

PeopleSoft PeopleTools 8.63

Usage Monitor



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Preface

Understanding the PeopleSoft Online Help and PeopleBooks

The PeopleSoft Online Help is a website that enables you to view all help content for PeopleSoft applications and PeopleTools. The help provides standard navigation and full-text searching, as well as context-sensitive online help for PeopleSoft users.

Hosted PeopleSoft Online Help

You can access the hosted PeopleSoft Online Help on the [Oracle Help Center](#). The hosted PeopleSoft Online Help is updated on a regular schedule, ensuring that you have access to the most current documentation. This reduces the need to view separate documentation posts for application maintenance on My Oracle Support. The hosted PeopleSoft Online Help is available in English only.

To configure the context-sensitive help for your PeopleSoft applications to use the Oracle Help Center, see *Configuring Context-Sensitive Help Using the Hosted Online Help*.

Locally Installed PeopleSoft Online Help

If you're setting up an on-premises PeopleSoft environment, and your organization has firewall restrictions that prevent you from using the hosted PeopleSoft Online Help, you can install the online help locally. Installable PeopleSoft Online Help is made available with selected PeopleSoft Update Images and with PeopleTools releases for on-premises installations, through the [Oracle Software Delivery Cloud](#).

Your installation documentation includes a chapter with instructions for how to install the online help for your business environment. The documentation zip file may contain a README.txt file with additional installation instructions. See *PeopleSoft 9.2 Application Installation* for your database platform, "Installing PeopleSoft Online Help."

Installable PeopleSoft Online Help now includes PDF versions of each PeopleBook. For more information, see *Understanding Locally Installed PeopleSoft Online Help*.

Downloadable PeopleBook PDF Files

You can access downloadable PDF versions of the help content in the traditional PeopleBook format on the [Oracle Help Center](#). The content in the PeopleBook PDFs is the same as the content in the PeopleSoft Online Help, but it has a different structure and it does not include the interactive navigation features that are available in the online help.

Common Help Documentation

Common help documentation contains information that applies to multiple applications. The three main types of common help are:

- Application Fundamentals
- Using PeopleSoft Applications
- Using and Managing the PeopleSoft Online Help

Most product families provide a set of application fundamentals help topics that discuss essential information about the setup and design of your system. This information applies to many or all applications in the PeopleSoft product family. Whether you are implementing a single application, some combination of applications within the product family, or the entire product family, you should be familiar with the contents of the appropriate application fundamentals help. They provide the starting points for fundamental implementation tasks.

In addition, the *PeopleTools: Applications User's Guide* introduces you to the various elements of the PeopleSoft Pure Internet Architecture. It also explains how to use the navigational hierarchy, components, and pages to perform basic functions as you navigate through the system. While your application or implementation may differ, the topics in this user's guide provide general information about using PeopleSoft applications.

Finally, *Using and Managing the PeopleSoft Online Help* (this guide) introduces you to the setup, features, and usage of the online help system.

Field and Control Definitions

PeopleSoft documentation includes definitions for most fields and controls that appear on application pages. These definitions describe how to use a field or control, where populated values come from, the effects of selecting certain values, and so on. If a field or control is not defined, then it either requires no additional explanation or is documented in a common elements section earlier in the documentation. For example, the Date field rarely requires additional explanation and may not be defined in the documentation for some pages.

Typographical Conventions

The following table describes the typographical conventions that are used in the online help.

Typographical Convention	Description
<u>Key+Key</u>	Indicates a key combination action. For example, a plus sign (+) between keys means that you must hold down the first key while you press the second key. For <u>Alt+W</u> , hold down the <u>Alt</u> key while you press the <u>W</u> key.
. . . (ellipses)	Indicate that the preceding item or series can be repeated any number of times in PeopleCode syntax.
{ } (curly braces)	Indicate a choice between two options in PeopleCode syntax. Options are separated by a pipe ().
[] (square brackets)	Indicate optional items in PeopleCode syntax.
& (ampersand)	When placed before a parameter in PeopleCode syntax, an ampersand indicates that the parameter is an already instantiated object. Ampersands also precede all PeopleCode variables.

