



System i
Programming
HTTP Server for i5/OS commands

Version 6 Release 1





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Note

Before using this information and the product it supports, be sure to read the information in "Notices," on page 39.

This edition applies to version 6, release 1, modification 0 of IBM HTTP Server for i5/OS (product number 5761-DG1) and to all subsequent releases and modifications until otherwise indicated in new editions. This version does not run on all reduced instruction set computer (RISC) models nor does it run on CICS models.

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Configure HTTP Search (CFGHTTSPSCH)

Where allowed to run: All environments (*ALL)
Threadsafe: No

Parameters
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Error messages

The Configure Search (CFGHTTSPSCH) command allows you to do various search administration tasks that include working with an index, a document list, a URL mapping rules file, or a thesaurus, plus building objects used for web crawling.

You can create an index, add documents to an index, remove documents from an index, delete an index, create, update, or delete a document list, create or update a mapping rules file.

To create an index, add or remove documents from an index, you will need to provide a document list. Specify *CRTDOCL for the **Option (OPTION)** parameter to create a document list.

To create an index, specify *CRTIDX for the OPTION parameter.

To create a document list, specify *CRTDOCL for the OPTION parameter. The document list can be used when you create (*CRTIDX) or update (*ADDDOC or *RMVDOC) an index.

To append additional document paths to a document list, specify *UPDDOCL for the OPTION parameter. The document list can be used when you create (*CRTIDX) or update (*ADDDOC or *RMVDOC) an index.

To add documents to an index, specify *ADDDOC for the OPTION parameter. All new or changed documents in the document list will be added to the index.

To remove documents from the index, specify *RMVDOC for the OPTION parameter.

To delete a document list, specify *DLTDOCL for the OPTION parameter.

To delete an index, specify *DLTIDX for the OPTION parameter.

To create a mapping rules file, specify *CRTMAPF for the OPTION parameter.

To add additional configuration directives to a mapping rules file, specify *UPDMAPF for the OPTION parameter.

To create a thesaurus dictionary that can be used on a search, specify *CRTTHSDCT for the OPTION parameter.

To delete a thesaurus dictionary, specify *DLTTHSDCT for the OPTION parameter.

To retrieve a thesaurus definition file from a thesaurus dictionary, specify *RTVTHSDFNF for the OPTION parameter.

The next set of OPTIONS are used for working with objects that are used when crawling remote web sites.

To create a URL object that contains a list of URLs to crawl, specify *CRTURLOBJ for the OPTION parameter.

To update a URL object, specify *UPDURLOBJ for the OPTION parameter.

To delete a URL object, specify *DLTURLOBJ for the OPTION parameter.

To create an options object, specify *CRTOPTOBJ for the OPTION parameter.

To update an options object, specify *UPDOPTOBJ for the OPTION parameter.

To delete an options object, specify *DLTOPTOBJ for the OPTION parameter.

To print the status of an index, specify *PRTIDXSTS for the OPTION parameter.

To print the status of a document list, specify *PRTDOCLSTS for the OPTION parameter.

Restrictions

- You must have input/output system configuration (*IOSYSCFG) special authority to use this command.

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Parameters

Keyword	Description	Choices	Notes
OPTION	Option	*CRTIDX, *MRGIDX, *DLTIDX, *ADDDOC, *RMVDOC, *CRTDOCL, *UPDDOCL, *REGDOCL, *DLTDOCL, *CRTMAPE, *UPDMAPE, *CRTTHSDCT, *DLTTHSDCT, *RTVTHSDFNF, *CRTURLOBJ, *UPDURLOBJ, *DLTURLOBJ, *CRTOPTOBJ, *UPDOPTOBJ, *DLTOPTOBJ, *CRTVLDL, *ADDVLDLDTA, *RMVVLDLDTA, *DLTVLDL, *PRTIDXSTS, *PRTDOCLSTS	Required, Positional 1
IDX	Index name	Character value	Optional
IDXDIR	Index directory	Path name, <u>'/QIBM/USERDATA/HTTPSVR/INDEX'</u>	Optional
TEXT	Index description	Character value, <u>*BLANK</u>	Optional
DOCLIST	Document list file	Path name	Optional
STRDIR	Start directory	Path name	Optional
SUBTREE	Traverse directory	<u>*ALL</u> , *NONE	Optional
PATTERN	Filter	Character value, <u>'*.HTM*'</u>	Optional
CONTENT	Document content	<u>*HTML</u> , *TEXT	Optional
ALWERR	Allow file errors	<u>*YES</u> , *NO	Optional
ENBCASE	Enable case sensitive search	<u>*YES</u> , *NO	Optional
ALWCHAR	Valid characters	<u>*ALPHANUM</u> , *ALPHA	Optional
IDXHTML	Index HTML fields	Single values: <u>*NONE</u> Other values (up to 5 repetitions): *TITLE, *AUTHOR, *ABSTRACT, *DESCRIPTION, *KEYWORDS, *ALLMETA	Optional
CFG	HTTP server	Name	Optional
URLPFX	Prefix for URL	Character value, <u>*NONE</u>	Optional
MAPFILE	Mapping rules file	Path name	Optional
DLTTYPE	Delete type	<u>*ALL</u> , *SUPP	Optional
THSDCT	Thesaurus dictionary name	Character value	Optional
THSDCTDIR	Thesaurus directory	Path name, <u>'/QIBM/USERDATA/HTTPSVR/SEARCH'</u>	Optional
THSDFNF	Thesaurus definition file	Path name	Optional

