NCache OpenSource Command Line Tools Guide

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Table of Contents

Introduction to Command Line Tools

NCache provides multiple command line tools; using these you can automate different tasks like cache creation, deletion, addition of client and server nodes, and configuring caches for different features.

1. Add Client Node (addclientnode.exe)

Add client node tool (addclientnode) enable users to add client nodes to the existing clustered cache(s).

At the command prompt, type the following:

```
addclientnode [ cache-id ] [ /s | /e ] [options]
[ cache-id ] [ /s server /e client-node ]
[ cache-id ] [ /s server /e client-node /p port-number ]
[ cache-id ] [ /s server /e client-node /p port-number /u /a ]
```

Parameters

Argument	Description
cache-id	Specifies one or more ids of clustered cache. Cache must exist on source server.
/s /server	Specifies a server name where the NCache service is running and a cache with the specified cache-id is registered. Client configuration is copied from this server to the client node.
/e /client-node	Specifies a client node (node to be added as client node) where the NCache service is running.

Option	Description
/p /port	Specifies a port number for communication with the NCache server. Default is 8250.
/u /update-server-config	Specifies whether to update the client-nodes sections of server node(s) of the specified cluster. The default value is true.(Useful when cluster nodes and clients are in different networks)
/a /acquire-server-mapping	Specifies whether to fetch the server mapping list from the server node(s). The default value is false. (Useful when cluster nodes and clients are in different networks).
/G /nologo	Suppresses display of the logo banner.
/?	Displays a detailed help screen.

Remarks

This tool performs the following basic functions:

- Adds a client node to the clustered cache existing on specified server.
- Updates the server configuration, if specified.
- Acquires server-mapping list, if specified.

Examples

The following command adds a client node 20.200.21.12 to the demoCache which exists on server 20.200.20.11.

```
addclientnode demoCache /s 20.200.21.11 /e 20.200.21.12
```

The following command adds a client node 20.200.21.12 to the demoCache which exists on server 20.200.20.11 while specifying port-number.

```
addclientnode demoCache /s 20.200.21.11 /e 20.200.21.12 /p 8250
```

The following command adds a client node 20.200.21.12 to the demoCache which exists on server 20.200.20.11 while specifying port-number and updating server config.

```
addclientnode demoCache /s 20.200.21.11 /e 20.200.21.12 /p 8250 /u
```

2. Add Node (addnode.exe)

Add node tool (addnode) enable users to add a new server node to the existing clustered cache.

At the command prompt, type the following:

```
addnode [ cache-id ] [ /x | /N ] [ options ]
[ cache-id ] [ /x existing-server /N new-server ]
[ cache-id ] [ /x existing-server /N new-server /p port ]
```

Parameters

Argument	Description
cache-id	Specifies name of clustered cache. Cache must exist on source server.
/x /existing	Specifies a server name where the NCache service is running and a cache with the specified cache-id is registered. Cache configuration is copied from this server to the destination server.
/N /new-server	Specifies a server name where a cache with the specified cache-id needs to be registered. The cache configuration is copied from the source server name to this server.

Option	Description
/p /port	Specifies the port if the server channel is not using the default port. The default is 8251 for HTTP and 8250 for TCP channels.
/G /nologo	Suppresses display of the logo banner.
/?	Displays a detailed help screen.

Remarks

This tool performs the following basic functions:

- Adds a new node to the existing cache on specified server.
- Enable users to have multiple server nodes in a clustered cache.

Examples

The following command adds a new node 20.200.21.12 to the cache existing on server 20.200.21.11.

```
addnode demoCache /x 20.200.21.11 /N 20.200.21.12
```

The following command adds a new node 20.200.21.12 to the cache existing on server 20.200.21.11 and port.

```
addnode demoCache /x 20.200.21.11 /N 20.200.21.12 /p 8250
```

3. Add Query Index (addqueryindex.exe)

This tool does not change the configuration of a running cache.

Add query index tool (addqueryindex) enable users to add query indexes for the objects to be added in the cache so that later on user can search items in the cache using these indexes.