Typographical Convention	Description
⇒	This continuation character has been inserted at the end of a line of code that has been wrapped at the page margin. The code should be viewed or entered as a single, continuous line of code without the continuation character.

ISO Country and Currency Codes

PeopleSoft Online Help topics use International Organization for Standardization (ISO) country and currency codes to identify country-specific information and monetary amounts.

ISO country codes may appear as country identifiers, and ISO currency codes may appear as currency identifiers in your PeopleSoft documentation. Reference to an ISO country code in your documentation does not imply that your application includes every ISO country code. The following example is a country-specific heading: "(FRA) Hiring an Employee."

The PeopleSoft Currency Code table (CURRENCY_CD_TBL) contains sample currency code data. The Currency Code table is based on ISO Standard 4217, "Codes for the representation of currencies," and also relies on ISO country codes in the Country table (COUNTRY_TBL). The navigation to the pages where you maintain currency code and country information depends on which PeopleSoft applications you are using. To access the pages for maintaining the Currency Code and Country tables, consult the online help for your applications for more information.

Region, Country, and Industry Identifiers

Information that applies only to a specific region or industry is preceded by a standard identifier in parentheses. This identifier typically appears at the beginning of a section heading, but it may also appear at the beginning of a note or other text.

An example of a region-specific heading is: "(Latin America) Setting Up Depreciation"

Region Identifiers

Regions are identified by the region name. The following are examples of region identifiers that may appear in PeopleSoft Online Help:

- Asia Pacific
- Europe
- Latin America
- North America

Country Identifiers

Countries are identified by a three-letter country code. The following are examples of country identifiers that may appear in the PeopleSoft Online Help:

- ARG (Argentina)
- AUS (Australia)
- CAN (Canada)
- NLD (The Netherlands)

Industry Identifiers

Industries are identified by the industry name or by an abbreviation for that industry. The following are examples of industry identifiers that may appear in the PeopleSoft Online Help:

- USF (U.S. Federal)
- E&G (Education and Government)

Translations and Embedded Help

PeopleSoft 9.2 software applications include translated embedded help. With the 9.2 release, PeopleSoft aligns with the other Oracle applications by focusing our translation efforts on embedded help. We are not planning to translate our traditional online help and PeopleBooks documentation. Instead we offer very direct translated help at crucial spots within our application through our embedded help widgets. Additionally, we have a one-to-one mapping of application and help translations, meaning that the software and embedded help translation footprint is identical—something we were never able to accomplish in the past.

Using and Managing the PeopleSoft Online Help

Select About This Help in the left navigation panel on any page in the PeopleSoft Online Help to see information on the following topics:

- Using the PeopleSoft Online Help.
- Managing hosted Online Help.
- Managing locally installed PeopleSoft Online Help.

PeopleTools Related Links

[PeopleSoft 8.63 Home Page](#)

[PeopleSoft Search and Insights Home Page](#)

[PeopleSoft Online Help](#)

[PeopleSoft Information Portal](#)

[PeopleSoft Spotlight Series](#)

[PeopleSoft Training and Certification | Oracle University](#)

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1

Getting Started with Usage Monitor

Usage Monitor Overview

The Usage Monitor monitors Managed Object (MO) data and Application Data Set (ADS) instance data accessed by users through the PeopleSoft Internet Architecture (PIA).

From PeopleTools 8.62, the usage monitoring of data is extended to the Process Scheduler and Application Engine servers.

The data collected by the Usage Monitor for managed objects such as pages, components, and PeopleCode enables administrators to more accurately understand what definitions in the database are used in their environment. This information can assist with impact analysis when applying updates or change packages. Usage Monitor information for managed objects can also be used in conjunction with the PeopleSoft Test Framework and (or) the LCM Insights feature.