Keyword	Description	Choices	Notes
URLOBJ	URL object	<i>Character value</i>	Optional
DOCDIR	Document storage directory	<i>Path name</i>	Optional
LANG	Language of documents	*ARABIC, *BALTIC, *CENTEUROPE, *CYRILLIC, *ESTONIAN, *GREEK, *HEBREW, *JAPANESE, *KOREAN, *SIMPCHINESE, *TRADCHINESE, *THAI, *TURKISH, *WESTERN	Optional
URLACT	URL list action	* <u>NONE</u> , *ADD, *REMOVE	Optional
URLST	URL list entries	Values (up to 100 repetitions): <i>Element list</i>	Optional
	Element 1: URL	<i>Character value</i>	
	Element 2: URL filter	<i>Character value</i> , * <u>NONE</u>	
	Element 3: Maximum crawling depth	0-100, <u>3</u> , *NOMAX	
	Element 4: Enable robots	* <u>YES</u> , *NO	
RMVURLST	Remove URL list entries	Values (up to 100 repetitions): <i>Element list</i>	Optional
	Element 1: URL	<i>Character value</i>	
OPTOBJ	Options object	<i>Character value</i>	Optional
PRXSVR	Proxy server for HTTP	<i>Character value</i> , * <u>NONE</u> , *SAME	Optional
PRXPORT	Proxy port for HTTP	1-65535, *SAME	Optional
PRXSVRSSL	Proxy server for HTTPS	<i>Character value</i> , * <u>NONE</u> , *SAME	Optional
PRXPORTSSL	Proxy port for HTTPS	1-65535, *SAME	Optional
MAXSIZE	Maximum file size	1-6000, <u>1000</u> , *SAME	Optional
MAXSTGSIZE	Maximum storage size	1-65535, <u>100</u> , *NOMAX, *SAME	Optional
MAXTHD	Maximum threads	1-50, <u>20</u> , *SAME	Optional
MAXRUNTIME	Maximum run time	Single values: *NOMAX, *SAME Other values: <i>Element list</i>	Optional
	Element 1: Hours	0-1000, <u>2</u>	
	Element 2: Minutes	0-59, <u>0</u>	
LOGFILE	Logging file	<i>Path name</i> , * <u>NONE</u> , *SAME	Optional
CLRLOG	Clear logging file	* <u>YES</u> , *NO, *SAME	Optional
LSTTYPE	Document list type	* <u>LOCAL</u> , *REMOTE	Optional
VLDL	Validation list	<i>Name</i>	Optional
VLDLE	Validation list entries	Values (up to 100 repetitions): <i>Element list</i>	Optional
	Element 1: URL	<i>Character value</i>	
	Element 2: User ID	<i>Character value</i>	
	Element 3: Password	<i>Character value</i>	
RMVVLDLE	Remove validation list entries	Values (up to 100 repetitions): <i>Element list</i>	Optional
	Element 1: URL	<i>Character value</i>	

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Option (OPTION)

Specifies the administrative task to be performed.

This is a required parameter.

*CRTIDX

Create an index.

- *MRGIDX**
Merge an index after documents have been added.
- *DLTIDX**
Delete an index.
- *ADDDOC**
Add documents to an index.
- *RMVDOC**
Remove documents from an index.
- *CRTDOCL**
Create a document list. If the file already exists, it will be replaced.
- *UPDDOCL**
Append additional document paths to a document list.
- *DLTDOCL**
Delete a document list.
- *CRTMAPF**
Create a mapping rules file. If the file already exists, it will be replaced.
- *UPDMAPF**
Append additional configuration directives to a mapping rules file.
- *CRTTHSDCT**
Create a thesaurus dictionary.
- *RTVTHSDFNF**
Retrieve a thesaurus definition file from a thesaurus dictionary.
- *DLTTHSDCT**
Delete a thesaurus dictionary.
- *CRTURLOBJ**
Create a URL object to use when crawling remote web sites.
- *UPDURLOBJ**
Update a URL object to use when crawling remote web sites.
- *DLTURLOBJ**
Delete a URL object.
- *CRTOPTOBJ**
Create an options object to use when crawling remote web sites.
- *UPDOPTOBJ**
Update an options object to use when crawling remote web sites.
- *DLTOPTOBJ**
Delete an options object.
- *CRTVLDL**
Create a validation list object to use when crawling remote web sites.
- *ADDVLDLDTA**
Add entries to a validation list object.
- *RMVVLDLDTA**
Remove entries from a validation list object.
- *DLTVLDL**
Delete a validation list object.

***PRTIDXSTS**

Print the status of an index.

***PRTDOCLSTS**

Print the status of a document list.

Top

Index name (IDX)

Specifies the index to be created or updated.

name Specifies the name of the index.

Top

Index directory (IDXDIR)

Specifies the index directory that is used for several files created during index administration.

'/QIBM/USERDATA/HTTPSVR/INDEX'

This directory is used for the index directory.

path-name

Specify the index directory path name.

Top

Index description (TEXT)

Specifies the text that describes the index.

*BLANK

No text is specified.

character-value

Specify the text description, enclosed in apostrophes.

Top

Document list file (DOCLIST)

Specifies the document list file that contains a list of the documents to be indexed.

path-name

Specify the document list file path name.

Top

Start directory (STRDIR)

Specifies the starting directory to use to find documents to add to the document list.

path-name

Specify the path name of the directory to use to find documents to index.

Top

Traverse directory (SUBTREE)

Specifies whether to traverse subdirectories of the starting directory when building the document list file.

***ALL** Traverse the subdirectories.

***NONE**
Do not traverse subdirectories.

Top

Filter (PATTERN)

Specifies the pattern or filter to use when building the document list. To find HTML files, use the filter `*.HTM*`.

.HTM
This filter will find files with the extension `.HTM` or `.HTML`.

character-value
Specify the pattern or filter to use for selecting files to add to the document list.

Top

Document content (CONTENT)

Specifies the contents of the documents to be indexed.

***HTML**
Documents are HTML. All HTML tags are removed during indexing. See also `IDXHTML` parameter.

***TEXT**
Documents contain text.

Top

Allow file errors (ALWERR)

Specifies whether to skip document file errors and continue processing the request or to stop processing on a document file error.

***YES** Allow file errors and continue processing.

***NO** Do not allow file errors. Stop indexing the documents.

Top

Enable case sensitive search (ENBCASE)

Specifies whether a case sensitive search is allowed for this index.

***YES** A case sensitive search is allowed.

***NO** Only case insensitive searches are allowed.

Top

Valid characters (ALWCHAR)

Specifies the characters that are valid for a search on this index.

*ALPHANUM

Alphanumeric characters are valid.

*ALPHA

Only alphabetic characters are valid.

Top

Index HTML fields (IDXHTML)

Specifies the HTML tags that are used to find additional character strings to index. If *NONE, is selected, all HTML tags are removed from the document before indexing. All searches will be done on the entire document.

Any tag field that is selected will be indexed separately and will also be included in the indexing of the entire document. Tagged fields or the entire document can be selected for a search.

This parameter is ignored unless CONTENT(*HTML) is also specified.

Single values

*NONE

All of the document is indexed except for HTML tags.

Other values (up to 5 repetitions)

*TITLE

Index the title field.

*ABSTRACT

Index the META tag NAME="Abstract"

*AUTHOR

Index the META tag NAME="Author"

*DESCRIPTION

Index the META tag NAME="Description"

*KEYWORDS

Index the META tag NAME="Keywords"

*ALLMETA

Index all META tags with NAME="xxxx".

Top

HTTP server (CFG)

Specifies the HTTP server that contains routing directives. The appropriate directives are added to the URL mapping rules file and used with the URL prefix to define the URLs that are displayed for search results.

name Specify the name of the HTTP server containing the configuration to use.

Top

Prefix for URL (URLPFX)

Specifies the prefix to use for the URL for documents found on a search.

