

Microsoft Dynamics NAV 2016 came pre-packed with Extensions and thereafter, in December 2016, Microsoft announced Extension 2.0. Extensions, how to develop them and how to use Visual Studio Code will be a game changer for anyone who wants to participate in Dynamics 365 Tenerife and Dynamics NAV business in the future. Microsoft not only pushes Extensions and Events-driven development over old-school customizations, but also Extensions are now the only way to have your solution on Dynamics 365. Extensions will also dramatically reduce maintenance and distribution efforts for your solution.

## 3 days getting hands-on Extensions

During a 1ClickFactory-designed, three-day Extensions 2.0 development for D365 Tenerife workshop, developers will get acquainted with the general concepts of creating NAV Extensions in Visual Studio Code. This extensive workshop will cover:

### Day 1

- Introduction to Extensions
- How/When to use Extensions (as a consultant)
- Events-driven NAV Development
- Mindset for NAV Extensions development
- Developing extensions for on-premises vs D365
- Overview of AL development language (and differences from C/AL) with NAV Development
- Setting up an environment for Group Development of Extensions 2.0
  - NAV development server
  - Visual Studio Code
  - Source control for Visual Studio Code
  - Customize Visual Studio code for NAV development

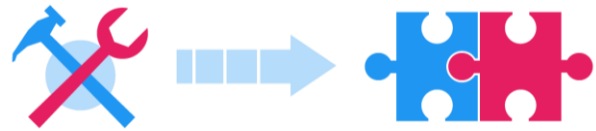
### Day 2

- Case Scenario 1: Hands-on Extensions 2.0 development
- Extension Manifest and packaging additional resources to extension
- Data handling when extension is installed
- Development with Extensions 2.0 toolkit:
  - Web services
  - Working with files (Text, XML, JSON)
  - Customize visual elements
- Reports
- Azure functions for .NET replacement
- Best practices for building modern user experience in Dynamics NAV

### Day 3

- Case Scenario 2: Upgrade from Microsoft Dynamics NAV C/AL code to Extensions 2.0 in Visual Studio Code AL language
  - Using Dynamics NAV PowerShell toolkit for working with NAV objects
  - Using txt2al C/AL to AL code conversion tool

- Refactoring code not handled by automatic conversion
- Designing and building data migration from add-on to extension
- How to get ready for Microsoft AppSource



**Requirements for attendees:** It is a prerequisite for participants to have at least 3 years of C/AL Development experience, to understand the concept of events and to be familiar with Extensions 1.0.

**Workshop outcome:** Participants will leave the workshop with a clear view on how to add functionality to Microsoft Dynamics deployment by building extensions for NAV.

*"If you're still denying Extensions or avoiding diving into it, you simply risk getting left behind." – Martynas Butrimanskas, 1ClickFactory, "How to Upgrade Add-Ons to Extensions" workshop instructor at Directions EMEA 2017*

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

## About 1ClickFactory

Being a Dynamics solution provider today can be an opportunity or a challenge. Your business is challenged by new business models, technologies, competitors, growth, etc. In all, it's a constantly changing world that is difficult to navigate and create more profitability with less risk and lower investments. [1ClickFactory](#) helps Partners efficiently update, deploy, transform, develop and certify solutions for Microsoft Dynamics. We are the largest provider of [Microsoft Azure services](#) for Dynamics platforms. We lead innovation with services for Dynamics 365 apps and Extensions.

## Pricing and additional information

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