At the command prompt, type the following:

```
addqueryindex [ cache-id ] [ /a | /c | /L ] [ options ]
[ cache-id ] [ /a assembly-path /c class /L attrib-list ]
[ cache-id ] [ /a assembly-path /c class /L attrib-list /s server ]
```

Parameters

Argument	Description
cache-id	Specifies the name of the cache for which query index will be configured.
/a /assembly-path	Specifies the path of the assembly which will be configured.
/c /class	Specifies the fully qualified class for query indexing.
/L /attrib-list	Specifies the attributes for query indexing ($ separated) e.g. `CustomerID$Name` ...

Option	Description
/s /server	Specifies the NCache server name/ip.
/p /port	Specifies the port on which NCache server is listening.
/G /nologo	Suppresses display of the logo banner.
/?	Displays a detailed help screen.

Remarks

This tool performs the following basic functions:

- Indexes a class in cache.
- Enable users to perform search on indexed attributes.

Examples

The following command adds query index for the attribute CustomerID in cache.

```
addqueryindex demoCache /a C:\Data.dll /c Data.Customer /L CustomerID$FirstName
```

The following command adds query index for the attribute CustomerID in cache existing on server 20.200.21.11.

```
addqueryindex demoCache /a C:\Data.dll /c Data.Customer /L CustomerID$FirstName /s
20.200.21.11
```

The following command adds query index for the attribute CustomerID in cache existing on server 20.200.21.11 and port.

```
addqueryindex demoCache /a C:\Data.dll /c Data.Customer /L CustomerID$FirstName /s
20.200.21.11 /p 8250
```

4. Add Test Data (addtestdata.exe)

Add test data tool (addtestdata) enables the user to add some test data to the cache to verify if the cache is started and working properly. The items added to the cache expire after 5 minutes by default.

At the command prompt, type the following:

```
addtestdata [ cache-id ] [ options ]
[ cache-id ] [ /c item-count ]
[ cache-id ] [ /c item-count /S item-size ]
```

Parameters

Argument	Description
cache-id	Name of the cache for which you want to use this tool.

Option	Description
/c item-count	Number of items to be added to the cache. By default 10 items are added to the cache.
/S /size	Size in bytes of each item to be added to the cache. By default, items of 1k (1024 bytes) are added to the cache.
/e /absolute-expiration	Specifies absolute expiration in seconds (default: 300, minimum: 15).
/G /nologo	Suppresses display of the logo banner.
/?	Displays a detailed help screen.

Remarks

This tool performs the following basic functions:

- Adds test data to the cache with expiration of 300 seconds (5 minutes).
- Adds items of specified size.

Examples

The following command adds 10 items of size 1024 bytes to demoCache with expiry of 5 minutes.

```
addtestdata demoCache
```

The following command adds 100 items of size 1024 bytes to demoCache with expiry of 5 minutes.

```
addtestdata demoCache /c 100
```

The following command adds 100 items of size 2KB to demoCache with expiry of 60 seconds.

```
addtestdata demoCache /c 100 /S 2048 /e 60
```

5. Clear Cache (clearcache.exe)

Clear cache tool (clearcache) enables the user to clear the cache by removing all the items present in the cache.

At the command prompt, type the following:

```
clearcache [cache-id ] [options]
[ cache-id ] [ /F forceclear]
```

Parameters

Argument	Description
cache-id	Name of the cache for which you want to use this tool.

Option	Description
/F /forceclear	Force the clearing of the cache. If not specified, the user is asked before clearing the cache.
/G /nologo	Suppresses display of the logo banner.
/?	Displays a detailed help screen.

Remarks

This tool performs the following basic functions:

- Clears the cache, and asks user before clearing cache.
- Clears the cache forcefully, if specified.

Examples

The following command clears the demoCache.

```
clearcache demoCache
```

The following command forcefully clears the cache and does not ask the user before clearing the cache.

```
clearcache demoCache /F
```

6. Create Cache (createcache.exe)

Create cache tool (createcache) enables the user to create a new cache on one or more server nodes using this command line utility.