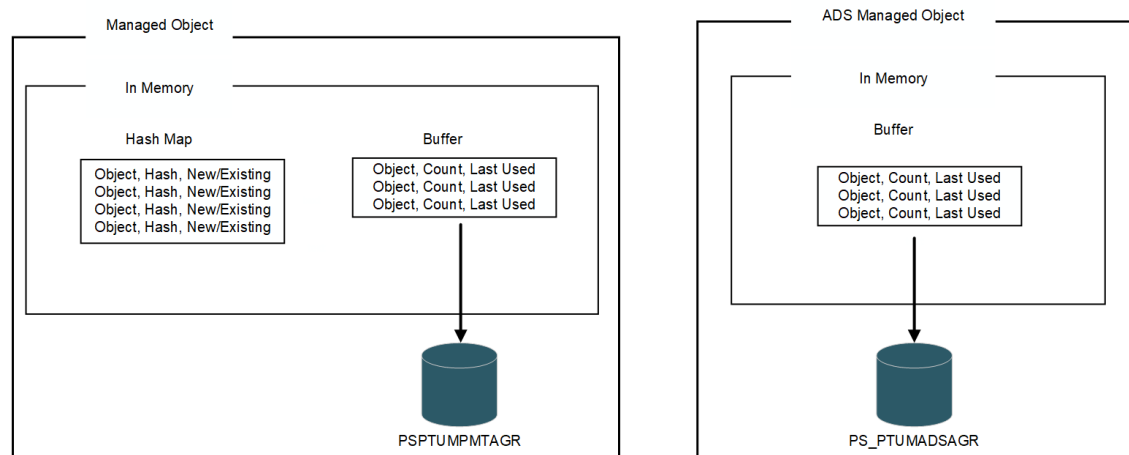
The data collected by the Usage Monitor for ADS objects enables users to understand what ADS instances are most used in their environment and can assist in impact analysis of how the change package may modify any used ADS instance in their environment.

See Lifecycle Management Guide: Application Data Set Overview and [Enabling Usage Monitor](#)

You can enable usage data collection on the Usage Monitoring Options page. See [Enabling Usage Monitor](#).

Architecture

The following diagram illustrates the data collection architecture of Usage Monitor.



For details on setting up buffer size for Usage Monitor data collection, review [Enabling Usage Monitor](#).

Enabling Usage Monitor

Access the Usage Monitoring Options page to enable either the MO usage data collection or ADS usage data collection. If you change the buffer size, ensure to restart the application server to activate your selection.

Navigation:

PeopleTools, and then **Lifecycle Tools**, and then **Usage Monitoring**, and then **Usage Monitoring Options**.

This example illustrates the fields and controls on the Usage Monitoring Options page. You can find definitions for the fields and controls later on this page.

Usage Monitoring Options

Data Collection Method

☒ Anonymous

☐ By UserId

Enable Managed Object Usage Monitoring

☐

Managed Object Buffer Size

50000

Managed Object Commit Size

2500

Enable ADS Usage Monitoring

☐

ADS Buffer Size

250

Process Scheduler Usage Monitoring Options

☐

Set Process Name and Process ID for Test Name and Test Case Name

Enable/disable Usage Monitoring and updating Managed Object commit size take effect immediately without a reboot. Buffer size changes require Application server domain reboot.

Aggregate Usage Monitor Data

Usage Data Retention Period

30

days

Aggregation Run Options

☐

Schedule

Run Now

[Logs](#)

Field or Control	Description
Data Collection Method	Set the data collection method with Anonymous or By UserId option. For further details, refer the subsequent Data Collection Method section.
Enable Managed Object Usage Monitoring	
Enable Managed Object Usage Monitoring	Select to enable the Usage Monitor for managed objects accessed through application server, Process Scheduler server, and Application Engine server. For further details, see the subsequent Enable Managed Object Usage Monitoring section.
Managed Object Buffer Size	This is used to manage the frequency of database writes such that, increasing the buffer size will reduce the database writes performed by Usage Monitor. For further details, see the subsequent Managed Object Buffer Size section.