*NONE

No URL prefix is used.

character-value

Specifies the prefix to use for the URL such as 'http://www.mysys.com'.

Top

Mapping rules file (MAPFILE)

Specifies the name of the mapping rules file that contains routing information to use for creating URLs for documents found on a search.

path-name

Specifies the path name of the mapping rules file.

Top

Delete type (DLTTYPE)

Specifies whether to delete all of the index or only the supplemental index. The supplemental index is temporarily created when new or modified documents are added to the index.

*ALL Delete the main and supplemental index.

*SUPP

Delete only the supplemental index.

Top

Thesaurus dictionary name (THSDCT)

Specifies the thesaurus dictionary that can be used on a search.

character-value

Specify the name of the thesaurus dictionary.

Top

Thesaurus directory (THSDCTDIR)

Specifies the directory to use for the thesaurus dictionary. Specify a directory that is not used for search indexes.

'/QIBM/USERDATA/HTTPSVR/SEARCH'

Directory `SEARCH` located using the directory path `/QIBM/USERDATA/HTTPSVR` is used.

path-name

Specifies the thesaurus dictionary directory path name.

Top

Thesaurus definition file (THSDFNF)

Specifies the thesaurus definition file used to create a thesaurus dictionary.

path-name

Specifies the path name of the thesaurus definition file.

Top

URL object (URLOBJ)

Specifies the URL object to use for web crawling. This parameter is used when *CRTURLOBJ or *UPDURLOBJ is specified for the OPTION parameter. This object contains a list of URLs that you want to crawl.

character-value

Specify the name of a URL object.

Top

Document storage directory (DOCDIR)

Specifies the directory to use to store documents found when crawling remote web sites. This parameter is used when *CRTURLOBJ or *UPDURLOBJ is specified for the OPTION parameter.

path-name

Specify the path name of the directory for storing downloaded documents.

Top

Language of documents (LANG)

Specifies the language of the documents that are to be downloaded. These language choices are similar to the character sets or encodings that can be selected on a browser. This parameter is used when *CRTURLOBJ or *UPDURLOBJ is specified for the OPTION parameter

***ARABIC**

The documents are in Arabic.

***BALTIC**

The documents are in a Baltic language such as Latvian or Lithuanian.

***CENTEUROPE**

The documents are in a Central European language such as Czech, Hungarian, Polish, Slovakian, or Slovenian.

***CYRLIC**

The documents are in Cyrillic language such as Russian, Ukrainian, or Macedonian.

***ESTONIAN**

The documents are in Estonian.

***GREEK**

The documents are in Greek.

***HEBREW**

The documents are in Hebrew.

***JAPANESE**

The documents are in Japanese.

***KOREAN**

The documents are in Korean.

***SIMPCHINESE**

The documents are in Simplified Chinese.

***TRADCHINESE**

The documents are in Traditional Chinese.

***THAI**

The documents are in Thai.

***TURKISH**

The documents are in Turkish.

***WESTERN**

The documents are in a Western language such as English, French, Spanish, or German.

Top

URL list action (URLACT)

Specifies the action to take on the URL list for the specified URL object. This parameter is used when *UPDURLOBJ is specified for the OPTION parameter.

***NONE**

Do not change the URL list.

***ADD** Add the specified URLs to the URL object.

***REMOVE**

Remove the specified URLs from the URL object.

Top

URL list entries (URLLST)

This parameter is used when *CRTURLOBJ is specified for the OPTION parameter or *UPDURLOBJ is specified for the OPTION parameter and URLACT is *ADD. It specifies the list of URLs and URL attributes that are used in a crawling session:

- URL is the Universal Resource Locator where the crawling begins.
- URL filter limits crawling to the specified domain.
- Maximum crawling depth is the distance of links found from the original URL. A depth of 0 means to limit the crawling to the starting URL. A depth of 3 means that crawling should continue for links that are 3 levels from the starting URL.
- Enable robots indicates whether crawling supports robot exclusion. If you select to support robot exclusion, any site or pages that contain robot exclusion META tags or files will not be downloaded.

You can specify 100 values for this parameter.

Element 1: URL

character-value

Specify a starting URL.

Element 2: URL filter

***NONE**

Do not use a URL domain filter.

character-value

Specify a URL domain filter such as 'ibm.com' with no slashes or colons.

Element 3: Maximum crawling depth

The maximum depth to crawl from the starting URL. Zero means to stop crawling at the starting URL site. Each additional layer refers to following referenced links within the current URL.

3 Referenced links will be crawled three layers deep.

***NOMAX**

Referenced links will be crawled regardless of depth.

0-100 Specify the maximum crawling depth.

Element 4: Enable robots

***YES** Support robot exclusion.

***NO** Do not support robot exclusion.

Top

Remove URL list entries (RMVURLLST)

Specifies the list of URLs to remove from the URL object. This parameter is used when *UPDURLOBJ is specified for the OPTION parameter and URLACT is *REMOVE. Enter up to a maximum of 100 URLs to remove from the URL list.

character-value

Specify the URL to remove.

Top

Options object (OPTOBJ)

Specifies the options object to use for crawling. The options object contains crawling session attributes. This parameter is used when *CRTOPTOBJ, *UPDOPTOBJ, or *DLTOPTOBJ is specified for the OPTION parameter.

character-value

Specify the name of the options object to use.

Top

Proxy server for HTTP (PRXSVR)

Specifies the HTTP proxy server to be used. This parameter is used when *CRTOPTOBJ or *UPDOPTOBJ is specified for the OPTION parameter.

***NONE**

Do not use an HTTP proxy server.

***SAME**

Use this value when you are updating the options object but want to use the same HTTP proxy server.

character-value

Specify the name of the HTTP proxy server.

Proxy port for HTTP (PRXPORT)

Specifies the HTTP proxy server port. This parameter is used when *CRTOPTOBJ or *UPDOPTOBJ is specified for the OPTION parameter. A proxy server port is required if a proxy server is also specified.

*SAME

Use this value when you are updating the options object but want to use the same HTTP proxy server port.

1-65535

Specify the number of the HTTP proxy server port.

Proxy server for HTTPS (PRXSVRSSL)

Specifies the HTTPS proxy server for using SSL support. This parameter is used when *CRTOPTOBJ or *UPDOPTOBJ is specified for the OPTION parameter.

*NONE

Do not use an HTTPS proxy server.

*SAME

Use this value when you are updating the options object but want to use the same HTTPS proxy server.

character-value

Specify the name of the HTTPS proxy server for SSL support.