At the command prompt, type the following:

```
createcache [ cache-id ][ /s | /S | /T ] [ options ]

[ cache-id ] [ /s server /S cache-size ]
[ cache-id ] [ /s server /S cache-size /T path ]
[ cache-id ] [ /s server /S cache-size /t topology /c cluster-port ]
```

Parameters

Argument	Description
cache-id	Specifies the name of the cache for which cache will be registered.
/s /server	Specifies the NCache server names/IPs where Cache should be configured, separated by commas e.g. 20.200.21.11, 20.200.21.12
For Simple Case: Cache will be created by input and default configuration settings.	
/S cache-size	Specifies the size (MB) of the cache to be created.
For Advance Case: In this case all configurations related settings will be taken from specified configuration file.	
/I /inproc	Specify the isolation level for local cache.
/T path	Specifies the path of the cache source config which will be configured.
/t /topology	For topology other than local you have to give topology and cluster port. Specifies the topology in case of clustered cache. Possible values are I. local II. replicated III. partitioned
/C /cluster-port	Specifies the port of the server, at which server listens.
Option	**Description**
For Simple case:	

/y /evict-policy	Specifies the eviction policy for cache items. Cached items will be cleaned from the cache according to the specified policy if the cache reaches its limit. Possible values are i. Priority ii. LFU iii. LRU (default) NOTE: LFU and LRU are only available in Enterprise edition.
/o /ratio	Specifies the eviction ratio (Percentage) for cache items. Cached items will be cleaned from the cache according to the specified ratio if the cache reaches its limit. Default value is 5 (percent)
/i /interval	Specifies the time interval (seconds) after which cache cleanup is called. Default clean-interval is 15 (seconds)
/d /def-priority	Specifies the default priority in case of priority based eviction policy is selected. Possible values are i. high ii. above-normal iii. normal (default) iv. below-normal v. low
For Both cases:	
/p /port	Specifies the port on which NCache server is listening.
/G /nologo	Suppresses display of the logo banner
/?	Displays a detailed help screen

Remarks

This tool performs the following basic functions:

- Creates a local cache with minimum arguments of cache name, server and size.
- Creates a clustered cache with cache-id, size, server, topology and cluster-port.
- Creates cache with specified eviction settings.

Examples

The following command creates new cache named demoCache on server 20.200.21.11 having size 1024 MB and topology local for simple case.

```
createcache demoCache /s 20.200.21.11 /S 1024
```

The following command creates a local cache named demoCache of size 1024 MB on server 20.200.21.11, with the configuration that exists on the specified path.

```
createcache demoCache /s 20.200.21.11 /S 1024 /T C:\Config.xml
```

The following command creates new cache named demoCache on server 20.200.21.11 having size 1024 MB and topology replicated and occupying the port 8701 for simple case.

```
createcache demoCache /s 20.200.21.11 /S 1024 /t replicated /C 8701
```

The following command creates new cache named demoCache on server 20.200.21.11 having size 1024 MB, topology partitioned, eviction policy priority, default priority high, eviction ratio 10%, clean interval 20, occupying cluster port 8701 for simple case.

```
createcache demoCache /s 20.200.21.11 /S 1024 /t partitioned /y priority /d high /o
10 /i 20 /C 8701
```

Following is a sample cache configuration that can be used to create a cache of same configuration. To create your own caches with this configuration just copy this configuration in a file and save it with .xml or .ncconf file extension. You can also get the configuration of sample caches shipped with NCache setup using `getcacheconfiguration` tool which gives you configuration of the specified cache.

```
<cache-config config-id="0">
  <cache-settings cache-id="myReplicatedCache" alias=""
                  inproc="False" last-modified=""
                  auto-start="False">
    <logging enable-logs="True" trace-errors="True"
             trace-notices="False" trace-warnings="False"
             trace-debug="False" log-path=""/>
    <performance-counters enable-counters="True" snmp-port="0"/>
    <compression enable-compression="False" threshold="100kb"/>
    <cache-notifications item-remove="False" item-add="False" item-update="False"/>
    <cleanup interval="15sec"/>
    <storage type="heap" cache-size="1024mb"/>
    <eviction-policy enabled-eviction="False" default-priority="normal"
                     policy="lru" eviction-ratio="5%"/>
    <cache-topology topology="replicated">
      <cluster-settings operation-timeout="60sec" stats-repl-interval="600sec"
                        use-heart-beat="False">
        <data-replication synchronous="True"/>
        <cluster-connection-settings cluster-port="8700" port-range="1"
                  connection-retries="2"
                  connection-retry-interval="2secs"
                  join_retry_count="24" join_retry_timeout="5"/>
      </cluster-settings>
    </cache-topology>
  </cache-settings>
</cache-config>
```

