

# **.NET Interoperability 101**

## **Microsoft Dynamics NAV Workshop**

Dynamics NAV .NET interoperability allows you to take advantage of a powerful development framework from within NAV, readily available for all implementations. The .NET framework replaces Automation/OCX technologies that were used in the classic Dynamics NAV versions and goes well above and beyond what you could do with them, in a much more future-proof way.

### **2 days of Hands-On workshop**

The workshop focuses on .NET Framework and the way it integrates into Dynamics NAV platform.

**Workshop content:** During the first day you will learn the basics of the .Net Framework: explore commonly used .Net classes, various object oriented principles and concepts of the .Net Framework architecture. Important similarities and differences from C/AL will be highlighted and explained. The second day is dedicated to more advanced examples and exercises, including some basics of development in C#.

#### **Agenda:**

##### **Day 1**

- Overview of Microsoft .NET Framework
- Overview of .NET Interoperability
- Type mapping, comparison, and conversion
- Arrays and Collections
- Managing date, time, and numbers
- Scope

##### **Day 2**

- Accessing OS, Files, and Environment
- Streaming
- Developing Custom Assemblies
- Client and Server Side Execution
- Debugging
- Advanced Examples and Tips & Tricks

The training is a mix of presentations, plenum tasks, laboratory works and self-tests.

***Get a head and start investing in your knowledge today: it is your way to enhance NAV and to differentiate in the market!***

*"How do you make two, three, or more pages (or page parts, for that matter) talk to each other to pass some information needed in all those situations when ProviderID simply doesn't get the job done?.NET interoperability, what else." Vytenis Jakas, instructor*

**Recommended attendees:** Dynamics NAV developers, administrators, application architects.



**Prerequisites:** Knowledge of Dynamics NAV C/AL development

**Workshop outcome:** At the end of the second day you will be able to create custom .NET assemblies using Visual Studio and then deploy these assemblies for use in a Dynamics NAV environment.

#### **About instructor**



A two day workshop will be conducted by Vytenis Jakas. Vytenis has 15 years of extensive international experience developing Microsoft Dynamics products. He held a Senior Dynamics NAV Consultant/Developer position at one of the largest Microsoft Dynamics retailer in the United Kingdom, and played a key role in a number of international projects

implementing, developing and upgrading Microsoft Dynamics NAV solutions. Vytenis' background also includes experience in design and development of several diverse integration solutions for Dynamics NAV, where he acted as a lead architect.

#### **About 1ClickFactory**

1ClickFactory is the leading Dynamics Upgrade Center that is specialized in developing and upgrading Microsoft Dynamics solutions exclusively through Microsoft Dynamics partners. The 1ClickFactory team of developers has more than 15 years of international experience developing on Microsoft Dynamics platforms. Not only they have developed valuable upgrade methodologies and tools that can simplify the upgrade process and reduce the TCO of Microsoft Dynamics solution maintenance in the future, but also were one of the first companies to start investing in Extensions and Self-Provisioning on Cloud knowledge.

#### **Pricing and additional information**

Interested in organizing such a workshop in your home town or maybe even especially for your company? Please contact us: [info@1clickfactory.com](mailto:info@1clickfactory.com)