Proxy port for HTTPS (PRXPORTSSL)

Specifies the HTTPS proxy server port for SSL support. This parameter is used when *CRTOPTOBJ or *UPDOPTOBJ is specified for the OPTION parameter. An HTTPS proxy server port is required if an HTTPS proxy server is also specified.

*SAME

Use this value when you are updating the options object but want to use the same HTTPS proxy server port.

1-65535

Specify the number of the HTTPS proxy server port for SSL support.

Maximum file size (MAXSIZE)

Specifies the maximum file size, in kilobytes, to download. This parameter is used when *CRTOPTOBJ or *UPDOPTOBJ is specified for the OPTION parameter.

1000 Download files that are no greater than 1000 kilobytes.

*NOMAX

All files will be downloaded regardless of size.

***SAME**

Use this value when you are updating the options object but want to use the same maximum file size.

1-6000.

Specify the maximum file size to download, in kilobytes.

Top

Maximum storage size (MAXSTGSIZE)

Specifies the maximum storage size, in megabytes, to allocate for downloaded files. Crawling will end when this limit is reached. This parameter is used when *CRTOPTOBJ or *UPDOPTOBJ is specified for the OPTION parameter.

100 Up to 100 megabytes of storage will be used for downloaded files.

***NOMAX**

No maximum storage size for downloaded files.

***SAME**

Use this value when you are updating the options object but want to use the same maximum storage size.

1-65535.

Specify the maximum storage size, in megabytes, for downloaded files.

Top

Maximum threads (MAXTHD)

Specifies the maximum number of threads to start for crawling web sites. Set this value based on the system resources that are available. This parameter is used when *CRTOPTOBJ or *UPDOPTOBJ is specified for the OPTION parameter.

20. Start up to 20 threads for web crawling.

***SAME**

Use this value when you are updating the options object but want to use the same maximum number of threads.

1-50. Specify the maximum number of threads to start.

Top

Maximum run time (MAXRUNTIME)

Specifies the maximum time for crawling to run, in hours and minutes. This parameter is used when *CRTOPTOBJ or *UPDOPTOBJ is specified for the OPTION parameter.

Single values

***NOMAX**

Run the crawling session until it completes normally or is ended by using the ENDHTTPCRL (End HTTP Crawler) command.

***SAME**

Use this value when you are updating the options object, but want to use the same maximum number of hours and minutes to run.

Element 1: Hours

2 Run the crawling session for 2 hours plus the number of minutes specified.

0-1000.

Specify the number of hours to run the crawling session.

Element 2: Minutes

0 Run the crawling session for the number of hours specified.

0-59. Specify the number of minutes to run the crawling session. The crawling session will run for the number of hours specified in the first element of this parameter plus the number of minutes specified.

Top

Logging file (LOGFILE)

Specifies the activity logging file to be used. This file contains information about the crawling session plus any errors that occur. This file must be in a directory. This parameter is used when *CRTOPTOBJ or *UPDOPTOBJ is specified for the OPTION parameter.

*NONE

Do not use an activity log file.

*SAME

Use this value when you are updating the options object, but want to use the same logging file.

path-name

Specify the path name of the logging file.

Top

Clear logging file (CLRLOG)

Specifies whether to clear the activity log file before starting the crawling session. This parameter is used when *CRTOPTOBJ or *UPDOPTOBJ is specified for the OPTION parameter.

*YES Always clear the activity log file before each crawling session.

*SAME

Use this value when you are updating the options object but want to use the same value for clearing the logging file.

*NO Do not clear the activity log file.

Top

Document list type (LSTTYPE)

Specifies whether the document list file to be registered contains paths for files on this system or for files on remote web sites that have been downloaded to this system using the web crawling function. This parameter is used when *REGDOCL is specified for the OPTION parameter

*LOCAL

The documents in the document list are on this system.

*REMOTE

The documents in the document list are on a remote system.

Validation list (VLDL)

Specifies the name of the validation list to use for SSL sessions. A validation list contains a URL, a userid, and password. The validation list object is owned by the signed on user and excludes public use. This parameter is used when *CRTVLDL, *ADDVLDLDTA, *RMVVLDLDTA, or *DLTVLDL is specified for the OPTION parameter.

Restrictions: Passwords will be stored in the validation list object in encrypted form. In order to store and decrypt the passwords for authentication, the system value QRETSVRSEC (Retain Server Security) must be set to 1 **before** the validation list is created. If the system value is changed from 1 to 0 once the validation list exists, the encrypted passwords will be removed and authentication will fail. In this case, the system value will need to be reset to 1 and the validation list deleted and created again.

name Specify the name of the validation list. The validation list will be created in library QUSRSYS with the name QZHAxxxxxx where xxxxxx is the name you entered.

Validation list entries (VLDLE)

Specifies the list of URLs, userids, and passwords to use for SSL sessions. The userid and password pair will be used for the specified URL and any other URLs encountered while crawling within the same domain. This parameter is used when *CRTVLDL or *ADDVLDLDTA is specified for the OPTION parameter. Each validation list entry contains the following:

- URL that requires authentication
- a userid
- a password

A maximum of 100 entries can be added to the validation list. This parameter is used when *CRTVLDL or *ADDVLDLDTA is specified for the OPTION parameter.

Element 1: URL

character-value

Specify a URL (Universal Resource Locator).

Element 2: User ID

character-value

Specify a valid user ID.

Element 3: Password

character-value

Specify a password for the userid.

Remove validation list entries (RMVVLDLE)

Specifies the list of URLs to remove from an existing validation list. A maximum of 100 entries can be removed from the validation list. This parameter is used when *RMVVLDLDTA is specified for the OPTION parameter.

character-value

Specify a URL (Universal Resource Locator) that has an associated entry in the validation list.

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Examples

Example 1: Create a Document List

```
CFGHTTPSCH  OPTION(*CRTDOCL)
  DOCLIST('/QIBM/USERDATA/HTTPSVR/INDEX/myindex.DOCUMENT.LIST')
  STRDIR('/QIBM/ProdData/HTTP/Public/HTTPSVR/HTML')
```

This example will create a document list called `/QIBM/USERDATA/HTTPSVR/INDEX/myindex.DOCUMENT.LIST` from the directory `/QIBM/ProdData/HTTP/Public/HTTPSVR/HTML` using the defaults `SUBTREE(*ALL) PATTERN(*.HTM*)`. The subdirectories will be searched and only files containing the pattern `*.HTM` will be included in the list.

Example 2: Create an Index

```
CFGHTTPSCH  OPTION(*CRTIDX)  IDX(myindex)
  DOCLIST('/QIBM/USERDATA/HTTPSVR/INDEX/myindex.DOCUMENT.LIST')
  IDXHTML(*ABSTRACT)
```

This example will create an index called **myindex** in index directory `/QIBM/USERDATA/HTTPSVR/INDEX`. The document list is in the file `/QIBM/USERDATA/HTTPSVR/INDEX/myindex.DOCUMENT.LIST`.