Using the cache configuration you acquired in the above step, you can create your cache by just specifying the required attributes to the createcache tool. Here is an example.

Let's suppose your configuration file name is '*Testconfig.ncconf*'.

At the command prompt, type the following:

```
createcache demoCache /s 20.200.21.11 /T C:\Testconfig.ncconf
```

7. Dump Cache (dumpcache.exe)

Dump cache tool (dumpcache) enables the user to dump keys to the console currently present in the cache.

At the command prompt, type the following:

```
dumpcache [ cache-id ] [ options ]
[ cache-id ] [ /k key-count ]
[ cache-id ] [ /F key-filter ]
[ cache-id ] [ /k key-count /F key-filter ]
```

Parameters

Argument	Description
cache-id	Specifies id of cache to be dumped.

Option	Description
/k /Key-Count	Specifies the number of keys. The default value is 1000.
/F /Key-Filter	Specifies the keys that contain this substring. By default it is empty.
/G /nologo	Suppresses display of the logo banner.
/?	Displays a detailed help screen.

Remarks

This tool performs the following basic functions:

- Dump the keys present in the cache to the console.
- Dump the keys filtered on the basis of key filter given.

Examples

The following command dumps the 1000 keys currently present in the cache

```
dumpcache demoCache
```

The following command dumps the 500 keys currently present in the cache

```
dumpcache demoCache  /k 500
```

The following command dumps the 500 keys currently present in the cache containing 11 as substring in keys.

```
dumpcache demoCache  /k 20 /F 11
```

8. Get Cache Configuration (getcacheconfiguration.exe)

Get cache configuration tool (getcacheconfiguration) enables the user to get the configuration for the specified cache.

At the command prompt, type the following:

```
getcacheconfiguration [ cache-id ][ /s ] [ options ]
[ cache-id ] [ /s server /T path ]
[ cache-id ] [ /s server /p port ]
```

Parameters

Argument	Description
cache-id	Specifies the name of the cache for which cache configuration will be generated.
/s /server	Specifies the NCache server name/ip.

Option	Description
/T /path	Specifies the path where config will be generated.
/p /port	Specifies the port on which NCache server is listening.
/G /nologo	Suppresses display of the logo banner
/?	Displays a detailed help screen.

Remarks

This tool performs the following basic functions:

- Generate the config file for cache registered on specified server.
- Generate the config file for cache on specified path.

Examples

The following command generates the configuration file for the demoCache.

```
getcacheconfiguration demoCache /s 20.200.21.11
```

The following command generates the configuration file for the demoCache on specified path

```
getcacheconfiguration demoCache /s 20.200.21.11 /T C:\Desktop\config.xml
```

The following command uses port also to generate the configuration file for the demoCache on specified path

```
getcacheconfiguration demoCache /s 20.200.21.11 /T C:\Desktop\config.xml /p 8250
```

9. Get Cache Count (getcachecount.exe)

Get cache count (getcachecount) enables the user to get the total count of items present in the cache.

At the command prompt, type the following:

```
getcachecount [cache-id ] [options]
[ cache-id ] [ /s server-ip ]
[ cache-id ] [ /s server-ip /p port ]
```

Parameters

Argument	Description
cache-id	Name of the cache for which you want to use this tool.