Field or Control	Description
Managed Object Commit Size	Set this value to control the frequency of commits during database writes. Determining the optimal value of commit size will likely take some adjustment once usage collection is up and running and the volume of data being collected is better known. The default value and minimum value is 2500. The Managed Object commit size can also be updated without rebooting the Application Server and Process Scheduler Server. For details, see the subsequent Configuring Usage Monitoring Without Rebooting Servers topic.
Enable ADS Usage Monitoring	
Enable ADS Usage Monitoring	Select to enable the Usage Monitor for ADS instances accessed through application server, Process Scheduler server, and Application Engine server. For further details, see the subsequent Enable ADS Usage Monitoring section.
ADS Buffer Size	Set the buffer size. For further details, see the subsequent ADS Buffer Size section.
Process Scheduler Usage Monitoring Options	
Set Process Names and Process ID for Test Name and Test Case Name	When you select this option, the process name and process ID details get recorded for the usage data monitored by Application Engine server and Process Scheduler server. Note: This is not applicable for application server.
 Note You do not need to enable this option for LCM Insights.	
Aggregate Usage Monitor Data	
Usage Data Retention Period	Specifies the number of days for which Usage Monitor data is retained.
Aggregate Runtime Option	
Schedule	Use this to schedule Application Engine to purge and aggregate Managed Object data at a recurring interval. The Purging process removes both raw and aggregated data whose “last used” age exceeds the configured usage data retention period. The system first aggregates managed object data in PSPTUMPMTAGR table and then purges the aggregated data based on the selected retention period.

Field or Control	Description
Run Now	Runs the aggregation and purge process immediately.
Logs	Click on this link to check the log of the aggregator Application Engine program.

Data Collection Method

The data collection methods are:

- Anonymous- All usage by all users is collected and stored with the User ID value of ANONYMOUS.
- By UserId- All usage by all users is collected and stored with the UserID value of the user who accessed the object.

Selecting By UserId option significantly increases the amount of data collected.

For example, if you have ten users who use the same ten objects, then:

- The Anonymous option collects 1 anonymous user * 10 objects = 10 rows of data.
- The By UserId option collects 10 users * 10 objects = 100 rows of data.

You can select an option based on your environment:

- Production environment: The Anonymous option should be used in all cases when collecting usage data in this environment.
- Test and Development environments:
 1. The Anonymous option should be used when collecting usage data in these environments for the following use cases:
 - Collecting usage data for use with the LCM Insights feature.
 - General usage data collection for custom applications.
 - Using Usage Monitor for the first time or initial rollout to estimate the potential data volumes to be collected.
 2. The By UserId option should be used only when collecting usage data in the Test and Development environments for use cases that require this level of detail including the following:
 - Collecting usage data in conjunction with the PeopleSoft Test Framework (PTF) tool.
 - Usage data collection for custom applications that requires user level data.

Enable Managed Object Usage Monitoring

The use cases for Managed Object usage collection include collecting usage data for use with the LCM Insights feature, collecting usage data in conjunction with the PeopleSoft Test Framework (PTF) tool, and general usage data collection for custom applications.

Note

Enabling this option is required for LCM Insights.

PeopleSoft administrators can enable or disable MO and ADS object usage monitoring without rebooting the Application Server and Process Scheduler Server.

For details, see the subsequent *Configuring Usage Monitoring Without Rebooting Servers* topic.

Managed Object Buffer Size

The Buffer Size value determines the performance of the system. The default Managed Object buffer size is 50000 and the minimum value is 2500.

Each buffer row requires 700 bytes of memory, such that a Buffer size value of 200,000 will require 140 MB of available memory.

Each instance of the PSAPPSRV, PSAESRV, or PSPRCSSRV processes maintains its own buffer.

For example, a single machine running three instances of PSAESRV requires available memory equal to three times the defined buffer size.

Note: In addition to the buffer, Usage Monitor also maintains a Hash Map in memory. Each row in the Hash Map requires 200 bytes of memory. The size of the Hash Map is not configurable (like the buffer size) and is determined by the number of unique objects used in the system. The Hash Map is cleared only on server restart. Each server maintains its own Hash Map and the Hash Map ensures that a single server will only write unique rows to the database for as long as the server remains up. This reduces, but does not eliminate, the need for data aggregation actions of collected data for subsequent use and processing.

In order to optimize the number of database writes and data aggregation actions, the Buffer value should be set to a relatively large value that is ideally in line with the number of expected number of unique rows.

Factors that impacts the expected number of unique rows include:

- Data collection method (Anonymous or By UserID options).
- Number of users when collecting data with the By UserID option.
- Number of objects used in the system.

For example, HCM92 has nearly 700,000 unique Managed Objects. However, it is likely that not all of these are in use.

The buffer writes to the database when:

- the buffer is full.
- the Application server or Process Scheduler is shutdown.

