

PS89 MASS ENROLLMENT

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Steps to be Completed before running the Mass Enrollment Process.

There are 3 actions that need to be taken before running Mass Enrollment.

Changes to COBOL Program

There has been some performance Problems with Mass Enrollment Engine while converting data from legacy Systems. So Peoplesoft had recommended the following action.

Performance problems with mass enrollment process

Details

SOLUTION ID: 200766359

SUMMARY: Performance problems with mass enrollment process

ISSUE: The mass enrollments process has slowed down substantially since applying SA 8 SP1 Bundle #1 . A trace of the SQL shows that 70-90% of the time is spent in the cobol application vs. SQL processing.

SOLUTION: Some timestamp logic was added to the mass enrollment process in SA 8 SP1 Bundle #1. This logic is important for tuition calc to work properly. However, for customers using mass enrollment in converting their legacy system to Peoplesoft, this logic is not critical (since tuition calc will not be used on enrollments). The timestamp logic will slow down the process for customers who are using an Oracle database.

So for clients who are in the process of converting from legacy to Peoplesoft, the recommendation is to remove some logic in the SRPCEPST.cbl program so that the timestamp "delay" logic will not be in effect.

In the program SRPCEPST.cbl, remove or comment out the following statements:

```
608902 IF DBTYPE-ORACLE OF SQLRT
608902     MOVE 00 TO SYS-HS OF SYS-TIME-F OF SYSTEM-INTERFACES
608902 END-IF
```

Changes to Database Logging

Changes we made to some of the database tables to stop logging which would increase the performance by 30% - 40%. But it is recommended not to use this step in the final conversion run as if in any case the database crashes the DBA's would never be able to recover.

Logging needs to be disabled on the following tables.

```
ALTER TABLE PS_CLASS_TBL NOLOGGING;
ALTER TABLE PS_ENRL_REQ_DETAIL NOLOGGING;
ALTER TABLE PS_ENRL_REQ_HEADER NOLOGGING;
ALTER TABLE PS_STDNT_CAR_TERM NOLOGGING;
ALTER TABLE PS_ENRL_MSG_LOG NOLOGGING;
```

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```
ALTER TABLE PS_ENRL_MSG_PARM NOLOGGING;  
ALTER TABLE PS_STDNT_ENRL NOLOGGING;  
ALTER TABLE PS_STDNT_SESSION NOLOGGING;
```

Check for Last Enroll Dates on the Session Table

Session Table(PS_SESSION_TBL) has the field LAST_ENRL_DT which contains a value to restrict the user or enrollment engine from enrolling into a class after this date. As we are processing the Historical Enrollments value in this field should be set to NULL before starting Mass Enrollment. And can be reset to the present values once Mass Enrollment is Completed.

```
Update PS_SESSION_TBL SET LAST_ENRL_DT = NULL WHERE LAST_ENRL_DT <  
SYSDATE;
```

Divide all Enrollments into 3 batches.

Running Mass Enrollment in a single process would take around 70 hrs to completed our 5.5 million Enrollments. So in order to save the processing time we decide to divide the mass Enrollments into three batches and process them simultaneously. Which would be around 1.7 million each and complete in 20 hrs.

Remember not to break the Enrollment Request Batch on an EMPLID. i.e. All Enrollments of an EMPLID should fall in the same Batch.

As Enrollments are created in order of EMPLID and STRM so Enrollments of each EMPLID are grouped in concurrent Enrollment ID's.

CURRENT TERM ENROLLMENTS SHOULD BE RUN AS A SEPARATE BATCH SHOULD NOT BE COMBINED IN THESE 3 BATCHES. THIS BATCH SHOULD BE PROCESSED AFTER THE PROCESSING THE 3 HISTORICAL BATCHES.

Error Check for Mass Enrollment.

After the Mass Enrollment is Completed use the below SQL to see the Enrollments which are not posted and reason for not posting.

```
SELECT  
A.ENRL_REQUEST_ID,  
A.ENRL_REQ_DETL_SEQ,  
A.ENRL_REQ_DETL_STAT,  
C.DESCRLONG  
FROM PS_ENRL_REQ_DETAIL A ,PS_ENRL_MSG_LOG B, PSMMSGCATDEFN C  
WHERE A.ENRL_REQUEST_ID = B.ENRL_REQUEST_ID  
AND A.ENRL_REQ_DETL_SEQ = B.ENRL_REQ_DETL_SEQ  
AND C.MESSAGE_SET_NBR = B.MESSAGE_SET_NBR  
AND C.MESSAGE_NBR = B.MESSAGE_NBR
```