

Member (Member)			
➤ FromEmail (FromEmail) (PK)	NATIONAL VARCHAR(80)	NOT NULL	
➤ MemberPassWord (MemberPassWord)	NATIONAL VARCHAR(80)	NOT NULL	
➤ JoinDate (JoinDate)	DATE	NOT NULL (IE1:1)	
➤ ExpireDate (ExpireDate)	DATE	NULL	
➤ RenewDate (RenewDate)	DATE	NULL	
➤ HashMemberEmail (HashMemberEmail)	NATIONAL VARCHAR(75)	NULL	
➤ IV (IV)	NATIONAL VARCHAR(80)	NULL	
➤ SecretKey (SecretKey)	NATIONAL VARCHAR(100)	NULL	
PK_Member			
dMemberPartish (IE1)			

EmailSentCnt (EmailSentCnt)			
➤ FromEmail (FromEmail) (PK/FK)	NATIONAL VARCHAR(80)	NOT NULL	
➤ MD (MD) (PK)	INT	NOT NULL	
➤ DA (DA) (PK)	INT	NOT NULL	
➤ YR (YR) (PK)	INT	NOT NULL	
➤ SentCnt (SentCnt)	INT	NOT NULL	
➤ CreateDate (CreateDate)	DATE	NOT NULL	
PK_EmailSentCnt			

FromEmail (FromEmail)			
➤ FromEmail (FromEmail) (PK/FK)	INT	NOT NULL	
➤ FromEmail (FromEmail) (PK/FK)	NATIONAL VARCHAR(80)	NOT NULL	
➤ ToEmail (ToEmail) (PK/FK)	NATIONAL VARCHAR(80)	NOT NULL	
➤ CreateDate (CreateDate)	DATE	NOT NULL	
➤ Processed (Processed)	BIT(1)	NOT NULL	
➤ TSCode (TSCode)	INT	NOT NULL	
➤ SID (SID) (PK/FK)	INT	NOT NULL	
PK24			

Attachment (Attachment)			
➤ FileName (FileName)	NATIONAL VARCHAR(250)	NULL	
➤ FileContents (FileContents)	NATIONAL VARCHAR(4000)	NULL	
➤ CreateDate (CreateDate)	DATE	NOT NULL	
➤ AttachmentID (AttachmentID) (PK)	INT	NOT NULL	
➤ FileSize (FileSize)	INT	NULL	
➤ Processed (Processed)	BIT(1)	NOT NULL	
➤ HashFileContents (HashFileContents)	NATIONAL VARCHAR(75)	NULL	
➤ AttachRefToEmail (AttachRefToEmail)	BIT(1)	NOT NULL	
➤ SegmentID (SegmentID)	INT	NOT NULL	
➤ EmailRef (EmailRef) (FK)	NATIONAL VARCHAR(75)	NOT NULL	
➤ EmailRef (EmailRef) (FK)	INT	NOT NULL	
➤ RealFileName (RealFileName)	NATIONAL VARCHAR(100)	NOT NULL	
➤ SID (SID) (FK)	INT	NOT NULL	
PK8			
U_Attachment (AK1)			

BCC (BCC)			
➤ FromEmail (FromEmail)	NATIONAL VARCHAR(80)	NOT NULL	
➤ ToEmail (ToEmail) (PK)	NATIONAL VARCHAR(80)	NOT NULL (IE1:1)	
➤ CreateDate (CreateDate)	DATE	NOT NULL	
➤ Processed (Processed)	BIT(1)	NOT NULL	
➤ TSCode (TSCode)	INT	NOT NULL	
➤ ExpireDate (ExpireDate)	DATE	NOT NULL	
➤ EmailRef (EmailRef) (PK/FK)	NATIONAL VARCHAR(75)	NOT NULL	
➤ EmailRef (EmailRef) (PK/FK)	INT	NOT NULL	
➤ SID (SID) (PK/FK)	INT	NOT NULL	
PK20			
PL_BCC_ToEmail (IE1)			

K3 (K3)			
➤ SID (SID) (PK)	INT	IDENTITY (AK1:1)	
➤ K1 (K1)	BINARY(16)	NOT NULL	
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