If the Buffer Size value is set too high, the buffer may never fill, causing the process to write collected data to the database only during the server shutdown event.

Determining the optimal value for the buffer size will likely take some adjustment once usage collection is up and running and the volume of data being collected is better known.

Once usage Monitoring is collecting, the following query can be used to identify the number of unique objects collected to date. The result of this can then be used as a guide to set the optimal Managed Object Buffer size for your environment

```
SELECT COUNT(*) AS unique_count
      FROM (SELECT DISTINCT
            PTBUSTRANSACTION,
            OBJECTTYPE,
```

```
OBJECTVALUE1,  
OBJECTVALUE2,  
OBJECTVALUE3,  
OBJECTVALUE4,  
OBJECTVALUE5,  
OBJECTVALUE6,  
OBJECTVALUE7  
FROM PSPTUMPMTAGR) T;
```

When MO data is processed, there can be both insert and update operations. For new rows, the implementation uses bulk insert APIs instead of inserting records one at a time. This allows multiple rows to be inserted in a single operation, significantly improving insert performance.

Enable ADS Usage Monitoring

The use cases for ADS usage collection include General usage data collection for custom applications only.

The list of ADS instances that are monitored and recorded will be those identified in the PSADSTRACKITEM PeopleTools table.

Note

You do not need to enable this option for LCM Insights.

PeopleSoft administrators can enable or disable MO and ADS object usage monitoring without rebooting the Application Server and Process Scheduler Server.

For details, see the subsequent [Configuring Usage Monitoring Without Rebooting Servers](#)

ADS Buffer Size

Select this value to adjust the performance of the system. Each buffer row requires 1000 bytes of memory, such that a Buffer Size value of 200,000 will require 200 MB of available memory. While the buffer maintains a unique set of objects, the writes to the buffer flush events to the database can result in duplicate data that must subsequently be aggregated.

In order to minimize the number of database writes and data aggregation actions the Buffer value should be set to a relatively large value that is ideally in line with the number of expected number of unique rows.

The default ADS buffer size is 2500 and the minimum value is 250.

Set the buffer limit which determines how much data should be collected in the buffer before storing the data in the database. Depending on the ADS instances that are accessed, you can arrive at an optimum buffer size for usage pattern.

Determining the optimal value for the buffer size will likely take some adjustment once usage collection is up and running and the volume of data being collected is better known.

Factors that impacts the expected number of unique rows include:

- Collection mode.
- Number of users when collecting in By UserID option.
- Number of objects used in the system.

The buffer writes to the database when:

- the buffer is full.
- the Application server or Process Scheduler is shutdown.

If the Buffer Size value is set too high, the buffer may never fill, causing the process to write collected data to the database only during the server shutdown event.

To verify the Usage Monitor configuration:

1. On the Usage Monitoring Options page, set the Managed Object (MO) buffer size and the MO commit size to 2500, if you have selected to monitor MO usage.

Set the ADS buffer size to 250, if you have selected to monitor ADS usage.

Note

Until the buffer size value is reached, no Usage Monitor data will be written to the database.

Important

The values selected in step 1 are only to verify the Usage Monitor configuration, ensuring that data will be quickly written to the Usage Monitor tables. When you are using the Usage Monitor, you need to increase the Buffer Size value to a more appropriate "production" value. Refer to the documentation of Managed Object Buffer Size and Managed Object Commit Size given in the preceding table.

2. Shutdown and restart the application server domain and the PeopleSoft Internet Architecture.
3. Login to that application with your browser and navigate through a few pages and menus in the application.
4. With your SQL query tool, submit the following query on the monitoring database for managed objects:

```
SELECT * FROM PSPTUMPMTAGR
```

Note

The Usage Monitor managed object data is collected and stored in the PSPTUMPMTAGR table.

With your SQL query tool, submit the following query on the monitoring database for ADS instances:

```
SELECT * FROM PS_PTUMADSAGR
```

Note

The Usage Monitor ADS instance data is collected and stored in the PS_PTUMADSAGR table.

5. Verify that data is present in the table and that the timestamps correspond to the time you verified the Usage Monitor configuration.
6. Repeat the previous steps when setting the Buffer Size value to your production value.