In this example the following is defined:

- The documents are HTML documents by default.
- Any file errors found for a document are ignored.
- Searches can be case-sensitive.
- Alphanumeric characters are valid search characters.
- The META tag with "Abstract" will be indexed separately.
- The character string following the META tag will also be included when the document is indexed.
- Searches are enabled for the entire document and the META tag field.

Example 3: Create a Mapping Rules File

```
CFGHTTPSCH  OPTION(*CRTMAPF) CFG('MYCFG')
  URLPFX('http://www.myserver.com')
  MAPFILE(/QIBM/USERDATA/HTTPSVR/INDEX/myindex.MAP_FILE)
```

This example will create a mapping file called `/QIBM/USERDATA/HTTPSVR/INDEX/myindex.MAP_FILE`. The URL prefix `'http://www.myserver.com'` plus all of the Pass directives from the MYCFG configuration will be copied to the mapping rules file. When documents are found on a search, the URLPFX will be followed by the path determined from the actual file path and the Pass directive.

If a document is physically located at `/root/clothing/doc1.htm`, and there is a **Pass /clothing/* /root/clothing/*** directive in the configuration file, the URL for the document on the search results will be **`http://www.myserver.com/clothing/doc1.htm`** .

Error messages

*ESCAPE Messages

HTP1603

Request to add or delete documents was incomplete. Reason &1.

HTP1608

Request to create an index failed. Reason &1.

HTP1609

Request to add or delete documents from an index failed. Reason &1.

HTP160A

Request to merge an index failed. Reason &1.

HTP160B

Request to delete an index failed. Reason &1.

HTP160C

Request to create or append to a document list failed. Reason &1.

HTP160D

Request to delete a document list failed. Reason &1.

HTP160E

Request to create or append to a mapping rules file failed. Reason &1.

HTP160F

*IOSYSCFG special authority required to use CHGHTTSPSCH command.

HTP1621

Request to create an index was incomplete. Reason &1.

HTP1623

Request to create a thesaurus dictionary failed. Reason &1.

HTP1624

Request to delete a thesaurus dictionary failed. Reason &1.

HTP1625

Request to retrieve a definition file failed. Reason &1.

HTP164B

Request to create a validation list failed. Reason &1.

HTP164C

Request to add or remove entries from a validation list failed. Reason &1.

HTP164D

Request to delete a validation list failed. Reason &1.

HTP164F

Request to create or update an options object failed. Reason &1.

HTP165A

Request to delete an options object failed. Reason &1.

HTP165B

Request to create or update a URL object failed. Reason &1.

HTP165C

Request to delete URL object failed. Reason &1.

HTTP165F

Request to register a document list failed. Reason &1.

HTTP1666

Request to create a validation list was incomplete. Reason &1.

HTTP1668

Request to add or remove entries from a validation list was incomplete. Reason &1.

HTTP1669

Request to create or update a URL object was incomplete. Reason &1.

HTTP166C

Request to create or update a document list was incomplete. Reason &1.

HTTP166D

Request to print the status of an index failed. Reason &1.

HTTP166E

Request to print the status of a document list failed. Reason &1.

HTTP1674

Request to print the status of index &3 in index directory &4 was incomplete. Reason &1.

HTTP1675

Request to print the status of document list &3 was incomplete. Reason &1.

Top

Configure TCP/IP HTTP (CFGTCPHTTP)

Where allowed to run: Interactive environments (*INTERACT
*IPGM *IREXX *EXEC)
Threadsafe: No

Parameters
Examples
Error messages

The Configure TCP/IP HTTP (CFGTCPHTTP) command displays a menu that allows you to define or change the World Wide Web Hypertext Transfer Protocol (HTTP) server configuration. (This server is also known as the IBM HTTP Server).

There are no parameters for this command.

[Top](#)

Parameters

None

[Top](#)

Examples

CFGTCPHTTP

This command displays the Configure TCP/IP HTTP menu.

[Top](#)

Error messages

*ESCAPE Messages

TCP8050

*IOSYSCFG authority required to use &1.

[Top](#)

Change HTTP Attributes (CHGHTTPA)

Where allowed to run: All environments (*ALL)
Threadsafe: No

Parameters
Examples
Error messages

The Change HTTP Attributes (CHGHTTPA) command is used to change the configurable World Wide Web Hypertext Transfer Protocol (HTTP) server attributes. (This server is also known as the IBM HTTP Server).

When you change HTTP attributes using this command, the changes apply to all HTTP servers and HTTP server instances, with the following exceptions:

- Values specified on configuration and administration forms for a particular instance take precedence over the values specified with the CHGHTTPA command. For detailed information on how to use configuration and administration forms go to the HTTP web site at <http://www.ibm.com/eserver/iseres/http>.
- Values specified as "instance startup values" on the HTTPSVR parameter of the Start TCP/IP Server (STRTCPSVR) command take precedence over values specified anywhere else.

The changes take effect the next time the HTTP server is started either by the Start TCP/IP (STRTCP) command or by the Start TCP/IP Server (STRTCPSVR) command.

Restrictions

- You must have input/output system configuration (*IOSYSCFG) special authority to use this command.

Top

Parameters

Keyword	Description	Choices	Notes
AUTOSTART	Autostart	*YES, *NO, *SAME	Optional
NBRSVR	Number of server threads	<i>Element list</i>	Optional
	Element 1: Minimum	1-9999, *SAME, *DFT	
	Element 2: Maximum	1-9999, *SAME, *DFT, *NOMAX	
CCSID	Coded character set identifier	1-65533, *SAME, *DFT	Optional
TBLHTTPOUT	Server mapping tables	Single values: *SAME, *CCSID, *DFT Other values: <i>Element list</i>	Optional
	Element 1: Outgoing EBCDIC/ASCII table	<i>Qualified object name</i>	
	Qualifier 1: Outgoing EBCDIC/ASCII table	<i>Name</i>	
	Qualifier 2: Library	<i>Name</i> , *LIBL, *CURLIB	

Keyword	Description	Choices	Notes
TBLHTTPIN		Single values: *SAME, *CCSID, *DFT Other values: <i>Element list</i>	Optional
	Element 1: Incoming ASCII/EBCDIC table	<i>Qualified object name</i>	
	Qualifier 1: Incoming ASCII/EBCDIC table	<i>Name</i>	
	Qualifier 2: Library	<i>Name, *LIBL, *CURLIB</i>	

Top

Autostart (AUTOSTART)

Specifies whether to automatically start the HTTP server when TCP/IP is started by the STRTCP command. When HTTP is started by the STRTCPSVR command, the AUTOSTART parameter is ignored and the HTTP server is started regardless of the value of this parameter. If STRTCPSVR *HTTP is specified, and the HTTP server is already running, then the start request is denied.

