

# Oracle® WebLogic Portal

Cache Reference

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Oracle WebLogic Portal Cache Reference, 10g Release 3 (10.3)

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# WebLogic Portal Cache Reference

This reference guide lists the available caches for WebLogic Portal that can be managed within the Portal Administration Console.

Caches referenced in this guide can be modified within the Administration Console. Although some caches are not pre-configured within the Administration Console, you can add these caches to the Administration Console.

This book includes the following sections:

- [Adding a Cache](#)
- [Weblogic Portal Framework Caches](#)
- [WSRP Caches](#)
- [Content and Ad Caches](#)
- [User Management Caches](#)
- [Campaign and Discount Caches](#)

## Adding a Cache

If you want to use a cache that is not in the list of configured caches, you must add the cache to the Portal Administration Console.

To add a cache:

1. Choose **Configuration & Monitoring > Service Administration**.

2. Select **Cache Manager** in the Resource Tree.
3. In the Browse tab, click **Add Cache**.
4. Enter the name of the cache.
5. Optionally, enter or modify the default cache configuration settings.
6. Click **Update**. The cache you added appears in the list of caches.

## Weblogic Portal Framework Caches

[Table 1](#) through [Table 18](#) detail information on WebLogic Portal framework caches.

**Table 1** CategoryTreeCache

<b>Cache</b>	CategoryTreeCache
<b>Use</b>	Holds portlet category trees
<b>Key</b>	Webapp name
<b>Value</b>	CategoryTree objects
<b>Notes</b>	

**Table 2** communitiesEntityPropertyCache

<b>Cache</b>	communitiesEntityPropertyCache
<b>Use</b>	Holds community membership capability information for users accessing communities
<b>Key</b>	A combination of community definition ID and the user name
<b>Value</b>	A map of community membership capabilities
<b>Notes</b>	This cache optimizes access to community membership properties for members of a community. Base the cache size on the expected number of users and the expected number of communities that each user would normally access within the same time period. Misses to this cache generally result in one database call per request where the miss occurred.

**Table 3 communitiesMemberActiveCache**

<b>Cache</b>	communitiesMemberActiveCache
<b>Use</b>	Caches information about active status for community members
<b>Key</b>	Username
<b>Value</b>	A String representing the users' community member record active status
<b>Notes</b>	This information is used with status for individual community memberships to determine overall active status. Size this cache proportionately to the number of community users that you expect to be logged in at the same time. Misses to this cache generally result in one database call per request where the miss occurred.

**Table 4 portalContentUriCache**

<b>Cache</b>	portalContentUriCache
<b>Use</b>	Used to store portal content URIs for a combination of webapp, portal, locale and optional user name
<b>Key</b>	Key is equal to portal path + name of web application
<b>Value</b>	Portal content URI
<b>Notes</b>	Set this cache according the number of portals that have associated content URIs. The default values are recommended. Default values: MaxEntries=500; TimeToLive=-1.

**Table 5 portalLocalizationLocaleCache**

<b>Cache</b>	portalLocalizationLocaleCache
<b>Use</b>	Used to store collection of LocalizationLocale objects (LocalizationLocale specifies language, character encoding, country, and variant)
<b>Key</b>	The key is private static final String called portalLocalizationLocaleCachekey.

**Table 5 portalLocalizationLocaleCache (Continued)**

<b>Value</b>	A set of LocalizationLocale objects
<b>Notes</b>	Default TTL value should be okay. Max Entries could be set to a number based on the number of rows in the L10N_LOCALE table, i.e. number of supported locales. Default values: MaxEntries=500; TimeToLive=-1.

**Table 6 portletControlTreeCache**

<b>Cache</b>	portletControlTreeCache
<b>Use</b>	Used to store portlet control trees for floating portlets
<b>Key</b>	The combination portletInstanceId and locale
<b>Value</b>	A portlet control tree
<b>Notes</b>	Default TTL value should be okay, MaxEntries could be set to a number based on number of floatable portlet instances in a portal (including user customized portlets) and number of supported locales.  It is recommended that the TTL be left at -1 because the cached default desktop needs to be kept in the cache indefinitely and the cached item for a logged in user is removed when they log out so there is no need to expire a user's cached items. To avoid having the LRU mechanism kick the cached default desktop out of the cache, the MaxEntries should be set to at least (max # of concurrent logged in users + 1) X (# of locales supported). If the cache is too small then LRU will kick out the cached default desktop and the memory saving advantage of this approach will be lost.  Default values: MaxEntries=500; TimeToLive=-1.