Configuring Usage Monitoring Without Rebooting Servers

PeopleSoft administrators can enable or disable MO and ADS object usage monitoring without rebooting the Application Server and Process Scheduler Server.

The Managed Object commit size can also be updated without rebooting the Application Server and Process Scheduler Server.

For details, see [Enabling Usage Monitor](#) topic.

Using Server Domain Configuration Options

When Usage Monitoring is enabled across multiple domains, the PeopleSoft system can experience excessive load.

To reduce system load, you can configure Usage Monitoring values at the domain level by using the Application Server (psappsrv.cfg) and Process Scheduler Server (psprcs.cfg) domain configuration files.

This also minimizes excessive Usage Monitor data collection.

This is an example of a psappsrv.cfg file:

```
...
[PSTOOLS]
;-----
; Usage Monitor Specific Option:
; When the value 0 is set for 'Usage Monitoring' - this domain would
; not monitor the usage even though 'Usage Monitoring' is enabled System Wide.
UMOption=1
...
```

Usage Monitoring is enabled or disabled based on the UMOption parameter.

When the domain starts, the system checks this value and enables Usage Monitoring if it is set to 1; otherwise, it disables Usage Monitoring if it is set to 0.

This helps administrators control Usage Monitoring at the domain level and avoid running it across all domains.

Note

The UMOption parameter is checked when the server starts. If the value is changed, the update takes effect only after the server is restarted. Even if the System Personalization option is set to On, Usage Monitoring is disabled for the domain when UMOption is set to 0.

Consider the following points when configuring UMOption:

- Setting UMOption is a prerequisite step for controlling Usage Monitoring at the domain level. Setting UMOption alone does not enable Usage Monitoring. You must also enable Usage Monitoring in Usage Monitoring Options page. For details, see, [Enabling Usage Monitor](#)
- At least one server domain must have UMOption set to 1 for Usage Monitor to collect data.
- The UMOption setting applies to all server processes in the domain. When UMOption is set to 1, all eligible server processes in the domain can collect usage data. When UMOption is set to 0, no server processes in the domain collect usage data.
- The UMOption parameter is checked when the server domain starts. If you change the value, the change takes effect only after the server domain is restarted. Even if Usage Monitoring is enabled on the Usage Monitoring Options page, usage monitoring is disabled for the domain when UMOption is set to 0. For details on enabling or disabling MO and ADS object usage monitoring without rebooting the Application Server and Process Scheduler Server, see [Enabling Usage Monitor](#)

Using System Personalization Options

To enable or disable either the MO usage data collection or ADS usage data collection on a system-level, we can use the Define Personalizations page.

You can consider this as an alternative to the Usage Monitoring Options page.

Note

It is recommended to use the Usage Monitoring Options page where you can enable or disable MO and ADS object usage monitoring without rebooting the Application Server and Process Scheduler Server. See, [Enabling Usage Monitor](#).

Navigate to **PeopleTools**, and then **Personalizations**, and then **Define System Personalizations** to access the Define Personalizations page.

This example illustrates the fields and controls on the Define Personalizations page.

Define Personalizations							
Define Personalizations							
59-83 of 84 View All							
Definition	Format	Explanation					
User Option	Description	Option Category Group	Option Category	User Option Type	Locale Based		
PTUSEMON	Usage Monitor Option	PS Internet Architecture	General Options	System	☐	+	-
PTUSEMONMOCL	Usage Monitor MO Commit Limit	PS Internet Architecture	General Options	System	☐	+	-
SCLANG	Spell Check Dictionary	PS Internet Architecture	General Options	System	☐	+	-

The Usage Monitor options are:

- USEMON- Use this option to enable or disable MO and ADS monitoring.
- USEMONMOCL- Use this option to set MO commit size without rebooting the servers.

On the Format page, in the Set Option Default Value column, click Set Option Default Value.

This opens the Set Option Default Values page.