*SAME

The AUTOSTART value does not change if it was previously set. Otherwise, *NO is used.

***NO** Do not start the HTTP server when the STRTCP command is issued. If you do not intend to use HTTP, set this parameter to *NO.

***YES** Start the HTTP server when the STRTCP command is issued.

Top

Number of server threads (NBRSVR)

Specifies the minimum and maximum number of HTTP server threads to start when HTTP is started by either the Start TCP/IP (STRTCP) command or the Start TCP/IP Server (STRTCPSVR) command.

Note: The value specified for the minimum number of server threads is ignored. The value has been left on the command for compatibility reasons.

The maximum number of server threads value is used as the default setting for the HTTP Server ThreadsPerChild directive. This value affects all HTTP servers that do not have a ThreadsPerChild configuration directive specified. A ThreadsPerChild directive specified in the HTTP server configuration file, or as a start up value, overrides this server attribute.

See the HTTP server documentation on the ThreadsPerChild directive for more information regarding the maximum number of server threads.

Element 1: Minimum

*SAME

The minimum number of server threads that was previously set does not change. Otherwise, 10 is used.

***DFT** The minimum number of server threads is set to the default value of 10.

1-9999 Specify the minimum number of server threads requested to start.

Element 2: Maximum

***SAME**

The maximum number of server threads previously set does not change. Otherwise, 40 is used.

***NOMAX**

There is no limit to the maximum number of server threads that is allowed to start.

***DFT** The maximum number of server threads is set to the default value of 40. If you allow this parameter to default, the minimum number of server threads specified cannot be greater than 40.

1-9999 Specify the maximum number of server threads that are allowed to start. This value must be greater than the value specified for the first element of this parameter.

Top

Coded character set identifier (CCSID)

If the character set and code page are not identified in the MIME header from the World Wide Web (WWW) browser, this value is used to determine the ASCII coded-character set identifier (CCSID) value to be used for translations when doing ASCII-to-EBCDIC and EBCDIC-to-ASCII mapping. Mapping is determined using the MIME header values or the specified ASCII CCSID and the EBCDIC default CCSID of the job.

Outgoing and incoming mapping can optionally be done with mapping tables defined in the TBLHTTPOUT and TBLHTTPIN parameters. Normally the TBLHTTPOUT and TBLHTTPIN parameters are set to the default of *CCSID or *DFT, with both indicating that the value used in the CCSID parameter is used for mapping.

If a mapping table is to be used for outgoing mapping, a table object can be specified in the TBLHTTPOUT parameter. Then this table object is used for outgoing mapping instead of the CCSID value.

Incoming mapping can be changed to use a mapping table in the same manner by specifying a table object in the TBLHTTPIN parameter. This mapping table then overrides the specified CCSID value and is used for incoming mapping.

***SAME**

The CCSID value that was previously set does not change; otherwise, 00819 (ISO 8859-1 8-bit ASCII) is used.

***DFT** The CCSID value is 00819 (ISO 8859-1 8-bit ASCII).

1-65533

Specify the CCSID to be used. This value is validated to ensure a valid ASCII CCSID has been requested.

Top

Server mapping tables (TBLHTTPOUT)

Specifies the table object that is to be used to map all outgoing server data in HTTP. Outgoing server data is mapped from EBCDIC to ASCII.

If a table object is specified for the TBLHTTPOUT parameter, the table object is used for outgoing mapping. Otherwise, the CCSID parameter is used to determine outgoing mapping.

Single values

***SAME**

The TBLHTTPOUT value does not change if it was previously set; otherwise, *CCSID is used.

***CCSID**

The CCSID parameter is used to determine outgoing mapping.

***DFT** The CCSID parameter is used to determine outgoing mapping.

Qualifier 1: Outgoing EBCDIC/ASCII table

name Specify the name of the table object to be used for mapping the outgoing HTTP server data.

Qualifier 2: Library

***LIBL** All libraries in the job's library list are searched until the first match is found.

***CURLIB**

The current library for the job is searched. If no library is specified as the current library for the job, the QGPL library is used.

name Specify the name of the library to be searched.

Top

Library (TBLHTTPIN)

Specifies the table object that is used to map all incoming server data in HTTP. Incoming server data is mapped from ASCII to EBCDIC.

If a table object is specified for the TBLHTTPIN parameter, the table object is used for incoming mapping. Otherwise, the CCSID parameter is used to determine incoming mapping.

Single values

***SAME**

The TBLHTTPIN value does not change if it was previously set; otherwise, *CCSID is used.

***CCSID**

The CCSID parameter is used to determine incoming mapping.

***DFT** The CCSID parameter is used to determine incoming mapping.

Qualifier 1: Incoming ASCII/EBCDIC table

name Specify the name of the table object to be used for mapping the incoming HTTP server data.

Qualifier 2: Library

***LIBL** All libraries in the job's library list are searched until the first match is found.

***CURLIB**

The current library for the job is searched. If no library is specified as the current library for the job, the QGPL library is used.

name Specify the name of the library to be searched.

Top

Examples

Example 1: Changing the HTTP Attributes to Automatically Start the Server When You Use the Start TCP/IP (STRTCP) CL Command.

```
CHGHTTPA  AUTOSTART(*YES)
```

This command indicates that the server will automatically start up the next time that you use the STRTCP command. Server instances will start automatically if they do not have AUTOSTART overridden.

Example 2: Changing the Maximum Number of Server Threads.

```
CHGHTTPA  NBRSVR(10 50)
```

This command indicates that a maximum of 50 server threads will be allowed to start to handle incoming HTTP requests. Note that the minimum number of server threads is allowed to be specified, but is ignored.

Example 3: Using the Server Mapping Tables

```
CHGHTTPA  TBLHTTPOUT(*LIBL/TSTHTTPO)
          TBLHTTPI(*LIBL/TSTHTTPI)
```

This command indicates that the next time the server is started, the server will have the following characteristics:

- The ASCII-to-EBCDIC and EBCDIC-to-ASCII conversion is done using the outgoing and incoming mapping tables, rather than with a CCSID value.
- The server uses a copy of the information that you find in the TSTHTTPO table object for mapping outgoing data in HTTP. The table object is found by using the library list for the thread.
- The server uses a copy of the information that you find in the TSTHTTPI table object for mapping incoming data in HTTP. The table object is found by using the library list for the thread.

Top

Error messages

*ESCAPE Messages

TCP8050

*IOSYSCFG authority required to use &1.

