, f^fOfif'']F\ddot{\emptyset}, \acute{E}\ddot{z}g - p, \cdot, \acute{e}fpfXf[]fh, \delta]\ddot{u} - \dot{i}, \mu, \ddot{U}, \cdot]B$   
**[fpfXf[]fh, \ddot{o}, \acute{E}, \cdot, \acute{e}]**  $\acute{z}w'\dot{e}, ^3, \dot{e}, \frac{1}{2}fvf[fofCf_, \ddot{I}A\ddot{U}'\pm\bullet\ddot{P}\ddot{Z}\ddot{S} - \ddot{n}, \dot{l}\dot{i}\dot{t}, \acute{E}\dot{o}'', fpfXf[]fh, \ddot{O}\ddot{S}\ddot{U}, \ddot{B}, \ddot{A}\bullet\ddot{O}, \cdot, \pm, \ddot{A}, ^a, \ddot{A}, \ll, \ddot{U}, \cdot]B$   
**[fpfXf[]fh, \ddot{O}'\ddot{U}'\ddot{I}, \cdot, \acute{e}]**  $fpfXf[]fh, \ddot{O}\ddot{U}'\pm\bullet\ddot{P}\ddot{Z}\ddot{S} - \ddot{n}, \acute{E}\ddot{S}\ddot{U}, \ddot{B}, \ddot{A}\bullet\ddot{U}'\ddot{I}, \cdot, \acute{e}, \pm, \ddot{A}, ^a, \ddot{A}, \ll, \ddot{U}, \cdot BfpfXf[]fh, \ddot{a}\ddot{U}'\pm\bullet\ddot{P}\ddot{Z}\ddot{S} - \ddot{n}, \acute{E}\ddot{S}\ddot{U}, \ddot{U}, \acute{e}, \acute{e}, \circ, \ddot{C}, \ddot{x}, \circ, \ddot{I}A\ddot{C}\ddot{E}\ddot{A}, \ddot{N}\ddot{o}, \mu, \ddot{O}s, xfAfVfSfP[fVf], \dot{l}\dot{<}@\dot{v}, \acute{E}, \acute{a}, \acute{A}, \dot{\ddot{U}}, \dot{\ddot{E}}, \dot{\ddot{e}}, \dot{\ddot{U}}, \cdot B$   
**'\ddot{O}'\ddot{O}**  $\bullet\ddot{U}'\ddot{I}, ^3, \dot{e}, \frac{1}{2}fpfXf[]fh, \dot{l}\dot{i}\dot{O}, ^3, \dot{e}\ddot{A}ftfBf[f^f, \ddot{a}"K - p, ^3, \dot{e}, \ddot{A}, \ddot{c}, \dot{\acute{E}}, \ddot{c}\ddot{O}'\ddot{O}, ^", \acute{a}, \ddot{N}\ddot{A}\ddot{T}\ddot{\%}\ddot{o}, ^3, \dot{e}, \ddot{A}, \ddot{c}, \dot{\acute{E}}, \ddot{c}\ddot{O}'\ddot{O}, \ddot{A}\bullet\ddot{U}'\ddot{I}, ^3, \dot{e}, \ddot{U}, \cdot B$   
**[U\ddot{U}'\pm, ifefXfg]**  $\acute{z}w'\dot{e}, \mu, \frac{1}{2}ff[f^f \wedge f^f[fX, \ddot{O}, f^f\ddot{U}'\pm, \acute{d}fefXfg, \cdot, \acute{e}\ddot{e}\ddot{f}\ddot{f}, \acute{E}fNfSfbfN, \mu, \ddot{U}, \cdot]B$

Ú'±, až, "s, μ, ½, ½, ē, f, í, A, Ý'è, a, ³, μ, c, ±, AE, ð, Sm'F, μ, Ä, -  
¾, ³, c, B, ½, AE, i, í, A, C, Ě, Ž, š, A, á, ¶, Ž, š, AE, →, ¶, Ž, š, l, á, c, È, C, a, C, ö, Å, Ú'±, až, "s, , é, ē, f, a, , è, Ü, ·, B