Set Option Default Values

×

Help

Set Option Default Value

Option Category Level	PeopleTools
User Option	PTUSEMON
Description	Usage Monitor Option
Current Default Value	MO&ADS Usage Mon OFF
Option Default Value	ADS Usage Mon ON MO Usage Mon ON MO&ADS Usage Mon OFF MO&ADS Usage Mon ON

OK

Cancel

For USEMON, these are the options. The change takes effect without requiring a restart of the server processes:

- ADS Usage Mon ON- Only ADS objects will be monitored.
- MO Usage Mon ON- Only MO objects will be monitored.
- MO&ADS Usage Mon OFF- This disables MO and ADS usage monitoring.
- MO&ADS Usage Mon ON- This enables MO and ADS usage monitoring.

Similarly, for the USEMONMOCL option, the value that you set takes effect during the next Usage Monitor database write operation. No restart of the Application Server or Process Scheduler server is required.

For example, on the Usage Monitoring Options page, the Managed Object commit size is 2500. You set it to 5000 on the Set Option Default Values page. The server continues to run. During the next Usage Monitor commit cycle, it uses 5000 instead of 2500. No server reboot is required.

The following table describes how each combination of values affects a server domain.

Table 1-1 Usage Monitoring Status Based on UMOption and USEMON Settings

Server Domain Configuration (UMOption)	System Personalization Option (USEMON)	Usage Monitoring
1	Usage Monitoring is enabled	ON
0	Usage Monitoring is enabled	OFF
1	Usage Monitoring is disabled	OFF
0	Usage Monitoring is disabled	OFF

Associating Test Names and Test Cases

When the Usage Monitor is enabled and collecting usage data, the information is stored associated with a user ID or anonymously, depending on the options selected for the Usage Monitoring State parameter in the application server domain configuration.

To associate a test name and test case with usage monitoring managed object data and ADS instance data, use the Test Usage Monitoring page. This can help to sort the generated usage data, especially for usage data for PeopleSoft Test Framework tests.

Note

This is only an option when data is collected using the By UserID option.

Associating Test Names and Test Cases

Access the Test Usage Monitoring page by selecting

PeopleTools, and then **LifeCycle Tools**, and then **Usage Monitoring**, and then **Test Usage Monitoring**.

This example illustrates the fields and controls on the Test Usage Monitoring page to test usage monitoring for managed objects and ADS instances.

Test Usage Monitoring

UsageMonitoring

Test Data

Test Name

GES_TEST

Test Case

TC_1423

Start Test

Stop Test

Notify

Enter a Test Name and Test Case value to associate specific usage data with individual tests and test cases.

To begin a test, click Start Test.

To end a test, click Stop Test.

To view the data collected during the test, you can use the Test Name and Test Case value to retrieve information specific to a particular test case.

To retrieve information about a managed object test case, for example:

```
SELECT * FROM PSPTUMPMTAGR
WHERE PTTST_NAME = 'GES_TEST'
AND PTTST_CASE_NAME = 'TC_1423' ;
```

To retrieve information about a ADS instance test case, for example:

```
SELECT * FROM PS_PTUMADSAGR
WHERE PTTST_NAME = 'GES_TEST'
AND PTTST_CASE_NAME = 'TC_1423' ;
```

Where PTTST_NAME is the Test Name value, and PTTST_CASE_NAME is the Test Case value.

Integrating Usage Monitor Data with PeopleSoft Test Framework

The Usage Monitor provides additional information for analysis when determining test coverage for Managed Objects with the PeopleSoft Test Framework.

For this integration, we need to enable Managed Object usage monitoring and use the By UserID data collection option.

In the PeopleSoft Test Framework (PTF), a test coverage report for managed objects correlates PeopleTools project data with PTF test metadata to identify components, menus, pages, records and fields that are referenced in PTF tests. When used in conjunction with Usage Monitor, test coverage correlations can be extended to include information on all definitions (including PeopleCode, Application Engine programs, and so on) from a usage perspective. A test coverage report identifies which managed objects included in the change project are referenced by which PTF test. Definitions included in the change project that are not referenced in the PTF test metadata or Usage Monitor data appears in the report identified as a coverage gap.

Integrating Usage Monitor Data with LCM Insights

Use the usage data of managed objects to set up LCM Insights.

For this integration, we need to enable Managed Object usage monitoring and use the Anonymous data collection option.

In LCM Insights, the usage data combines with the customization data to provide information such as the percentage of customizations in the environment, details of which customizations are used and which are not.

This information helps to identify the customized objects that are regularly impacted by application maintenance.