



pears.NetErrorHandler



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

Original SQL

```
CREATE FUNCTION "pears"."NetErrorHandler"( IN "pErrorCode" INTEGER,IN "UID"
CHAR(20) DEFAULT NULL,IN "pRecordID" CHAR(20) DEFAULT NULL,IN
"pActionDetails" CHAR(255) DEFAULT NULL )
RETURNS CHAR(255)
deterministic // IQXWeb
BEGIN
    DECLARE "retval" CHAR(255);
    DECLARE "ErrorMessage" CHAR(250);
    DECLARE "ErrorAnalysisText" CHAR(20);
    DECLARE "HelpMessage" CHAR(1024);
    DECLARE "StaffID" CHAR(20);
    DECLARE "LogAll" CHAR(1);
    DECLARE "LogID" CHAR(20);
    DECLARE "DescriptionString" CHAR(300);
    IF "isnull"("pErrorCode",'0') = 0 THEN
        RETURN 'A System-level error occurred'
    END IF;
    SET "StaffID" = "isnull"((SELECT "staffid" FROM "iqxnetuser" WHERE
"iqxnetuserid" = 'user'),'IQXWEB');
    SELECT "l"."ErrorMessage","l"."HelpMessage" INTO
"ErrorMessage","HelpMessage" FROM "ErrorList" AS "l" WHERE "l"."ErrorCode" =
"pErrorCode";
    SET "LogAll" = (SELECT "isnull"("value",0) FROM "IQXNetSwitch" WHERE
"iqxnetswitchid" = 'LOGALLIQXWEBMESSAGES');
    IF "ErrorMessage" IS NULL THEN
        SET "ErrorMessage" = "isnull"("pActionDetails",'A System-level error
occured')
    END IF;
    IF "pErrorCode" <= 99 THEN -- System error
        SET "ErrorAnalysisText" = 'WEBSYSERR'
    END IF;
    IF "pErrorCode" BETWEEN 100 AND 199 THEN -- warning
        SET "ErrorAnalysisText" = 'WEBUSERERR'
    END IF;
    IF "pErrorCode" >= 200 THEN -- information
```



```
SET "ErrorAnalysisText" = 'WEBSTATS'
END IF;
IF "ErrorAnalysisText" = 'WEBSYSERR' OR "LogAll" = '1' THEN
    SET "LogID" = "uniquekey"('x');
    SET "DescriptionString" = "string"("pErrorCode",':',"ErrorMessage");
    INSERT INTO "audittrail"(
"audittrailid","eventdatetime","userid","AuditType","RecordID","Description"
,"OldValues","NewValues","ConnectionNumber" ) VALUES(
"LogID","now"(),"StaffID","ErrorAnalysisText","pRecordID","DescriptionString
","UID","pActionDetails","connection_property"('Number') )
    END IF;
    UPDATE "ErrorList" SET "TotalCount" = (SELECT "isnull"("TotalCount",0)+1
FROM "ErrorList" WHERE "ErrorCode" = "pErrorCode"),"LastOccurrence" =
"now"() WHERE "ErrorCode" = "pErrorCode";
    SET "retval" = "string"("pErrorCode",'::~',"ErrorMessage");
    IF "HelpMessage" IS NOT NULL THEN
        SET "retval" = "string"("retval",'\\x0A\\x0A',"HelpMessage")
    END IF;
    IF "LogID" IS NOT NULL THEN
        SET "retval" = "string"("retval",'\\x0A\\x0A','Reference: ','LogID")
    END IF;
    RETURN "retval"
END /* DOC
2018-05-11 PC IW-513 Improve error handling and display
2018-05-21 PC IW-513 alter error codes to prioritise error state by code
2018-06-14 PC add reference code to reference line in audittrail
2018-06-27 PC add help message for highlight box or link to wiki
2018-07-24 PC modified return string for appearance
*/
/* TEST
delete from audittrail where audittype='websyserr';
select NetErrorHandler(1);
expect NetErrorHandler(1)=1::~A System-level error occurred*;
select top 1 description,OldValues from audittrail where
audittype='websyserr' order by eventdatetime desc;
expect description=1:A*;
select NetErrorHandler(99);
expect NetErrorHandler(99)=99::~Permission denied*;
select top 1 description,OldValues from audittrail where
audittype='websyserr' order by eventdatetime desc;
expect description=99:Permission*;
select NetErrorHandler(100);
expect NetErrorHandler(100)=100::~invalid date or time*;
select top 1 description,OldValues from audittrail where
audittype='websyserr' order by eventdatetime desc;
expect description=99:Permission*;
*/
```



From:

<https://iqxusers.co.uk/iqxhelp/> - **iqx**

Permanent link:

https://iqxusers.co.uk/iqxhelp/doku.php?id=database:functions:pears_neterrorhandler

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

