
SpyCache API

Introduction

The SpyCache API is used to select specific images from different classes, retrieve the image files from optical storage and store them in a cache file, and to allow VIP DocManager users to view, print, fax, or email images from the cache files.

Writing Image Files to Cache Files

The SpyCache API sends the image selection criteria (document class/DocLinks) to the CacheMon job; then, the CacheMon job retrieves the images, writes them to the cache files, and update the files that indicate the last date the file was used (MSCHHDR file) and the location where the image is stored (MCSHDIR).

Retrieving Images from Cache Files

The SpyCache API sends the image When a user requests an image for viewing, printing, faxing, or emailing through VIP DocManager, the SpyCache API will check the MCSHDIR file to see if the image is stored in a cache file. If it is, the image will be retrieved from the cache file and the "last used" date record will be updated. When the cache file is removed, the corresponding records within the MCSHDIR and MCSHHDR files are deleted. Once the cache is removed, the images can be retrieved from the optical platters on which they reside.

SpyCache API Commands

The following commands reside in **VIPDOCMGR**. In order to execute them **VIPDOCMGR** must be on the SpyCache job library list or they must be qualified (library/command) when used.

STRCHSMON CLRDTA(*YES)

The STRCHSMON command starts the CacheMon job under the subsystem **SpyCs**. It retrieves image files from optical storage and writes them into cache files. This job waits on a data queue to get the next requested image to cache.

CLRDTA	*YES	Signals the CacheMon job to clear the data queue before starting. This is the default setting.
	*NO	Signals the CacheMon job to resume processing queued image requests at the point where monitoring was stopped. This should be used if the CacheMon job was stopped prior to completed all queued image requests.

ENDCSHMON

The ENDCSHMON command ends the CacheMon job after the current request is processed.

SPYCACHE

This command sends the requested image keys (via data queue) to the CacheMon Job. The CacheMon job should be started prior to executing this command.

CACHE	The name of the cache file in which the selected images will be stored. The cache files are always stored in a library named SPYCACHE. The cached file will not expire (be removed) until meeting one of the two expiration parameters: EXPDYS, EXPDT.
*AUTO	VIP DocManager will automatically generate the cache filename. The filename will contain 10 characters and have the format <i>Cnnnnnnnn</i> , where <i>nnnnnnnn</i> is the next sequential number. This is the default setting
Filename	A user-defined filename adhering to the rules of naming files on the AS/400.

		<p>If the CACHE command is specified with the name of an existing cache file, all images meeting the nine index value parameters will be appended to the specified file; otherwise, a new cache file will be created.</p> <p>If the images are to be appended to an existing cache file, the expiration parameters (EXPDYS and EXPDT) specified for this command will be ignored. The original expiration parameters for the cache file will be used to determine when the cache file will be removed.</p>
EXPDYS	nnn	<p>Specifies that the cache file should be removed if it has not been used for the past 30 days.</p> <p>The default is 30 days (i.e. remove cache files that have not been used for the past 30 days).</p> <p>0000 indicates that this parameter should be ignored when calculating the expiration date for the cache file.</p> <p>9999 indicates that this cache file should never be removed.</p>
EXPTDT	yyyymmdd	<p>The specific date on which this cache file should be removed.</p> <p>*NONE indicates that this parameter should be ignored when calculating the expiration date for the cache file.</p> <p>99999999 indicates that this cache file should never be removed.</p>
<p>Note: When determining the cache files to be removed, the RMWCSHIMGS command looks first at cache files with a specific expiration date (EXPDT) before looking for unused cache files (EXPDYS).</p>		
DOCTYP	Document Class Name	<p>The document class associated with the images you want to store in the cache file. The document class name defines the index value criteria parameters that can be specified.</p> <p>The document class name must be an image document class name (not a report document class name).</p>
VAL	1-9	<p>The DocLinks values to be used to search for and retrieve the images to be stored in the cache file.</p> <p>For each DocLink, you can specify a value to retrieve only image files that match the specified DocLink value.</p> <p>You can use the wildcard character (*) at the end of a search argument.</p> <p>VAL 8 and 9 are used to select images based on a range of creation dates. The creation date for an image file is the date upon which the image file was archived on the VIP DocManager</p>

		server.
		VAL 8 and 9 must be entered in the format YYYYMMDD.
		Specify only the fields necessary to qualify the search request.
SBMJOB	*NO	The job will run interactively.
	*YES	The job will be submitted using the job description and library specified.
JBDESC	SPYGLSMON	Specifies an existing job description used by the VIP DocManager Auto Monitor. This particular job description is not limited to a specific number of jobs that can run concurrently from its job queue.
JBDLIB	*LBL	Specifies the library in which the job description is located.

RMVCSHIMGS CACHID(*AUTO)

This command removes the cache files from the library SPYCACHE.

CACHE	*AUTO	The files will be removed according to the expiration parameters supplied from the SPYCACHE command for the individual cached files.
		This is the default setting.
	Filename	If a cache file name is specified, that file will be deleted regardless of its expiration parameters.