ŠÖ~A€-Ú

ff□f f^ fŠf“fN fv f□fpf efB, Å□ì<Æ, ., é

## [**Ú'±**] f^fu (ODBC) Afff[f^ fSf"fn fvf]fpfefB,if\_fCfAf]fO f{fbfNfX

[**Ú'±**] f^fu, ðžg—p, μ, Ä AODBC ff[f^, É'±, ., é•ü—@, ðžw'è, μ, Ü, · B

### f^fu, ÉšÜ, Ü, ê, éf]fvfVf]f"

1 ff[f^ f[X, ðžw'è, μ, Ü, · B

[ff[f^ f[X-¼, ðžg—p, ., é] fAfNfZfX, ., é ODBC ff[f^ f[X-¼ (DSN), ð'l'ð, Ü, ½, í"ü—í, μ, Ü, · B

[**Ú'±•¶žš—ñ, ðžg—p, ., é]** Šù'¶, i DSN, ðžg—p, ., é, i, Å, i, È, Ä AODBC Ú'±•¶žš—ñ, ð"ü—í, Ü, ½, í, Ä, «, Ü, · B

[**Ú'±•¶žš—ñ**] - ODBC Ú'±•¶žš—ñ, ð"ü—í, μ, Ü, · B

[**frf]fh**] - ODBC, i [ff[f^ f[X, ð'l'ð] f\_fCfAf]fO f{fbfNfX, aŠJ, «, Ü, · B ff[f^ f[X, ð'l'ð, ., é, Ä Afff[f^ f[X, ð'ü'±•¶žš—ñ, a•Ô, ^, ê A Ú'±•¶žš—ñfGfffBfbfg fRf"fgf]ff[f<, É'g, Y]ž, Ü, ê, Ü, · B

ftf@fCf< ff[f^ f[X, ð'l'ð, μ, ½ê#ADSN, i ODBC Ú'±•¶žš—ñ, ÉšÜ, Ü, ê, Ü, ^, n BODBC Ú'±•¶žš—ñ, ifff[f^ fSf"fn ftf@fCf< (.udl), Å•Üž, ^, ê A' l'ð, μ, ½ftf@fCf< ff[f^ f[X, É, ^, E'¶, μ, Ü, ^, n B

fRf"fsf... ff[f^ ff[f^ f[X, ð'l'ð, μ, ½ê#f, i AODBC Ú'±•¶žš—ñ, i DSN fx[f[X, É, È, è, Ü, · BODBC Ú'±•¶žš—ñ, i A' l'ð, μ, ½fRf"fsf... ff[f^ ff[f^ f[X, ðžQ]Æ, μ, Ü, · B • È, ifvfXfefé , ift]fU]f, ^ff[f^ fSf"fn ftf@fCf< (.udl), ÉfAfNfZfX, ., é, É, i, Å, », ift]fU]f, ifRf"fsf... ff[f^ ff[f^ f[X, ^fCf"fxfg]ff<, ^, ê, Ä, ç, é•K—v, ^, è, Ü, · B

2 fT[fo][, Ö, if]fOf]f", É•K—v, È]í•ñ, ð"ü—í, μ, Ü, · B

[**ft]fU[-½]**] ff[f^ f[X, Ö, if]fOf]f" FØ, Éžg—p, ., éft]fU]f ID, ð"ü—í, μ, Ü, · B

[**fpfxf]ffh**] ff[f^ f[X, Ö, if]fOf]f" FØ, Éžg—p, ., éfpfxf]ffh, ð"ü—í, μ, Ü, · B

[**fpfxf]ffh, ð<ó, É, ., é**] žw'è, ^, ê, ½fvf]f of Cf, i A Ú'±•¶žš—ñ, i' t, É<ó", ifpfXf]ffh, ðšÜ, B, Ä•Ô, ., ±, Ä, «, Ü, · B

