

Updated 07/28/2023

Sign up

Alachisoft NCache training

2 days (14 hours)

Presentation

NCache is a 100% native .NET Open Source distributed cache (available under Apache license, version 2.0) published by **Alachisoft** under .NET Core and classic Framework.

NCache provides an extremely fast, linearly scalable distributed cache that caches application data and reduces costly database moves. Use NCache to remove performance bottlenecks from your data storage and databases, and to adapt your .NET and Java applications to extreme transaction processing (XTP).

In this course, we'll look at how to create caches and configure local cache and cache cluster settings. After an introduction to NCache, we'll get down to configuration and management operations, as well as cache security and NCache monitoring.

The course will use the latest stable version of the project ([Alachisoft NCache Core 5.2](#)).

Objectives

- Setting up local and cluster caches
- Configuring the cache for your environment
- Monitor caches in different ways

Target audience

- Director
- Developer
- Project Manager

Prerequisites

Knowledge of the .NET environment

NCache training program

Introduction to NCache

- Create a local cache
- Creating a cluster cache
- Version update
- NCache Manager
- Core & Framework Classic

Configure Caches

- Server node in a cache cluster
- Configuring local and cluster caching
- Query index for a cache
- Class registration
- Data Source Providers
- Startup Loader
- Cache level and activity events
- Eviction Policy
- Compression settings
- Heart Beat, MapReduce
- Error log
- Configuration file

Management operations

- Starting, stopping and restarting a cache in NCache
- Manage cache service on a server node
- Apply cold and hot configuration
- Reset configuration
- Data load balancing

Configuring client caches

- Add/remove a cluster client node
- Configure node
- Create a client cache
- Activating and deactivating the client cache
- Configuring the client cache

Security

- Configure for Cache Management
- Configuring cache security
- Security for customer nodes
- Encryption for a cache
- SSL / TLS communication in NCache

Bridge over WAN Replication (Optional Module +1 day)

- Creating a bridge
- Add/remove a cluster cache
- Connecting/disconnecting a cache in a bridge
- Configuring the bridge
- Configuring the Conflict Resolver
- Modifying cache synchronization modes
- Configuring a Master Cache
- Force State Transfer

NCache on Docker (Optional module +0.5 day)

- Using NCache Docker images
- Customize NCache's Dockerfile

Monitoring (Optional Module +1 day)

- Cache monitoring with NCache Manager and NCache Monitor
- Monitoring Bridge with NCache Manager
- Monitor NCache with Windows PerfMon Tool
- Logs in NCache
- Troubleshooting NCache Monitoring

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.