
PeopleTools 8.61: 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 Website](#).

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, and 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."

To configure the context-sensitive help for your PeopleSoft applications to use a locally installed online help website, see [Configuring Context-Sensitive Help Using a Locally Installed Online Help Website](#).

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 two main types of common help are:

- Application Fundamentals

- Using PeopleSoft Applications

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.

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.

<i>Typographical Convention</i>	<i>Description</i>
Key+Key	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 Alt+W , hold down the Alt key while you press the W 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.

<i>Typographical Convention</i>	<i>Description</i>
⇒	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 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.

Example of a region-specific heading: "(Latin America) Setting Up Depreciation"

Region Identifiers

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

- Asia Pacific
- Europe
- Latin America
- North America

Industry Identifiers

Industries are identified by the industry name or by an abbreviation for that industry. The following industry identifiers 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

[PeopleTools 8.61 Home Page](#)

[PeopleSoft Search and Insights Home Page](#)

“PeopleTools Product/Feature PeopleBook Index” (Getting Started with PeopleTools)

[PeopleSoft Online Help](#)

[PeopleSoft Information Portal](#)

[PeopleSoft Spotlight Series](#)

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

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Please include the applications update image or PeopleTools release that you’re using.

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Chapter 1

Getting Started with Usage Monitor

Usage Monitor Overview

The Usage Monitor monitors managed object data as well as Application Data Set (ADS) instance data accessed by users through the PeopleSoft Internet Architecture (PIA).

The data collected by the Usage Monitor for managed objects such as pages, components, and PeopleCode, which are accessed by users through the PIA, 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.

For tracking Application Data Set (ADS) instance data in the PIA, Usage Monitor collects ADS instance usage data and stores it in the PS_PTUMADSAGR table. The data collected 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 “Application Data Set Overview” (Lifecycle Management Guide) and [Enabling Usage Monitor](#)

Enabling Usage Monitor

To enable Usage Monitor, select the Enable Usage Monitoring option on the Usage Monitoring Options page.

Navigation:

PeopleTools > LifeCycle Tools > Usage Monitoring > Usage Monitoring Options.

By default, this option is not selected. After selecting this option, ensure to restart the application server.

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

☒ Usage Monitoring Options

Enable Managed Object Usage Monitoring

☐ Enable Managed Object Usage Monitoring

Managed Object Buffer Size

2500

Enable ADS Usage Monitoring

☐ Enable ADS Usage Monitoring

ADS Buffer Size

250

Data Collection Method

☐ By UserId

☒ Anonymous

Changes to the Usage Monitoring Options will not take effect until the Application server domain is rebooted.

Purge Usage Monitor Data

After: 30 days

Purge Managed Object Data

Purge ADS Data

Process Monitor

Save

Notify

Field or Control	Description
Enable Managed Object Usage Monitoring	Select to enable the Usage Monitor for managed objects so that system usage data can be collected for analysis and for incorporation with the PeopleSoft Testing Framework.

Field or Control	Description
Managed Object Buffer Size	<p>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 pages that are accessed and your testing needs, you can arrive at an optimum buffer size for your usage pattern.</p> <p>The Buffer Size value affects the performance of the system. Setting the value too low will increase the number of buffer writes to the database and increase the amount of data aggregation required. A Managed Object Buffer Size value of 2500 is a "minimum" production value. The actual value you set for a particular system should be based on a variety of factors, including:</p> <ul style="list-style-type: none"> • number of users. • whether the monitoring is being recorded anonymously or by user ID. • number of objects accessed in the database during Usage Monitor tests. • amount of available system memory that can be allocated to the Usage Monitor buffers. <p>Setting the value too high prevents the buffers from being flushed, with no data being written to the database.</p> <hr/> <p>Note: To flush a partially full Usage Monitor buffer, the application server need to be restarted.</p> <hr/>
Enable ADS Usage Monitoring	Select to enable the Usage Monitor for ADS instances so that ADS instance data can be stored on PeopleSoft system and added in PS_PTUMADSAGR table.
ADS Buffer Size	<p>The Buffer Size value affects the performance of the system. Setting the value too low will increase the number of buffer writes to the database and increase the amount of data aggregation required. Setting the value too high prevents the buffers from being flushed, with no data being written to the database. An ADS Buffer Size value of 250 is set by default. The actual value you set for a particular system should be based on a variety of factors, including:</p> <ul style="list-style-type: none"> • number of users. • whether the monitoring is being recorded anonymously or by user ID. • number of ADS instances accessed in the database during Usage Monitor tests. • amount of available system memory that can be allocated to the Usage Monitor buffers.

Field or Control	Description
Data Collection Method	<p>Use this option to capture</p> <ul style="list-style-type: none"> Anonymous- All users are monitored, and all users are set as anonymous unless it is a testing activity. <p>Anonymous data is collected unless the user configures the Test Name and Test Case Name fields on the Usage Monitoring page.</p> <ul style="list-style-type: none"> By UserId- All users are monitored, and user name will appear in Usage Monitor data.
After <N> days	N specifies the retention period or the number of days during which the Usage Monitor data remains in the PSPTUMPMTAGR table.
Purge Managed Object Data	Usage Monitor managed object data older than the retention period gets deleted when you click the Purge Managed Object Data button.
Purge ADS Data	ADS instance data older than the retention period gets deleted when you click the Purge ADS Data button.

To verify the Usage Monitor configuration:

1. On the Usage Monitoring Options page, set the Buffer Size to 50.

Note: Until the Buffer Size value is reached, no Usage Monitor data will be written to the database.

Important! This buffer value of 50 is only for verifying 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. The default is 2500. Refer to the Lifecycle Tools Options page documentation for further details on the Buffer Size field.

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
```

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

```
SELECT * FROM PS_PTUMADSAGR
```

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.

Verifying Usage Monitor Data Collection

While the Usage Monitor managed object data is collected and stored in the PSPTUMPMTAGR table, the Usage Monitor ADS instance data is collected and stored in the PS_PTUMADSAGR table.

To view managed object data, you can run the following query using your SQL query tool:

```
SELECT * FROM PSPTUMPMTAGR;
```

To view ADS instance data, you can run the following query using your SQL query tool:

```
SELECT * FROM PS_PTUMADSAGR;
```

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.

Associating Test Names and Test Cases

Access the Test Usage Monitoring page by selecting

PeopleTools > LifeCycle Tools > Usage Monitoring > 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

Test Case

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 Lifecycle Management Tools

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

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.