[**fpfxf]ffh, ð•Ú'¶, ., é**] fpfxf]ffh, ð Ú'±•¶žš—ñ, ÉšÜ, B, Ä•Ú'¶, ., é, ±, Ä, ^, Å, «, Ü, · B fpfxf]ffh, ^, Ü'±•¶žš—ñ, ÉšÜ, Ü, ê, é, ©, Ç, x, ©, i A C E Ä, N o, μ, ð s, x Afvf]fP]fVf]f", i @", É, æ, Å, Ä, Ü, è, Ü, · B

'^Ó • Ú'¶, ^, ê, ½fpfxf]ffh, i Ô, ^, ê AftfBf]f, ^, "K—p, ^, ê, Ä, ç, f]o'Ô, ^, æ, N' Ä]t%o», ^, ê, Ä, ç, È, f]o'Ô, Ä•Ü'¶, ^, ê, Ü, · B

3 žg—p, ., é‰‰šúf]f^f]fO, ð"ü—í, μ, Ü, · B

fAfNfZfX, ., éff]f^fx]f[X, ð"ü—í, μ, Ü, · B

[**Ú'±, ifefXfg**] žw'è, μ, ½ff]f^ f[X, Ö, i Ú'±, ðfefXfg, ., éê#f, ÉfNf]f]fbfN, μ, Ü, · B

Ú'±, ^, s, μ, ½ê#f, i A]Y'è, ^, µ, ç, ±, Ä, ðšm" F, μ, Ä, - , ^, ç, ^, ö, Å]Ú'±, ^, s, ., éê#f, ^, è, Ü, · B

### ŠÖ~A]€-Ú

ff]f^ fSf"fn fvf]fpfefB, Å]ç, Ä, ., é

[Ú×Ý'è] f^fu[Aff][f^ fšf“fN fvfpfefB,if\_fCfAf]fo f{fbfNfX

f^fu,ÉŠÜ,Ü,ê,éflfvfvftf“

**[•U'•fCfxf<]** fT<sup>U</sup>[fo<sup>U</sup>,<sup>a</sup>FNF%o<sup>U</sup>CfAf'<sup>U</sup>fg,<sup>U</sup>é<sup>U</sup>•,<sup>U</sup>é,<sup>U</sup>Æ,<sup>U</sup>«,<sup>U</sup>É<sup>U</sup>g—p,<sup>U</sup>Å,<sup>U</sup>«,<sup>U</sup>é<sup>U</sup>•,<sup>U</sup>fCfxf<,<sup>U</sup>Å,<sup>U</sup>B,<sup>U</sup>±,<sup>U</sup>ífvf<sup>U</sup>fpfefB,<sup>U</sup>íAf<sup>U</sup>Šf,<sup>U</sup>í[fg fv<sup>U</sup>fV<sup>U</sup>[fWff fR<sup>U</sup>]f< (RPC) ^È<sup>U</sup>ŠO,<sup>U</sup>íf<sup>U</sup>fbfgf<sup>U</sup>[fN<sup>U</sup>Ú<sup>U</sup>±,<sup>U</sup>Å,<sup>U</sup>íY<sup>U</sup>g—p,<sup>U</sup>Å,<sup>U</sup>«,<sup>U</sup>Ü,<sup>U</sup>•<sup>U</sup>B,<sup>U</sup>±,<sup>U</sup>Å,<sup>U</sup>Ý<sup>U</sup>è,<sup>U</sup>•<sup>U</sup>é<sup>U</sup>•<sup>U</sup>fCfxf<,í RPC ,<sup>U</sup>Å<sup>U</sup>g—p,<sup>U</sup>.,<sup>U</sup>éfCfxf<,í<sup>U</sup>É—<sup>U</sup>Þ<sup>U</sup>—,<sup>U</sup>μ,<sup>U</sup>Å,<sup>U</sup>ç,<sup>U</sup>Ü,<sup>U</sup>•<sup>U</sup>B,<sup>U</sup>±,<sup>U</sup>ífvf<sup>U</sup>fpfefB,<sup>U</sup>íI,<sup>U</sup>íA'F<sup>U</sup>Ø,<sup>U</sup>³,<sup>U</sup>ê,<sup>U</sup>½ RPC ^Ù<sup>U</sup>±,<sup>U</sup>É<sup>U</sup>í,<sup>U</sup>μ,<sup>U</sup>Å<sup>U</sup>w<sup>U</sup>è,<sup>U</sup>Å,<sup>U</sup>«,<sup>U</sup>é<sup>U</sup>•<sup>U</sup>fCfxf<,í<sup>U</sup>É<sup>U</sup>½Ù<sup>U</sup>Ú<sup>U</sup>‰<sup>U</sup>ž,<sup>U</sup>μ,<sup>U</sup>Å,<sup>U</sup>ç,<sup>U</sup>Ü,<sup>U</sup>•<sup>U</sup>áA'F<sup>U</sup>Ø,<sup>U</sup>³,<sup>U</sup>ê,<sup>U</sup>½ RPC ^È<sup>U</sup>ŠO,<sup>U</sup>íÙ<sup>U</sup>±,<sup>U</sup>É<sup>U</sup>“K—p,<sup>U</sup>.,<sup>U</sup>é,<sup>U</sup>±,<sup>U</sup>Æ,<sup>U</sup>à‰<sup>U</sup>Å\,<sup>U</sup>Å,<sup>U</sup>•<sup>U</sup>B<sup>U</sup>Ý,<sup>U</sup>ífCfxf<,í<sup>U</sup>©,<sup>U</sup>ç<sup>U</sup>’<sup>U</sup>ð,<sup>U</sup>μ,<sup>U</sup>Ü,<sup>U</sup>•<sup>U</sup>B