Option	Description
/s /server	Specifies a server name where the NCache service is running and a cache with the specified cache-id is registered. The default is the local machine.
/p port	Specifies the port if the server channel is not using the default port. The default port is 9800.
/G /nologo	Suppresses display of the logo banner.
/?	Displays a detailed help screen.

Remarks

This tool performs the following basic functions:

- Gets the total number of items currently stored in cache.
- Gets the count of cache registered on specified server.

Examples

The following command displays total numbers of items currently in cache.

```
getcachecount demoCache
```

The following command displays total numbers of items currently in demoCache exist on server 20.200.21.11.

```
getcachecount demoCache /s 20.200.21.11
```

The following command uses port also and displays total numbers of items currently in demoCache exist on server 20.200.21.11.

```
getcachecount demoCache /s 20.200.21.11 /p 8250
```

10. List Caches (listcaches.exe)

List caches tool (listcaches) enables the user to list the total caches registered on the server and their status.

At the command prompt, type the following:

```
listcaches [ options ]
[ /a detail ]
[ /a detail /p port ]
[ /a detail /s server ]
```

Parameters

Option	Description
/a /detail	Displays detailed information about the cache(s) registered on the server.
/s /server	Specifies a server name where the NCache service is running. The default is the local machine.
/p port	Specifies the port if the server channel is not using the default port. The default port for the channel is 8250.
/G /nologo	Suppresses the startup banner and copyright message.
/?	Displays a detailed help screen.

Remarks

This tool performs the following basic functions:

- List all the caches registered on the server.
- Show the status of the caches individually if they are running or not.
- Displays detailed information about the cache(s).

Examples

The following command displays total numbers of caches currently registered on the server.

```
listcaches
```

The following command displays total numbers of caches currently registered on the server with detailed information.

```
listcaches /a
```

The following command displays total numbers of caches currently registered on the provided server with detailed information.

```
listcaches /a /s 20.200.21.11
```

11. Remove Cache (removecache.exe)

Remove cache tool (removecache) enables the user to remove an already registered cache using this command line utility.

At the command prompt, type the following:

```
removecache [cache-id ] [options]
[ cache-id ] [ /s sever ]
[ cache-id ] [ /s server /p port ]
```

Parameters

Argument	Description
cache-id	Specifies one or more ids of Clustered Cache. Cache must exist on source server.

Option	Description
/s /server	Specifies a server name where the NCache service is running and a cache with the specified cache-id is registered. Cache configuration is copied from this server to the destination server. The default is the local machine.
/p /port	Specifies a port number on which cache is running.
/G /nologo	Suppresses display of the logo banner.
/?	Displays a detailed help screen.

Remarks

This tool performs the following basic functions:

- Remove already registered cache.
- Remove registered cache(s) on specified server.

Examples

The following command removes the demoCache from local server

```
removecache demoCache
```

The following command removes the demoCache from server 20.200.21.11

```
removecache demoCache /s 20.200.21.11
```

The following command uses port also and removes the demoCache from server 20.200.21.11

```
removecache demoCache /s 20.200.21.11 /p 8250
```

12. Remove Client Node (removeclientnode.exe)

Remove client node tool (removeclientnode) enable users to remove client nodes from the existing clustered caches.

At the command prompt, type the following:

```
removeclientnode [ cache-id ] [ /e ] [options]
[ cache-id ] [ /e client-node ]
[ cache-id ] [ /e client-node /s server-ip ]
```

Parameters

Argument	Description

cache-id	Specifies id of Clustered Cache. Cache must exist on source server.
/e /client-node	Specifies a client node where the NCache service is running.

Option	Description
/s /server	Specifies a server name where the NCache service is running and a cache with the specified cache-id is registered. Cache configuration is copied from this server to the destination server. The default is the local machine.
/p /port	Specifies a port number for communication with the NCache server.
/G /nologo	Suppresses display of the logo banner.
/?	Displays a detailed help screen.

Remarks

This tool performs the following basic functions:

- Removes a client node from the given clustered cache.
- Removes the client node from the given clustered cache on specified server.