**Table 7 PortletCategoryCache**

<b>Cache</b>	PortletCategoryCache
<b>Use</b>	Holds portlet category objects
<b>Key</b>	PortletCategoryDefinitionId



**Table 7 PortletCategoryCache (Continued)**

<b>Value</b>	PortletCategoryDefinition objects
<b>Notes</b>	

**Table 8 portletPreferencesCache**

<b>Cache</b>	portletPreferencesCache
<b>Use</b>	Used to store portlet preferences
<b>Key</b>	An instance of PortletPreferenceId
<b>Value</b>	A map of preferences
<b>Notes</b>	Default TTL and Max Entries values could be set to a value depending on amount of available memory and total number of preferences (at the application level). Defaults: MaxEntries = 500, TimeToLive=60000 (one minute).

**Table 9 portalLocalizationResourceCache**

<b>Cache</b>	portalLocalizationResourceCache
<b>Use</b>	Used to store localization resources
<b>Key</b>	The localizationIntersection
<b>Value</b>	A LocalizationResource
<b>Notes</b>	Default TTL and MaxEntries values could be set to a value based on total number of localization resources in the system, which is a combination of non-customized and customized localization resources, and the amount of available memory. Default values: MaxEntries=500; TimeToLive=-1

**Table 10 portalControlTreeCache**

<b>Cache</b>	portalControlTreeCache
<b>Use</b>	Used to store portal control trees (only used for streaming portals)
<b>Key</b>	The combination of webapp, portal, desktop, locale and optional user name
<b>Value</b>	A portal control tree
<b>Notes</b>	<p>Default TTL value should be okay. This cache will contain one entry for the default portal, plus one entry for each user who has customized his or her portal. Max Entries could be set to a number based on number of users and available memory. If there are any changes to portal this cache will be flushed.</p> <p>Default values: MaxEntries=500; TimeToLive=-1</p>

**Table 11 portalLayoutDefinitionCache**

<b>Cache</b>	portalLayoutDefinitionCache
<b>Use</b>	Holds LayoutDefinition objects
<b>Key</b>	LayoutDefinitionId
<b>Value</b>	LayoutDefinition objects
<b>Notes</b>	

**Table 12 portalMarkupdefinitionCache**

<b>Cache</b>	portalMarkupdefinitionCache
<b>Use</b>	Used to store MarkupDefinition objects
<b>Key</b>	A MarkupDefintionID

**Table 12 portalMarkupdefinitionCache (Continued)**

<b>Value</b>	A MarkupDefinition
<b>Notes</b>	Set this according to the number of rows in the PF_MARKUP_Definition. Markup is the blueprint for a portal library resource (desktop, book, page, portlet, placeholder, menu, Look And Feel, layout, shell or theme). Default values: MaxEntries=500; TimeToLive=60000 (one minute).

**Table 13 portalThemeDefinitionCache**

<b>Cache</b>	portalThemeDefinitionCache
<b>Use</b>	Holds ThemeDefinition objects
<b>Key</b>	ThemeDefinitionId
<b>Value</b>	ThemeDefinition objects
<b>Notes</b>	

**Table 14 netuix.community.definition.cache**

<b>Cache</b>	netuix.community.definition.cache
<b>Use</b>	Holds community definitions
<b>Key</b>	A combination of webapp name, portal path, and desktop path for a community
<b>Value</b>	CommunityDefinition objects
<b>Notes</b>	

**Table 15 netuix.community.id.to.path.cache**

<b>Cache</b>	netuix.community.id.to.path.cache
<b>Use</b>	Maps community definition IDs to the communities' webapp names, desktop path, and portal path
<b>Key</b>	A CommunityDefinitionId
<b>Value</b>	The communities' webapp names, desktop path, and portal path
<b>Notes</b>	

**Table 16 netuix.notification.global**

<b>Cache</b>	netuix.notification.global
<b>Use</b>	Holds notifications targeted to a user, but not targeted to an individual web application
<b>Key</b>	Username
<b>Value</b>	ArrayList of Notification objects
<b>Notes</b>	

**Table 17 wlp.urlCompression.compressed**

<b>Cache</b>	wlp.urlCompression.compressed
<b>Use</b>	Maps compressed URL IDs to the expanded URL
<b>Key</b>	The numeric compressed URL ID
<b>Value</b>	The expanded URL
<b>Notes</b>	

**Table 18** `wlp.urlCompression.expanded`

<b>Cache</b>	<code>wlp.urlCompression.expanded</code>
<b>Use</b>	Maps expanded URLs into compressed URL IDs
<b>Key</b>	Expanded (full) URLs
<b>Value</b>	Compressed URL ID
<b>Notes</b>	

## WSRP Caches

[Table 19](#) through [Table 24](#) detail information on WSRP caches.

