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SET SCHEMA ORAENV;
SET CURRENT PATH = SYSTEM PATH, ORAENV;

--#SET TERMINATOR @
CREATE OR REPLACE FUNCTION ORAENV.SYS_CONTEXT
(namespace VARCHAR(255),
 parameter VARCHAR(255))
RETURNS VARCHAR(255)
SPECIFIC SYS_CONTEXT READS SQL DATA DETERMINISTIC NO EXTERNAL ACTION
BEGIN
    DECLARE output VARCHAR(255) DEFAULT 'Unknown';
    DECLARE v_app_handle BIGINT;
    DECLARE ipAddr VARCHAR(255);
    DECLARE osName VARCHAR(255);

    SET namespace = UPPER(namespace);
    SET parameter = UPPER(parameter);
    SELECT agent_id INTO v_app_handle FROM sysibmadm.applications WHERE appl_id=application_id;

    IF(namespace='USERENV') THEN
        IF(parameter='CURRENT_SCHEMA') THEN
            SET output = CURRENT_SCHEMA;
        ELSEIF(parameter='SID') THEN
            SELECT agent_id INTO output FROM sysibmadm.applications WHERE appl_id=application_id;
        ELSEIF(parameter='INSTANCE_NAME') THEN
            SELECT inst_name INTO output FROM SYSIBMADM.ENV_INST_INFO;
        ELSEIF(parameter='MODULE') THEN
            SELECT appl_name INTO output FROM sysibmadm.applications WHERE appl_id=application_id;
        ELSEIF(parameter='CURRENT_USER' OR parameter='SESSION_USER') THEN
            SET output = CURRENT_USER;
        ELSEIF(parameter='SERVER_HOST') THEN
            SELECT host_name INTO output FROM SYSIBMADM.ENV_SYS_INFO;
        ELSEIF(parameter='DB_NAME') THEN
            SELECT db_name INTO output FROM sysibmadm.applications WHERE appl_id=application_id;
        ELSEIF(parameter='IP_ADDRESS') THEN
            SELECT NVL(address, '127.0.0.1') INTO output
            FROM TABLE(WLM_GET_SERVICE_CLASS_WORKLOAD_OCCURRENCES_V97(CAST(NULL AS VARCHAR(128)),
                                                                    CAST(NULL AS VARCHAR(128)), -2)) as a
            WHERE application_handle=v_app_handle;
        ELSEIF(parameter='HOST' OR parameter='TERMINAL') THEN
            SELECT detmetrics.client_wrkstnname INTO output
            FROM TABLE(MON_GET_UNIT_OF_WORK_DETAILS(NULL,-2)) AS UOWMETRICS,
            XMLTABLE ( XMLNAMESPACES( DEFAULT 'http://www.ibm.com/xmlns/prod/db2/mon'),
                        '$detmetric/db2_unit_of_work' PASSING XMLPARSE(DOCUMENT UOWMETRICS.DETAILS) as "detmetric"
                        COLUMNS "CLIENT_WRKSTNNAME" VARCHAR(255) PATH 'client_wrkstnname') AS DETMETRICS
            WHERE APPLICATION_HANDLE=v_app_handle;
        ELSEIF(parameter='OS_USER') THEN
            SELECT detmetrics.client_userid INTO output
            FROM TABLE(MON_GET_UNIT_OF_WORK_DETAILS(NULL,-2)) AS UOWMETRICS,
            XMLTABLE (XMLNAMESPACES( DEFAULT 'http://www.ibm.com/xmlns/prod/db2/mon'),
                        '$detmetric/db2_unit_of_work' PASSING XMLPARSE(DOCUMENT UOWMETRICS.DETAILS) as "detmetric"
                        COLUMNS "CLIENT_USERID" VARCHAR(255) PATH 'client_userid') AS DETMETRICS
            WHERE APPLICATION_HANDLE=v_app_handle;
        ELSEIF(parameter='SESSIONID') THEN
            SET output = application_id;
        ELSEIF(parameter='CLIENT_IDENTIFIER') THEN
            SELECT AUTHID into osName FROM SYSIBMADM.APPLICATIONS WHERE appl_id = application_id;
            SELECT NVL(address, '127.0.0.1') INTO ipAddr
            FROM TABLE(WLM_GET_SERVICE_CLASS_WORKLOAD_OCCURRENCES_V97(CAST(NULL AS VARCHAR(128)),
                                                                    CAST(NULL AS VARCHAR(128)), -2)) as a
            WHERE application_handle=v_app_handle;
            SET output = osName || ':' || ipAddr;
        END IF;
    END IF;
    RETURN output;
END
@
--#SET TERMINATOR ;

CREATE OR REPLACE PROCEDURE CONNECT_PROC()
SET PATH = ORAENV, CURRENT PATH;

UPDATE DB CFG USING CONNECT_PROC ORAENV.CONNECT_PROC;

CONNECT RESET;
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