Examples

The following command removes client node 20.200.21.12 from the demoCache.

```
removeclientnode demoCache /e 20.200.21.12
```

The following command removes a client node 20.200.21.12 from the demoCache which exists on server 20.200.20.11.

```
removeclientnode demoCache  /e 20.200.21.12 /s 20.200.21.11
```

The following command uses port also and removes a client node 20.200.21.12 from the demoCache which exists on server 20.200.20.11.

```
removeclientnode demoCache /e 20.200.21.12 /s 20.200.21.11 /p 8250
```

13. Remove Node (removenode.exe)

Remove node tool (removenode) enable users to remove node from existing cache.

At the command prompt, type the following:

```
removenode [cache-id ] [options]
[ cache-id ] [ /s server ]
[ cache-id ] [ /s server /g graceful-shutdown ]
```

Parameters

Argument	Description
cache-id	Specifies id of cache registered on the server. The cache with this id is unregistered on the server.

Option	Description
/s server	Specifies a server name where the NCache service is running. This server will be removed from specified cache. The default is the local machine.
/p /port	Specifies the port if the server channel is not using the default port. The default is 8251 for http and 8250 for tcp channels.
/G /nologo	Suppresses display of the logo banner.
/?	Displays a detailed help screen.

Remarks

This tool performs the following basic functions:

- Removes node from existing cache on a server.
- Removes specified node from provided clustered cache.

Examples

The following command removes local node from demoCache.

```
removenode demoCache
```

The following command removes node 20.200.21.12 from demoCache.

```
removenode demoCache /s 20.200.21.12
```

14. Remove Query Index (removequeryindex.exe)

This tool does not change the configuration of a running cache.

Remove query index tool (removequeryindex) enable users to remove pre-defined query indexes for the objects to be added in the cache.

At the command prompt, type the following:

```
removequeryindex [cache-id ] [ /c ] [options]
[ cache-id ] [ /c class ]
[ cache-id ] [ /c class /L attrib-list  /s server ]
```

Parameters

Argument	Description

cache-id	Specifies the name of the cache for which query index will be removed.
/c /class	Specifies the class for removing query index.

Option	Description
/L /attrib-list	Specifies the attributes for removing from query index ($ separated) e.g. `CustomerID$Name` …
/s /server	Specifies the NCache server name/ip.
/p /port	Specifies the port on which NCache server is listening.
/G /nologo	Suppresses display of the logo banner.
/?	Displays a detailed help screen.

Remarks

This tool performs the following basic functions:

- Remove pre-defined query indexes for the objects.
- Remove pre-defined query indexes of the specified class on given server.

Examples

The following command removes query indexes for customer class.

```
removequeryindex demoCache /c Data.Customer
```

The following command removes query indexes for customer class in demoCache existing on server 20.200.21.11.

```
removequeryindex demoCache /c Data.Customer /s 20.200.21.11
```

The following command removes query indexes for some attributes of customer class in demoCache existing on server 20.200.21.11.

```
removequeryindex demoCache /c Data.Customer /L CustomerID$FirstName /s 20.200.21.11
```

15. Start Cache (startcache.exe)

Start cache tool (startcache) enable users to start a cache using this command line utility.

At the command prompt, type the following:

```
startcache [ cache-id ] [ options ]
[ cache-id ] [ /s sever ]
[ cache-id ] [ /s server /p port ]
```

Parameters

Argument	Description

cache-id	Specifies one or more name(s) of caches separated by space registered on the server. The cache(s) with this/these name(s) is/are started on the server. Note: Space-separated cache names are to be specified in case of multiple caches.

Option	Description
/s /server-name	Specifies a server name where the NCache service is running. The default is the local machine.
/p /port	Specifies the port if the server channel is not using the default port. The default management port is 8250
/G /nologo	Suppresses display of the logo banner.
/?	Displays a detailed help screen.

Remarks

This tool performs the following basic functions:

- Starts the cache on current server node.
- Start the cache on the specified server.