Top

End HTTP Crawler (ENDHTTPCRL)

Where allowed to run: All environments (*ALL)
Threadsafe: No

Parameters
Examples
Error messages

The End HTTP Crawling (ENDHTTPCRL) command allows you to end or temporarily pause a crawling session for a specified document list.

Top

Parameters

Keyword	Description	Choices	Notes
DOCLIST	Document list file	<i>Path name</i>	Required, Positional 1
ACTION	Crawling action	*PAUSE, *END	Optional

Top

Document list file (DOCLIST)

Specifies a document list file that was used for a crawling session that is either active or paused.

This is a required parameter.

path-name

Specify the path name of the document list file.

Top

Crawling action (ACTION)

Specifies the action to perform on an active crawling session identified with a document list.

***END** End the crawling session.

***PAUSE**

Pause or temporarily suspend the crawling session. A paused session can be resumed by running the Resume HTTP Crawler (RSMHTTPCRL) command.

Top

Examples

Example 1: Ending a Crawling Session

```
ENDHTTPCRL
  DOCLIST('/QIBM/USERDATA/HTTPSVR/INDEX/myindex.DOCUMENT.LIST')
  ACTION(*END)
```

This command ends the crawling session that had been previously started using document list file **myindex.DOCUMENT.LIST** located in the directory path **/QIBM/USERDATA/HTTPSVR/INDEX**.

Example 2: Ending a Crawling Session

```
ENDHTTPCRL
  DOCLIST ('/QIBM/USERDATA/HTTPSVR/INDEX/myindex.DOCUMENT.LIST')
  ACTION(*PAUSE)
```

This command pauses a crawling session that had been previously started. The crawling session can be resumed by running the Resume HTTP Crawler (RSMHTTPCRL) command and specifying the same document list file.

[Top](#)

Error messages

*ESCAPE Messages

HTP165E

Request to pause or end a crawling session failed. Reason &1.

[Top](#)

Resume HTTP Crawler (RSMHTTPCRL)

Where allowed to run: All environments (*ALL)
Threadsafe: No

Parameters
Examples
Error messages

The Resume HTTP Crawling (RSMHTTPCRL) command allows you to resume a crawling session for a specified document list. The previous session must have been paused by running the End HTTP Crawler (ENDHTTPCRL) command specifying ACTION(*PAUSE).

Top

Parameters

Keyword	Description	Choices	Notes
DOCLIST	Document list file	<i>Path name</i>	Required, Positional 1

Top

Document list file (DOCLIST)

Specifies a document list file that was used for a crawling session that has been paused.

This is a required parameter.

path-name

Specify the path name of the document list file.

Top

Examples

```
RSMHTTPCRL  
DOCLIST('/QIBM/USERDATA/HTTPSVR/INDEX/myindex.DOCUMENT.LIST')
```

This command resumes a crawling session that had been paused by running the End HTTP Crawler (ENDHTTPCRL) command with OPTION(*PAUSE).

Top

Error messages

*ESCAPE Messages

HTP165D

Request to resume a crawling session failed. Reason &1.

Top

Start HTTP Crawler (STRHTTPCRL)

Where allowed to run: All environments (*ALL)
 Threadsafes: No

Parameters
 Examples
 Error messages

The Start HTTP Crawling (STRHTTPCRL) command allows you to create or append to a document list by crawling remote web sites, downloading files found, and saving the path names in the document list specified.

To create a document list, specify *CRTDOCL for the **Option (OPTION)** parameter.

To update a document list, specify *UPDDOCL for the OPTION parameter.

Top

Parameters

Keyword	Description	Choices	Notes
OPTION	Option	*CRTDOCL, *UPDDOCL	Required, Positional 1
METHOD	Crawling method	*OBJECTS, <u>*DETAIL</u>	Optional
OBJECTS	URL and options objects	<i>Element list</i>	Optional
	Element 1: URL object	<i>Character value</i>	
	Element 2: Options object	<i>Character value</i>	
DOCLIST	Document list file	<i>Path name</i>	Optional
DOCDIR	Document storage directory	<i>Path name, '/QIBM/USERDATA/HTTPSVR/INDEX/DOC'</i>	Optional
LANG	Language of documents	*ARABIC, *BALTIC, *CENTEUROPE, *CYRILLIC, *ESTONIAN, *GREEK, *HEBREW, *JAPANESE, *KOREAN, *SIMPCHINESE, *TRADCHINESE, *THAI, *TURKISH, <u>*WESTERN</u>	Optional
URL	URL	<i>Character value</i>	Optional
URLFTR	URL filter	<i>Character value, *NONE</i>	Optional
MAXDEPTH	Maximum crawling depth	0-100, <u>3</u> , *NOMAX	Optional
ENBROBOT	Enable robots	<u>*YES</u> , *NO	Optional
PRXSVR	Proxy server for HTTP	<i>Character value, *NONE</i>	Optional
PRXPORT	Proxy port for HTTP	1-65535	Optional
PRXSVRSSL	Proxy server for HTTPS	<i>Character value, *NONE</i>	Optional
PRXPORTSSL	Proxy port for HTTPS	1-65535	Optional
MAXSIZE	Maximum file size	1-6000, <u>1000</u>	Optional
MAXSTGSI	Maximum storage size	1-65535, <u>100</u> , *NOMAX	Optional
MAXTHD	Maximum threads	1-50, <u>20</u>	Optional
MAXRUNTIME	Maximum run time	Single values: *NOMAX Other values: <i>Element list</i>	Optional
	Element 1: Hours	0-1000, <u>2</u>	
	Element 2: Minutes	0-59, <u>0</u>	
LOGFILE	Logging file	<i>Path name, *NONE</i>	Optional
CLRLOG	Clear logging file	<u>*YES</u> , *NO	Optional

Keyword	Description	Choices	Notes
VLDL	Validation list	Name, <u>*NONE</u>	Optional

Top

Option (OPTION)

Specifies the document list task to perform.

This is a required parameter.

*CRTDOCL

Create a document list. If the file already exists, it will be replaced.

*UPDDOCL

Append additional document paths to a document list.

Top

Crawling method (METHOD)

Specifies the crawling method to use.

*DETAIL

Use specific values for crawling remote web sites such as the document storage directory, a URL, and a URL filter. These are the same values that are contained in a URL object and an options object.

*OBJECTS

Use a URL object and an options object for crawling web sites. These objects contain specific values used in the crawling process.

Top

URL and options objects (OBJECTS)

Specifies the objects to use for crawling. Both must be specified. Use the Configure HTTP Search (CFGHTTPPSCH) command to create the objects.

Element 1: URL object

character-value

Specify the name of the URL object to use.