**Table 19** `remoteProducerInfoCache`

<b>Cache</b>	<code>remoteProducerInfoCache</code>
<b>Use</b>	Caches the metadata for producers added to a consumer application
<b>Key</b>	Name of the consumer web application
<b>Value</b>	A <code>java.util.HashMap</code> containing producer metadata. This map is keyed with the <code>producerHandle</code> of each producer.
<b>Notes</b>	This cache is used to look for producer metadata when a user or administrator is trying to interact with a remote portlet or a producer. Default values: <code>MaxEntries=500</code> ; <code>TimeToLive=-1</code> .

**Note:** The `remoteProducerInfoCache` is not included in the Administration Console. If you want to manage this cache, you need to add it manually, see [Adding a Cache](#).

**Table 20 registrationHandleCache**

<b>Cache</b>	registrationHandleCache
<b>Use</b>	Used to store registration handles of all registered consumers, for all producers
<b>Key</b>	The <code>registrationHandle</code> of the consumer
<b>Value</b>	A <code>java.lang.boolean</code> object with a value of true or false
<b>Notes</b>	This cache is used to cache whether or not a particular <code>registrationHandle</code> is valid. Default values: <code>MaxEntries=500;TimeToLive=-1</code> .

**Note:** The `registrationHandleCache` is not included in the Administration Console. If you want to manage this cache, you need to add it manually. See [Adding a Cache](#).

**Table 21 proxyPortletCache**

<b>Cache</b>	proxyPortletCache
<b>Use</b>	This caches the ProxyPortlets by <code>proxyportletId</code>
<b>Key</b>	String representing the portlet instance ID
<b>Value</b>	Information from the consumer registry and about the proxy portlet instance ( <code>com.bea.wsrp.services.persistence.internal.ProxyPortletInfoInternal.ProxyPortletInfoInternalObject</code> ).
<b>Notes</b>	Default values: <code>MaxEntries: 100; TimeToLive = -1</code> .

**Table 22 proxyPortletRendeDependenciesCache**

<b>Cache</b>	proxyPortletRendeDependencies Cache
<b>Use</b>	This caches render dependencies obtained from remote producers

**Table 22 proxyPortletRendeDependenciesCache (Continued)**

<b>Key</b>	RenderDependencyCacheKey (the proxy portlet's Unique ID) containing: <ul style="list-style-type: none"> <li>• Versioned app name</li> <li>• Webapp name</li> <li>• Producer handle</li> <li>• WSDL URL</li> <li>• Namespace prefix</li> </ul>
<b>Value</b>	Array containing: <ul style="list-style-type: none"> <li>• List&lt;IRenderDependencyTag&gt;</li> <li>• List&lt;IScriptFragment&gt;</li> </ul>
<b>Notes</b>	Used when the cacheRenderDependencies property (in the .portlet file) is true and the portlet is a WSRP proxy portlet. Max entries: 500; TTL: Unlimited.

**Table 23 complexProducerPortletHandleToIdCache**

<b>Cache</b>	complexProducerPortletHandleToIdCache
<b>Use</b>	The complex producer (WSRP) uses this cache to look up the portlet's primary instance ID
<b>Key</b>	The remote portlet's handle
<b>Value</b>	The remote portlet's primary instance ID
<b>Notes</b>	Should be sized to fit the number of remote portlets in concurrent use. Default values: Size: 1000; TTL: 1 hour.

**Table 24 complexProducerPortletIdToDefinitionLabel**

<b>Cache</b>	complexProducerPortletIdToDefinitionLabel
<b>Use</b>	The complex producer (WSRP) uses this cache to look up the portlet's definition label
<b>Key</b>	The remote portlet's ID

**Table 24** `complexProducerPortletIdToDefinitionLabel`

<b>Value</b>	The remote portlet's definition label
<b>Notes</b>	Should be sized to fit the number of remote portlets in concurrent use. Default values: Size: 1000; TTL: 1 hour.