[•ÛŒifŒfxf<] fnf‰oCfAf“fg,ÆfT[]fo[]ŠO,À’—□M,³,ê,éff[]f^,ì•ÛŒifŒfxf<,À,·□B,±,ì,fv[]fpfefB,í,ARPC ^ÈŠO,ì,fbfgf[]fN[]Ù’±,À,ì,Yžg—p,À,«,Ü,·□B,±,±,ÀÙ’è,·,é•ÛŒifŒfxf<,í,RPC ,Àžg—p,,éfŒfxf<,É—þž—,μ,À,¢,Ü,·□B,±,ì,fv[]fpfefB,í,I,í,A”F[]Ø,³,ê,½,RPC Ù’±,É,í,μ,Àžw’è,À,«,é,·ÛŒifŒfxf<,É,¼,Ù’‰ož,μ,À,¢,Ü,·,¤A”F[]Ø,³,ê,½,RPC ^ÈŠO,ì,Ù’±,É”K—p,·,é,±,Æ,à‰oÀ\,À,·,ÙBÙ’ç,ì,fŒfxf<,©,c,l’ð,μ,Ü,·,ÙB



[f Af Nf Zf X<-%oÂ] fAfNfZfXŒ,ðŽw'è,µ,Ü,·ØBŽY,í†,©,ç 1,Â,Ü,½,Í•í"œ,íŒ œÀ,ð'Íð,µ,Ü,·ØB

- **[Read]** - “Ҫ,Ӯڙæ,èڻê—pڻB
  - **[ReadWrite]** - “Ҫ,Ӯڙæ,ڦfAfNfZfXCE , ”, æ, Ñ“‘, <ڙ, ӮfAfNfZfXCE ڻB

- **[Share Deny None]** - ,Ù,©,ìftÙ[fUÙ[.ÉÎ,µ,ÄÅA“Ç,ÝÙž,ÝfAfNfZfXŒ „,æ,ÑÙ’,«Ùž,ÝfAfNfZfXŒ ,ð<sup>”</sup>Û,·,é,±,Æ,ª,Å,«,Ü,¹,ñÙB
- **[Share Deny Read]** - ,Ù,©,ìftÙ[fUÙ[.í“Ç,ÝÙž,èf,Ù[fh,ÅŠJ,,±,Æ,ª,Å,«,Ü,¹,ñÙB
- **[Share Deny Write]** - ,Ù,©,ìftÙ[fUÙ[.íÙ’,«Ùž,Ýf,Ù[fh,ÅŠJ,,±,Æ,ª,Å,«,Ü,¹,ñÙB
- **[Share Exclusive]** - ,Ù,©,ìftÙ[fUÙ[.í“Ç,ÝÙž,ÝÙ’,«Ùž,Ýf,Ù[fh,ÅŠJ,,±,Æ,ª,Å,«,Ü,¹,ñÙB
- **[Write]** - Ù’,«Ùž,ÝÙê—pÙB

