

CommVector (CommVector)

commguid (commguid) (PK)	NATIONAL VARCHAR(75) NOT NULL
vector (vector)	NATIONAL VARCHAR(50) NOT NULL
sk (sk)	NATIONAL VARCHAR(50) NULL
PK_CommVector	

encrypts

are encrypted using

UploadedFiles (Entity2)

FileID (FileID) (PK)	INT	IDENTITY
FileName (FileName)	NATIONAL VARCHAR(254)	NOT NULL
segmentCount (segmentCount)	INTEGER	NOT NULL
segmentNbr (segmentNbr)	INT	NOT NULL
segmentSize (segmentSize)	INT	NULL
directory (directory)	NATIONAL VARCHAR(254)	NULL
filehash (filehash)	BINARY(75)	NULL
commguid (commguid) (FK)	NATIONAL VARCHAR(75)	NOT NULL
PK34		

are identified to member thru

locate

Member (Member)

FromEmail (MemberEmail) (PK)	NATIONAL VARCHAR(80)	NOT NULL
MemberPassWord (MemberPassWord)	NATIONAL VARCHAR(50)	NOT NULL
MemberPassWordHash (MemberPassWordHash)	NATIONAL VARCHAR(50)	NOT NULL (IE1:1)
JoinDate (JoinDate)	DATETIME	NOT NULL
ExpireDate (ExpireDate)	DATETIME	NULL
RenewDate (RenewDate)	DATETIME	NULL
HashMemberEmail (HashMemberEmail)	NATIONAL VARCHAR(75)	NULL
IV (IV)	NATIONAL VARCHAR(50)	NULL
SecretKey (SecretKey)	NATIONAL VARCHAR(100)	NULL
PK_Member		
idxMemberPwHash (IE1)		

is set to receive

are sent to

submits

MemberFiles (Entity3)

FileID (FileID) (PK)(FK)	INT	NOT NULL
FromEmail (MemberEmail) (PK)(FK)	NATIONAL VARCHAR(80)	NOT NULL
ToEmail (MemberEmail) (PK)(FK)	NATIONAL VARCHAR(80)	NOT NULL
PK35		

are submitted by