## Content and Ad Caches

[Table 25](#) through [Table 38](#) detail information for content and ad caches.

**Table 25** `adServiceCache`

<b>Cache</b>	<code>adServiceCache</code>
<b>Use</b>	Used to store the results of searches for content rendered in a placeholder (ads). Used by the AdHelper to increase the speed of ad queries.
<b>Key</b>	The ad query ( <code>java.lang.String</code> )
<b>Value</b>	A Content []
<b>Notes</b>	Set this according to the number of ad queries and the amount of content expected to be retrieved. Consider basing the maximum size on the total number of ad queries. If the ads returned from a particular query do not change, consider increasing the TTL. Default values: <code>MaxEntries=32</code> ; <code>TimeToLive=300000</code> (five minutes).

**Table 26** `nodePathCache.repository_name`

<b>Cache</b>	<code>nodePathCache.repository_name</code>
<b>Use</b>	Used to store a list of nodes for a repository based on a path
<b>Key</b>	A String (Node path)
<b>Value</b>	A node
<b>Notes</b>	Set according to the number of nodes in a repository. Default values: <code>MaxEntries=50</code> ; <code>TimeToLive=60000</code> (one minute).



**Table 27** *binaryCache.repository\_name*

<b>Cache</b>	<i>binaryCache.repository_name</i>
<b>Use</b>	Used to store binary property values for a repository node
<b>Key</b>	String (node ID + Property ID)
<b>Value</b>	A byte array associated with the binary property
<b>Notes</b>	Set this according to the number and size of binary property values. Default values: MaxEntries: 10; TimeToLive:60000 (one minute).

**Table 28** *nodeCache.repository\_name*

<b>Cache</b>	<i>nodeCache.repository_name</i>
<b>Use</b>	Used to store a list of nodes for a repository based on an ID
<b>Key</b>	An ID (NodeID)
<b>Value</b>	A node
<b>Notes</b>	Set according to the number of nodes in a repository. Default values: MaxEntries=50; TimeToLive=60000 (one minute).

**Table 29** *repositoryConfigCache*

<b>Cache</b>	<i>repositoryConfigCache</i>
<b>Use</b>	VCR cache; caches repository configuration information
<b>Key</b>	(String) repository name
<b>Value</b>	RepositoryConfig object associated with that repository name
<b>Notes</b>	

**Table 30** `repo.explicitPropertyCache`

<b>Cache</b>	<code>repo.explicitPropertyCache</code>
<b>Use</b>	WLP repository cache; caches explicit property information for all WLP repositories
<b>Key</b>	(String) repository name
<b>Value</b>	Collection of repository property definition information for explicit properties in that WLP repository.
<b>Notes</b>	

**Table 31** `repo.nodeIdCache.repository_name`

<b>Cache</b>	<code>repo.nodeIdCache.repository_name</code>
<b>Use</b>	WLP repository cache; caches node information for a specific WLP repository instance
<b>Key</b>	Node ID
<b>Value</b>	Repository node data
<b>Notes</b>	

**Table 32** `repo.nodePathCache.repository_name`

<b>Cache</b>	<code>repo.nodePathCache.repository_name</code>
<b>Use</b>	WLP repository cache; caches node information for a specific WLP repository instance
<b>Key</b>	Node path
<b>Value</b>	Repository node data
<b>Notes</b>	

**Table 33** *repo.typeBinaryCache.repository\_name*

<b>Cache</b>	<i>repo.typeBinaryCache.repository_name</i>
<b>Use</b>	WLP repository cache; caches node binary property information for a specific WLP repository instance
<b>Key</b>	Node UID + binary property UID
<b>Value</b>	Byte[]
<b>Notes</b>	

**Table 34** *repo.typeIdCache.repository\_name*

<b>Cache</b>	<i>repo.typeIdCache.repository_name</i>
<b>Use</b>	WLP repository cache; caches node type information for a specific WLP repository instance
<b>Key</b>	Type (objectclass) ID
<b>Value</b>	Repository type data
<b>Notes</b>	

**Table 35** *repo.typeNameCache.repository\_name*

<b>Cache</b>	<i>repo.typeNameCache.repository_name</i>
<b>Use</b>	WLP repository cache; caches node type information for a specific WLP repository instance
<b>Key</b>	Type (objectclass) name
<b>Value</b>	Repository type data
<b>Notes</b>	

**Table 36 searchCache**

<b>Cache</b>	searchCache
<b>Use</b>	Used to store an array of IDs for nodes that satisfy a content search
<b>Key</b>	A Search, which contain parameters for a query
<b>Value</b>	An ID array of nodes that satisfy a query
<b>Notes</b>	There is only one search cache used for all repositories. Default values: MaxEntries=20; TimeToLive=60000 (one minute). Set the MaxEntries according to the amount of content expected to be retrieved. Set Time To Live according to how fresh you want the content.