Element 2: Options object

character-value

Specify the name of the options object to use.

Top

Document list file (DOCLIST)

Specifies the document list file to hold the path names of the documents found by crawling remote web sites.

path-name

Specify the document list file path name.

Top

Document storage directory (DOCDIR)

Specifies the directory to use to store the documents that are downloaded.

'/QIBM/USERDATA/HTTPSVR/INDEX/DOC'

This directory is used to store the downloaded documents.

path-name

Specify the document storage directory path name.

Top

Language of documents (LANG)

Specifies the language of the documents that are to be downloaded. These language choices are similar to the character sets or encodings that can be selected on a browser.

***WESTERN**

The documents are in a Western language such as English, Finnish, French, Spanish, or German.

***ARABIC**

The documents are in Arabic.

***BALTIC**

The documents are in a Baltic language such as Latvian or Lithuanian.

***CENTEUROPE**

The documents are in a Central European language such as Czech, Hungarian, Polish, Slovakian, or Slovenian.

***CYRILLIC**

The documents are in a Cyrillic language such as Russian, Ukrainian, or Macedonian.

***ESTONIAN**

The documents are in Estonian.

***GREEK**

The documents are in Greek.

***HEBREW**

The documents are in Hebrew.

***JAPANESE**

The documents are in Japanese.

***KOREAN**

The documents are in Korean.

***SIMPCHINESE**

The documents are in Simplified Chinese.

***TRADCHINESE**

The documents are in Traditional Chinese.

***THAI**

The documents are in Thai.

***TURKISH**

The documents are in Turkish.

Top

URL (URL)

Specifies the name of the URL (Universal Resource Locator) to crawl.

character-value

Specify the URL to crawl.

Top

URL filter (URLFTR)

The domain filter to limit sites crawled to those within the specified domain.

***NONE**

No filtering will be done base on domain.

character-value

Specify the domain filter to limit crawling.

Top

Maximum crawling depth (MAXDEPTH)

The maximum depth to crawl from the starting URL. Zero means to stop crawling at the starting URL site. Each additional layer refers to following referenced links within the current URL.

3 Referenced links will be crawled three layers deep.

***NOMAX**

Referenced links will be crawled regardless of depth.

0-100 Specify the maximum crawling depth.

Top

Enable robots (ENBROBOT)

Specifies whether to enable support for robot exclusion. If you select to support robot exclusion, any site or pages that contain robot exclusion META tags or files will not be downloaded.

***YES** Enable support for robot exclusion.

***NO** Do not enable support for robot exclusion.

Top

Proxy server for HTTP (PRXSVR)

Specifies the HTTP proxy server to be used.

***NONE**

Do not use an HTTP proxy server.

HTTP-proxy-server

Specify the name of the HTTP proxy server.

Top

Proxy port for HTTP (PRXPORT)

Specifies the HTTP proxy server port.

1-65535.

Specify the number of the HTTP proxy server port. This parameter is required if a proxy server name is specified for the **Proxy server for HTTP (PRXSVR)** parameter.

Top

Proxy server for HTTPS (PRXSVRSSL)

Specifies the HTTPS proxy server for using SSL support.

***NONE**

Do not use an HTTPS proxy server.

character-value

Specify the name of the HTTPS proxy server for SSL support.

Top

Proxy port for HTTPS (PRXPORTSSL)

Specifies the HTTPS proxy server port for SSL support.

1-65535

Specify the number of the HTTPS proxy server port for SSL support. This is required if an SSL proxy server is also specified. This parameter is required if a proxy server name is specified for the **Proxy server for HTTPS (PRXSVRSSL)** parameter.

Top

Maximum file size (MAXSIZE)

Specifies the maximum file size, in kilobytes, to download.

1000 Download files that are no greater than 1000 kilobytes.

***NOMAX**

Files will be downloaded regardless of size.

1-6000.

Specify the maximum file size to download, in kilobytes.

Top

Maximum storage size (MAXSTGSIZE)

Specifies the maximum storage size, in megabytes, to allocate for downloaded files. Crawling will end when this limit is reached.

100 Up to 100 megabytes of storage will be used for downloaded files.

***NOMAX**

No maximum storage size for downloaded files.

1-65535.

Specify the maximum storage size, in megabytes, for downloaded files.

Top

Maximum threads (MAXTHD)

Specifies the maximum number of threads to start for crawling web sites. Set this value based on the system resources that are available.

20 Start up to 20 threads for web crawling.

1-50. Specify the maximum number of threads to start.

Top

Maximum run time (MAXRUNTIME)

Specifies the maximum time for crawling to run, in hours and minutes.

Single values

***NOMAX**

Run the crawling session until it completes normally or is ended by using the ENDHTTPCRL (End HTTP Crawler) command.

Element 1: Hours

2 Run the crawling session for 2 hours plus the number of minutes specified.

0-1000.

Specify the number of hours to run the crawling session.

Element 2: Minutes

0 Run the crawling session for the number of hours specified.

***SAME**

Use this value when you are updating the options object, but want to use the same maximum number of minutes to run.

0-59. Specify the number of minutes to run the crawling session. The crawling session will run for the number of hours specified in the first element of this parameter plus the number of minutes specified.

Top

Logging file (LOGFILE)

Specifies the activity logging file to be used. This file contains information about the crawling session plus any errors that occur during the crawling session. This file must be in a directory.

***NONE**

Do not use an activity log file.

path-name

Specify the path name of the logging file.

Top

Clear logging file (CLRLOG)

Specifies whether to clear the activity log file before starting the crawling session.

***YES** Always clear the activity log file before each crawling session.

***NO** Do not clear the activity log file.

Top

Validation list (VLDL)

Specifies the validation list to use for SSL sessions. Use the Configure HTTP Search (CFGHTTPPSCH) command to create a validation list object.

***NONE**

Do not use a validation list object.

name Specify the name of the validation list.

Top

Examples

```
STRHTTPCRL OPTION(*CRTDOCL) DOCLIST('/mydir/my.doclist')
URL('http://www.ibm.com') MAXDEPTH(2)
```

This command starts a new crawling session finding referenced links 2 layers from the starting URL at `www.ibm.com`. The document list will be created in `/mydir/my.doclist` and will contain sets of a local directory path, for example, `/QIBM/USERDATA/HTTPSVR/INDEX/DOC/www.ibm.com/us/index.html` and the actual URL to the page `http://www.ibm.com/us/`. Use the Configure HTTP Search (CFGHTTPPSCH) command to create an index using this document list.

Top

Error messages

***ESCAPE Messages**

HTP160C

Request to create or append to a document list failed. Reason &1.

HTP166E

Request to print the status of a document list failed. Reason &1.

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Appendix. Notices

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