

APAR: IY94415

Symptom: Large unsorted LDAP searches result in OutOfMemory.

Note: You must use the following guidelines when using SearchMO API to retrieve large resultsets:

1. If you need the resultsets returned by SearchMO to be sorted, i.e. if you specify a sort attribute on SearchMO object, then for large results, it is highly recommended that you set the property 'enrole.search.sss.enable' in \$ITIM_HOME/data/enRole.properties to 'true' and also ensure that directory server used by ITIM supports server side sorting.
2. Do not use 'getResults()' function on SearchResultsMO, to get all the search results in one call, instead fetch them page by page.

Example usage in API client program:

<snip>

```
SearchMO searchMO = new SearchMO(platform, subject);  
/* Set the parameters for search here */
```

```
SearchResultsMO resultsMO = searchMO.execute();  
int pageNumber = 0;           // starting page  
Collection apiResults = new ArrayList();  
Collection page = resultsMO.getPage(++pageNumber); // get the first page  
while( page != null && !page.isEmpty() ) {  
    apiResults.addAll(page);  
    page = resultsMO.getPage(++pageNumber); // get the next page  
}  
// At the end of the above while loop, the 'apiResults' collection  
// will have all the search results.
```

</snip>