



pears.BlobstoreWrite



Generated schema reference. Regenerate this page from the SQL unload; keep hand-maintained business notes in the narrative namespace.

Original SQL

```
CREATE FUNCTION "pears"."BlobstoreWrite"(  
    /* Application Maintained Function / Procedure - DO NOT EDIT*/  
    IN "blobclass" CHAR(1),IN "blobid" CHAR(20),IN "blobzipped" tinyint,IN  
    "requestedby" CHAR(15) )  
RETURNS INTEGER  
NOT deterministic  
BEGIN  
    DECLARE "bAlreadyExists" INTEGER;  
    DECLARE "bNewfilenameNeeded" INTEGER;  
    DECLARE "bFail" INTEGER;  
    DECLARE "xpath" CHAR(250);  
    DECLARE "xfolder" CHAR(250);  
    DECLARE "xfolder1" CHAR(250);  
    DECLARE "xdate" DATE;  
    DECLARE "fsize" INTEGER;  
    IF "varexists"('iqblobtemp') = 0 THEN // Invalid state - cannot proceed  
        return-1  
    END IF;  
    IF "iqblobtemp" IS NULL THEN // Invalid state - cannot proceed  
        return-2  
    END IF;  
    SELECT 1,"trim"("externalfilepath"),"date"("createdat") INTO  
    "bAlreadyExists","xpath","xdate" FROM "blobstore" WHERE "class" =  
    "blobclass" AND "id" = "blobid";  
    IF "bAlreadyExists" = 1 AND "isnull"("xpath",'') <> '' THEN  
        SET "bNewfilenameNeeded" = "BlobstoreDeleteExternal"("xpath") -- Will be  
0 if the file was successfully deleted  
    ELSE  
        SET "bNewfilenameNeeded" = 1  
    END IF;  
    SET "bNewfilenameNeeded" = 1; -- Changed in March 2022 to force it to  
always use a new file  
    SET "fsize" = "byte_length"("iqblobtemp")/1024;  
    SET "xfolder" = "BlobStoreExtFolder"(CURRENT DATE); -- Changed in March  
2022 to force it to always use latest date folder
```



```
IF "xfolder" IS NULL THEN
    SET "xpath" = NULL
ELSE
    IF "bNewfilenameNeeded" <> 0 THEN
        SET "xpath" = "xfolder"+"blobclass"+"blobid"+"'.dat'"
    END IF;
    SET "bFail" =
"xp_write_file"("BlobstoreFullPath"("xpath"),"iqblobtemp");
    IF "bFail" <> 0 THEN -- Might fail because previously used folder cannot
now be written or new folder does not yet exist
        SET "xfolder1" = "BlobstoreFullPath"("xfolder");
        IF "left"("xfolder1",1) = '\\ ' THEN -- \\ folders give AV in
sp_create_directory
            SET "bfail" = "xp_cmdshell"('mkdir '+'xfolder1','no_output')
        ELSE
            SET "bfail" = "sp_create_directory"("xfolder1")
        END IF;
        IF "bfail" = 0 THEN
            SET "xpath" = "xfolder"+"blobclass"+"blobid"+"'.dat'";
            SET "bFail" =
"xp_write_file"("BlobstoreFullPath"("xpath"),"iqblobtemp")
        END IF
    END IF;
    IF "bFail" = 0 THEN -- Successfully written to external file
        SET "iqblobtemp" = NULL
    ELSE -- Revert to internal storage. Alternative would be to return bFail
as error value
        SET "xpath" = NULL
    END IF END IF;
    IF "bAlreadyExists" = 1 THEN
        UPDATE "blobstore" SET "blob" = "iqblobtemp","filesize" =
"fsize","externalfilepath" = "xpath","zipped" = "blobzipped","changedby" =
"isnull"("requestedby","changedby"),"changedat" =
"ifnull"("requestedby","changedat",CURRENT_TIMESTAMP)
        WHERE "class" = "blobclass" AND "id" = "blobid"
    ELSE
        INSERT INTO "blobstore"(
"class","id","blob","externalfilepath","zipped","createdby","createdat","cha
ngedby","changedat","accessedby","accessedat","filesize" ) VALUES
(
"blobclass","blobid","iqblobtemp","xpath","blobzipped","requestedby",CURRENT
TIMESTAMP,"requestedby",CURRENT_TIMESTAMP,"requestedby",CURRENT
TIMESTAMP,"fsize" )
    END IF;
    SET "iqblobtemp" = NULL; -- Free the memory
    RETURN 0
END
```



From:

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Last update: **2026/08/07 19:24**