Examples

The following command starts cache on local server.

```
startcache demoCache
```

The following command starts cache demoCache existing on server 20.200.21.11.

```
startcache demoCache /s 20.200.21.11
```

The following command uses port and starts cache demoCache existing on server 20.200.21.11.

```
startcache demoCache /s 20.200.21.11 /p 8250
```

16. Stop Cache (stopcache.exe)

Stop cache tool (stopcache) enable users to stop a cache using this command line utility.

At the command prompt, type the following:

```
stopcache [ cache-id ] [ options ]
[ cache-id ] [ /s sever ]
[ cache-id ] [ /s server /g graceful-shutdown ]
```

Parameters

Argument	Description
cache-id	Specifies one or more name(s) of caches separated by space registered on the server. The cache(s) with this/these name(s) is/are stopped on the server. Note: Space-separated cache names are to be specified in case of multiple caches.

Option	Description
/s /server-name	Specifies a server name where the NCache service is running. The default is the local machine.
/p /port	Specifies the port if the server channel is not using the default port. The default management port is 8250
/G /nologo	Suppresses display of the logo banner.
/?	Displays a detailed help screen.

Remarks

This tool performs the following basic functions:

- Stops the cache on specified server.
- Stops a cache on specified server.
- Stops a cache gracefully.

Examples

The following command stops cache on local server.

```
stopcache demoCache
```

The following command stops cache demoCache existing on server 20.200.21.11.

```
stopcache demoCache /s 20.200.21.11
```

17. Stress Test Tool (stresstesttool.exe)

Stress test tool (stresstesttool) enables users to quickly simulate heavy transactional load on a given cache. And, this helps you see how NCache actually performs under stress in your own environment. Please watch NCache performance counters in NCache Manager "statistics" or regular PerfMon.

At the command prompt, type the following:

```
stresstesttool[ cache-id ] [ options ]
[ cache-id ] [ /n item-count ]
[ cache-id ] [ /m item-size /t thread-count ]
[ cache-id ] [ /m item-size /t thread-count /e sliding-expiration ]
[ cache-id ] [ /m item-size /t thread-count /r reporting-interval ]
```

Parameters

Argument	Description
cache-id	Name of the cache.

Option	Description
/n item-count	How many total items you want to add. (default: infinite)
/i test-case-iterations	How many iterations within a test case (default: 20)
/d test-case-iteration-delay	How much delay (in seconds) between each test case iteration (default: 0)
/g gets-per-iteration	How many gets within one iteration of a test case (default: 1)
/u updates-per-iteration	How many updates within one iteration of a test case (default: 1)
/m item-size	Specify in bytes the size of each cache item (default: 1024)
/e sliding-expiration	Specify in seconds sliding expiration (default: 300; minimum: 15)
/t thread-count	How many client threads (default: 1; maximum: 3)
/r reporting-interval	Report after this many total iterations (default: 5000)
/G /nologo	Suppresses display of the logo banner.
/?	Displays a detailed help screen.

Remarks

This tool performs the following basic functions:

- Allow users to perform heavy load on cache and check performance of the cache.
- Performs add, get, update and delete operation on the cache.

Examples

The following command executes stresstesttool on demoCache.

```
stresstesttool demoCache
```

The following command executes stresstesttool on demoCache and will add items of size 2kb.

```
stresstesttool demoCache /m 2048
```

The following command executes stresstesttool on demoCache and will add items of size 2kb using two threads.

```
stresstesttool demoCache /m 2048 /t 2
```

18. Verify License (verifylicense.exe)

Verify license tool (verifylicense) enables the user to verify the NCache License. For registered version it will display the registration details. In evaluation mode it will display the remaining day if evaluation is still valid else give the expiration message.

At the command prompt, type the following:

```
verifylicense [ options ]
[ /G /nologo ]
```

Parameters

Option	Description
/G /nologo	Suppresses the startup banner and copyright message.
/?	Displays a detailed help screen.

Remarks

This tool performs the following basic functions:

- Shows the registration details
- Shows evaluation period
- Gives expiry information

Examples

The following command displays registration details.

```
verifylicense
```

The following command displays registration details without displaying logo banner.

```
verifylicense /G
```