**Table 37 typeCache.repository\_name**

<b>Cache</b>	typeCache.repository_name
<b>Use</b>	VCR cache, caches Type (ObjectClass) information
<b>Key</b>	ObjectClass ID
<b>Value</b>	ObjectClass object
<b>Notes</b>	

**Table 38 typeNameCache.repository\_name**

<b>Cache</b>	typeNameCache.repository_name
<b>Use</b>	VCR cache, caches Type (ObjectClass) Name --> TypeID mapping
<b>Key</b>	ObjectClass Name
<b>Value</b>	ObjectClass ID
<b>Notes</b>	

# User Management Caches

Table 39 through Table 44 detail information on user management caches.

**Table 39** entityIdCache

<b>Cache</b>	entityIdCache
<b>Use</b>	Caches the ID for an entity (user or group ID)
<b>Key</b>	A com.bea.p13n.property.PropertyLocator. PropertyLocator is based on a user or group name (ENTITY.ENTITY_NAME) and entity type (ENTITY.ENTITY_TYPE).
<b>Value</b>	The entity ID (java.lang.Long)
<b>Notes</b>	Use the ENTITY table as a guide for the maximum size. The object being stored is a Long, which is fairly small. Therefore, it might be possible to set this cache's maximum size to the number of entries in the ENTITY table. Consider how often the ENTITY table might change when setting the TTL. Default values: MaxEntries=500;TimeToLive=600000.

**Table 40** jndiNameCache

<b>Cache</b>	jndiNameCache
<b>Use</b>	Stores the JNDI names of entity property managers and UUP managers
<b>Key</b>	An entity ID
<b>Value</b>	The home name, which is a string value
<b>Notes</b>	Set this according to the combination of the number of entity property managers and the number of UUP managers. Default values: MaxEntries=500;TimeToLive=600000.

**Table 41 entityPropertyCache**

<b>Cache</b>	entityPropertyCache
<b>Use</b>	Caches property values for users and groups
<b>Key</b>	A com.bea.p13n.property.PropertyLocator. PropertyLocator is based on the user or group name (ENTITY.ENTITY_NAME), entity type (ENTITY.ENTITY_TYPE, user or group) and property set type (PROPERTY_KEY.PROPERTY_SET_TYPE, usually USER).
<b>Value</b>	A com.bea.p13n.property.EntityPropertyCache object. This object contains a Map that stores property values keyed off the property set name and property name.
<b>Notes</b>	<p>The larger you can afford to make this cache, the better.</p> <p>Use the ENTITY table as a guide for maximum size. The number of entries in this table should be the maximum number of cache entries that would ever be created. In most cases, there will be more entries here than you would want for a maximum cache size. So consider the average number of users you expect to be using your application at the same time.</p> <p>Consider a TTL based on how often new properties will be added to the property sets. If they are not being modified often, then a higher TTL might be appropriate.</p> <p>Default values: MaxEntries=500;TimeToLive=600000.</p>

**Table 42 profileTypeCache**

<b>Cache</b>	profileTypeCache
<b>Use</b>	Caches user profile types that are used to look up the appropriate user manager profile manager when retrieving a user profile
<b>Key</b>	A String (the user name)
<b>Value</b>	A String (the profile type)
<b>Notes</b>	This should be set based on the number of concurrent users. Set the TimeToLive never to expire. Default values: MaxEntries=100;TimeToLive=3600000.