**ŠÖ~A¤€-Ú**

ffÙ[f^ fÙf“fN fvÙfpfeÙB,ÅÙì<Æ,·,é

## [.,x,Ä] f^fu[Aff][f^ fŠf“fN fvf]fpfefB,]f\_fCfAf]fO f{fbfNfX

[.,x,Ä] f^fu,ðŽg—p,μ,Ä]A'l'ð,μ,½ OLE DB fvf]fofCf\_,ðŽg—p%oÂ"\,È,.,x,Ä,] OLE DB ]%oŠú%o»fvf]fpfefB,ð•\Ž|,“,æ,Ñ•Ò]W,μ,Ü,·]Bfvf]fpfefB,í]AŽg—p,·é OLE DB fvf]fofCf\_,È,æ,Ä,Ä^Ü,È,è,Ü,·]B

## f^fu,ÉŠÜ,Ü,ê,éf]fvfVftf“

]%oŠú%o»fvf]fpfefB fŠfXfg ,.,x,Ä,]fvf]fpfefB,“,æ,ÑŒ»]Y,]Y'è'l,ð^ê——•\Ž|,μ,Ü,·]B

']Ó fŠfXfg,ÉŠÜ,Ü,ê,é]%oŠú%o»fvf]fpfefB,]Ú]x,É,Ä,ç,Ä,í]AŠe OLE DB fvf]fofCf\_,]f}fjj... fAf<,ðŽQ]Æ,μ,Ä,,¾,³,ç]B

[I,I•Ò]W] CŒ»]Y'I'ð,³,ê,Ä,ç,éfvf]fpfefB,]fvf]fpfefB,]I,ð•Ò]W] f\_fCfAf]fO f{fbfNfX,ðŠJ,«,Ü,·]B

**fqf“fg** •]X,·,éfvf]fpfefB,ðf\_fuf,fNfŠfbfN,·,é,Æ]A[fvf]fpfefB,]I,ð•Ò]W] f\_fCfAf]fO f{fbfNfX,aŠJ,«,Ü,·]B

## ŠÖ~A]€-Ú

ff]f^ fŠf“fN fvf]fpfefB,Å])Æ,·é

## **[fvf]fpfefB,í'I,ð•Ò[W] f\_fCfAf]fO f{fbfNfX**

[fvf]fpfefB,í'I,ð•Ò[W] f\_fCfAf]fO f{fbfNfX,ðŽg—p,μ,Ä]A[.,x,Ä] f^fu,ÄŒ»]Ý'I'ð,³,ê,Ä,¢,é OLE DB  %oŠú‰»fvf]fpfefB,ð•Ò[W,μ,Ü,·]Bfvf]fpfefB,í]AŽg—p,·,é OLE DB fvf]fofCf\_,É,æ,Á,Ä^Ù,È,è,Ü,·]B

'^Ó fvf]fofCf\_,É“Á—L,]fvf]fpfefB,í]Ú]x,É,Â,¢,Ä,í]AŠe OLE DB fvf]fofCf\_,]f}ff...  
fAf<,ðŽQ]Æ,μ,Ä,,³/₄,³,¢]B

