



pears.NetErrorHandler



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

Original SQL

```
COMMENT TO PRESERVE FORMAT ON PROCEDURE "pears"."NetErrorHandler" IS
{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)
// IQXWeb
DETERMINISTIC
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 occured';
    END IF;

    SET StaffID=isnull((SELECT staffid FROM iqxnetuser WHERE
iqxnetuserid='user'),'IQXWEB');
    SELECT l.ErrorMessage,l.HelpMessage INTO ErrorMessage,HelpMessage FROM
ErrorList 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,pAct
ionDetails,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,'\n\n',HelpMessage)
END IF;

IF LogID IS NOT NULL THEN
    SET retval=string(retval,'\n\n','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
```



```
auditttype='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  
auditttype='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  
auditttype='websyserr' order by eventdatetime desc;  
expect description=99:Permission*;  
*/  
}
```

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