Apache Module mod_disk_cache

Description:	Content cache storage manager keyed to URIs
Status:	Experimental
Module Identifier:	disk_cache_module
Source File:	mod_disk_cache.c

Summary

This module is experimental. Documentation is still under development...

`mod_disk_cache` implements a disk based storage manager. It is primarily of use in conjunction with `mod_proxy`.

Content is stored in and retrieved from the cache using URI based keys. Content with access protection is not cached.

> **Note:**
>
> `mod_disk_cache` requires the services of `mod_cache`.

Directives

CacheDirLength Directive

Description:	The number of characters in subdirectory names
Syntax:	CacheDirLength *length*
Default:	CacheDirLength 2
Context:	server config, virtual host
Status:	Experimental
Module:	mod_disk_cache

The `CacheDirLength` directive sets the number of characters for each subdirectory name in the cache hierarchy.

> The result of `CacheDirLevels`* `CacheDirLength` must not be higher than 20.

```
CacheDirLength 4
```

CacheDirLevels Directive

Description:	The number of levels of subdirectories in the cache.

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Syntax:	CacheDirLevels *levels*
Default:	CacheDirLevels 3
Context:	server config, virtual host
Status:	Experimental
Module:	mod_disk_cache

The `CacheDirLevels` directive sets the number of subdirectory levels in the cache. Cached data will be saved this many directory levels below the `CacheRoot` directory.

> The result of `CacheDirLevels`* `CacheDirLength` must not be higher than 20.

```
CacheDirLevels 5
```

CacheExpiryCheck Directive

Description:	Indicates if the cache observes Expires dates when seeking files
Syntax:	CacheExpiryCheck On|Off
Default:	CacheExpiryCheck On
Context:	server config, virtual host
Status:	Experimental
Module:	mod_disk_cache

More detail will be added here, when the function is implemented.

```
CacheExpiryCheck Off
```

> The `CacheExpiryCheck` directive is currently *not* implemented.

CacheGcClean Directive

Description:	The time to retain unchanged cached files that match a URL
Syntax:	CacheGcClean *hours url-string*
Default:	CacheGcClean ?
Context:	server config, virtual host
Status:	Experimental
Module:	mod_disk_cache

More detail will be added here, when the function is implemented.

```
CacheGcClean 12 /daily_scripts
```

> The `CacheGcClean` directive is currently *not* implemented.

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CacheGcDaily Directive

Description:	The recurring time each day for garbage collection to be run. (24 hour clock)
Syntax:	CacheGcDaily *time*
Default:	CacheGcDaily ?
Context:	server config, virtual host
Status:	Experimental
Module:	mod_disk_cache

More detail will be added here, when the function is implemented.

```
CacheGcDaily 23:59
```

The `CacheGcDaily` directive is currently *not* implemented.

CacheGcInterval Directive

Description:	The interval between garbage collection attempts.
Syntax:	CacheGcInterval *hours*
Context:	server config, virtual host
Status:	Experimental
Module:	mod_disk_cache

The `CacheGcInterval` directive specifies the number of hours to wait between attempts to free up disk space.

More detail will be added here, when the function is implemented.

```
CacheGcInterval 24
```

The `CacheGcInterval` directive is currently *not* implemented.

CacheGcMemUsage Directive

Description:	The maximum kilobytes of memory used for garbage collection
Syntax:	CacheGcMemUsage *KBytes*
Default:	CacheGcMemUsage ?
Context:	server config, virtual host
Status:	Experimental
Module:	mod_disk_cache

More detail will be added here, when the function is implemented.

```
CacheGcMemUsage 16
```

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The `CacheGcMemUsage` directive is currently *not* implemented.

CacheGcUnused Directive

Description:	The time to retain unreferenced cached files that match a URL.
Syntax:	CacheGcUnused *hours url-string*
Default:	CacheGcUnused ?
Context:	server config, virtual host
Status:	Experimental
Module:	mod_disk_cache

More detail will be added here, when the function is implemented.

```
CacheGcUnused 12 /local_images
```

The `CacheGcUnused` directive is currently *not* implemented.

CacheMaxFileSize Directive

Description:	The maximum size (in bytes) of a document to be placed in the cache
Syntax:	CacheMaxFileSize *bytes*
Default:	CacheMaxFileSize 1000000
Context:	server config, virtual host
Status:	Experimental
Module:	mod_disk_cache

The `CacheMaxFileSize` directive sets the maximum size, in bytes, for a document to be considered for storage in the cache.

```
CacheMaxFileSize 64000
```

CacheMinFileSize Directive

Description:	The minimum size (in bytes) of a document to be placed in the cache
Syntax:	CacheMinFileSize *bytes*
Default:	CacheMinFileSize 1
Context:	server config, virtual host
Status:	Experimental
Module:	mod_disk_cache

The `CacheMinFileSize` directive sets the minimum size, in bytes, for a document to be considered for storage in the cache.

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```
CacheMinFileSize 64
```

CacheRoot Directive

Description:	The directory root under which cache files are stored
Syntax:	CacheRoot *directory*
Default:	none
Context:	server config, virtual host
Status:	Experimental
Module:	mod_disk_cache

The CacheRoot directive defines the name of the directory on the disk to contain cache files. If the mod_disk_cache module has been loaded or compiled in to the Apache server, this directive *must* be defined. Failing to provide a value for CacheRoot will result in a configuration file processing error. The CacheDirLevels and CacheDirLength directives define the structure of the directories under the specified root directory.

```
CacheRoot c:/cacheroot
```

CacheSize Directive

Description:	The maximum amount of disk space that will be used by the cache in KBytes
Syntax:	CacheSize *KBytes*
Default:	CacheSize 1000000
Context:	server config, virtual host
Status:	Experimental
Module:	mod_disk_cache

The CacheSize directive sets the desired disk space usage of the cache, in KBytes (1024-byte units). This directive does not put a hard limit on the size of the cache. The garbage collector will delete files until the usage is at or below the settings. Always use a value that is lower than the available disk space.

```
CacheSize 5000000
```

CacheTimeMargin Directive

Description:	The minimum time margin to cache a document
Syntax:	CacheTimeMargin ?
Default:	CacheTimeMargin ?
Context:	server config, virtual host
Status:	Experimental
Module:	mod_disk_cache

More detail will be added here, when the function is implemented.

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```
CacheTimeMargin X
```

The `CacheTimeMargin` directive is currently *not* implemented.