## **f\_fCfAf]fO f{fbfNfX,ÉŠÜ,Ü,ê,éf]fvfVftf“**

**[fvf]fpfefB,í]à-³/₄]** 'I'ð,μ,½fvf]fpfefB,í]à-³/₄,²•\Ž!,³,ê,Ü,·]B

**[fvf]fpfefB,í'I]** —LŒø,È'I,ð'I'ð,Ü,½,i“ü—í,μ,Ü,·]B

**[I,]fŠfZfbfg]** 'I'ð,μ,½fvf]fpfefB,í'I,ð OLE DB fvf]fofCf\_,í]Šù'è'I,É]Ý'è,μ,Ü,·]B

**ŠÖ~A]€-Ú**

ff][f^ fŠf“fN fv]fpfefB,Ä]ì<Æ,·,é

[.,x,Ä] f^fu]Aff][f^ fŠf“fN fv]fpfefB,]f\_fCfAf]fO f{fbfNfX

## **f\_ff[f^ fŠf“fN ftf@fCf<,ì’l’ð] f\_fCfAf[]fO f{fbfNfX**

[ff[f^ fŠf“fN ftf@fCf<,ì’l’ð] f\_fCfAf[]fO f{fbfNfX,ðŽg—p,μ,Ä]AŠù’¶,]ff[f^ fŠf“fN ftf@fCf< (.udl)  
,ð’l’ð,·,é,©]A]V,μ,cff[f^ fŠf“fN ftf@fCf<,ð]i]¬,μ,Ü,·]B

GfNfXfvf[]%o,]EfBf“fhfE,Ä]AŠù’¶,]ff[f^ fŠf“fN ftf@fCf< (.udl)  
,ð•Ò]W]A]œ]A,Ü,½,í^Ú“®,·,é,©]A]V,μ,cff[f^ fŠf“fN ftf@fCf<,ð]i]¬,μ,Ü,·]B

## **f\_fCfAf[]fO f{fbfNfX,ÉŠÜ,Ü,ê,éfIfvfVftf“**

[ff[f^ f]fX,ì]ê]Š] fVfXfef€“à,ì,·,x,Ä,]fhf%oCfu,“,æ,ÑftfHf<f\_,ðŽQ]Æ,Ä,«,Ü,·]B

[1 ,Ä]ä,]ftfHf<f\_,Ö] CŒ»]Y,]fZfbfVftf“,Ä’O,ÉfAfNfZfX,μ,Ä,¢,½ftfHf<f\_,É^Ú“®,μ,Ü,·]B

[]V,μ,cfftfHf<f\_,ì]i]¬] CŒ»]Y,]ftfHf<f\_“à,É]V,μ,cfftfHf<f\_,^]i]¬,³,ê,Ü,·]B

**ftf@fCf< fŠfXfg** [ff[f^ f]fX,ì]ê]Š] ,Ä’l’ð,³,ê,Ä,¢,éfhf  
‰oCfu,Ü,½,]ftfHf<f\_,ÉŠÜ,Ü,ê,éftf@fCf<,ÆftfHf<f\_,^]i]¬,³,ê,Ü,·]B

[^ê—] ftf@fCf< fŠfXfg-¼,^]å,«,cffAfCfRf“,Ä•]Z!,³,ê,Ü,·]B

[]Ú]x] ftf@fCf<,]fTfCfY,â]Å]I]X]V“ú]ž,È,C]Aftf@fCf<,É]Ö,·,é’C‰]i]•ñ,^]i]¬,³,ê,Ü,·]B

**[ftf@fCf<-¼]** ŠJ,ftf@fCf<,ì-¼’O,ð“ü—í,·,é,©]Afhf%oCfu,ð]i]„•]žš (C:\ ,È,Ç) ,ð“ü—í,μ,Ä-Ú”I,]fhf  
‰oCfu,É^Ú“®,μ,Ü,·]B

**[ftf@fCf<,ì]ží—p]** •]ž!,·,éftf@fCf<,ì]ží—p,^]ê—•]ž!,³,ê,Ü,·]Bftf@fCf<,ì]ží—p,ðŒÀ’è,μ]A-Ú”I,ì]ží—  
p,ì,Ý,ð•]ž!,·,é]ê]‡,É•Ö—,Ä,·]B

**[ŠJ,]** ‘l’ð,μ,½ftf@fCf<,^]š,«,Ü,·]B,±,]fIfvfVftf“,í]A[ff[f^ fŠf“fN ftf@fCf<,ì’l’ð] f\_fCfAf[]fO  
f{fbfNfX,Ä,ì,Ýžg—p‰]“\,Ä,·]B

## **ŠÖ~A]€-Ú**

ff[f^ fŠf“fN,ð]i]®—,·,é