**Table 43** `propertyKeyIdCache`

<b>Cache</b>	<code>propertyKeyIdCache</code>
<b>Use</b>	Caches the unique ID associated with a property set type, property set and property name combination (primary key in the <code>PROPERTY_KEY</code> database table).
<b>Key</b>	Based on a property set type, property set, and property name combination (inner class called <code>PropertyKeyLocator</code> ).
<b>Value</b>	The ID ( <code>java.lang.Long</code> ).
<b>Notes</b>	<p>Maximum size should be set with an eye towards the maximum number of properties in the application (use the <code>PROPERTY_KEY</code> table as an indicator).</p> <p>Consider a TTL based on how often these unique ID combinations are likely to change.</p> <p>Default value: <code>MaxEntries=500;TimeToLive=600000</code>.</p>

**Table 44** `credentialEntryCache`

<b>Cache</b>	<code>credentialEntryCache</code>
<b>Use</b>	Caches credential vault entries with encrypted credential
<b>Key</b>	<code>com.bea.p13n.security.management.credentials.internal.CredentialEntryLocator</code>
<b>Value</b>	<code>com.bea.p13n.security.management.credentials.CredentialEntry</code> .
<b>Notes</b>	Default values: <code>Max Entries=100; Time To Live=1 hour</code> .

## Campaign and Discount Caches

Table 45 through Table 48 detail information on campaign and discount caches.

**Table 45 globalDiscountCache**

<b>Cache</b>	globalDiscountCache
<b>Use</b>	Stores computed global discount definitions. This is the set of global discounts that is applicable to all users.
<b>Key</b>	The globalDiscountSet name (java.lang.String)
<b>Value</b>	The java.util.Set of qualificationDiscountDef objects
<b>Notes</b>	Set this to the number of global discounts in your application. The frequency of changes to the global discounts should determine TTL. Default values: MaxEntries=10; TimeToLive=300000 (five minutes).

**Table 46 discountCache**

<b>Cache</b>	discountCache
<b>Use</b>	Used to store computed discount definitions (applicable to individual customers or to customer segments)
<b>Key</b>	A QualificationDiscountId. This is essentially a wrapping around a java.lang.Integer that represents the ID of a discount
<b>Value</b>	The java.util.Set of qualificationDiscountDef objects
<b>Notes</b>	Set this to the number of discounts in your application. Frequency of changes to the global discounts should determine TTL. Default values: MaxEntries=100; TimeToLive=300000 (five minutes).



**Table 47 CategoryCache**

<b>Cache</b>	<b>categoryCache</b>
<b>Use</b>	Stores the root <code>com.beasys.commerce.ebusiness.catalog.Category</code> , the total number of categories in the product catalog ( <code>java.lang.Integer</code> ) and the <code>CategoryInfo</code> for each category.  <code>CategoryManagerImpl</code> gets the cache name from the <code>ejb-jar.xml</code> in <code>commerce.jar</code> .
<b>Key</b>	The key for the root <code>Category</code> is a static final <code>String</code> variable in the <code>CategoryManagerImpl</code> class. The key for the total number of categories is also a static final <code>String</code> variable in the <code>CategoryManagerImpl</code> class. The key for a given <code>CategoryInfo</code> object is a <code>com.beasys.commerce.ebusiness.catalog.CategoryKey</code> .
<b>Value</b>	The value for the root <code>Category</code> is <code>com.beasys.commerce.ebusiness.catalog.Category</code> . The value for the total number of categories is a <code>java.lang.Integer</code> . The value for the category info objects is a <code>com.beasys.commerce.ebusiness.catalog.service.category.CategoryInfo</code> .
<b>Notes</b>	The root <code>Category</code> and the total number of categories occupy two slots in the cache and the remaining slots are occupied by the <code>CategoryInfo</code> objects, so consider the total number of categories in the product catalog plus 2 when setting the maximum cache size. Consider how often these categories will change when setting TTL.  Default values: <code>MaxEntries:1000;TimeToLive: 8640000</code> .

**Table 48 ProductItemCache**

<b>Cache</b>	<code>ProductItemCache</code> ( <code>ProductItemManagerImpl</code> gets the cache name from the <code>ejb-jar.xml</code> in <code>commerce.jar</code> .)
<b>Use</b>	Stores the total number of product items in the catalog as well as the product items
<b>Key</b>	The key for the total number of product items is a static final <code>String</code> variable in <code>ProductItemManagerImpl</code> . The key for the product items is a <code>com.beasys.commerce.ebusiness.catalog.ProductItemKey</code> .

**Table 48 ProductItemCache (Continued)**

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<b>Value</b>	The value for the total number of product items is a <code>java.lang.Integer</code> . The value for the product item is a <code>com.beasys.commerce.ebusiness.catalog.ProductItem</code> .
<b>Notes</b>	Consider the total number of product items when setting the maximum cache size. Consider how often these product items will change when setting the TTL. Default values: <code>MaxEntries=1000;TimeToLive=21600000</code> .

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