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 MOBILE SOLUTIONS FOR MICROSOFT DYNAMICS


# Dynamics Anywhere Framework

## For Microsoft Dynamics NAV

Technical Whitepaper

Version 1.2




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### Summary

The Dynamics Anywhere Framework (DAW) for Microsoft Dynamics®NAV provides an integrated and reliable framework for creating real-time Enterprise Mobile Applications. All Microsoft Dynamics® NAV functions can easily be made available on mobile devices.

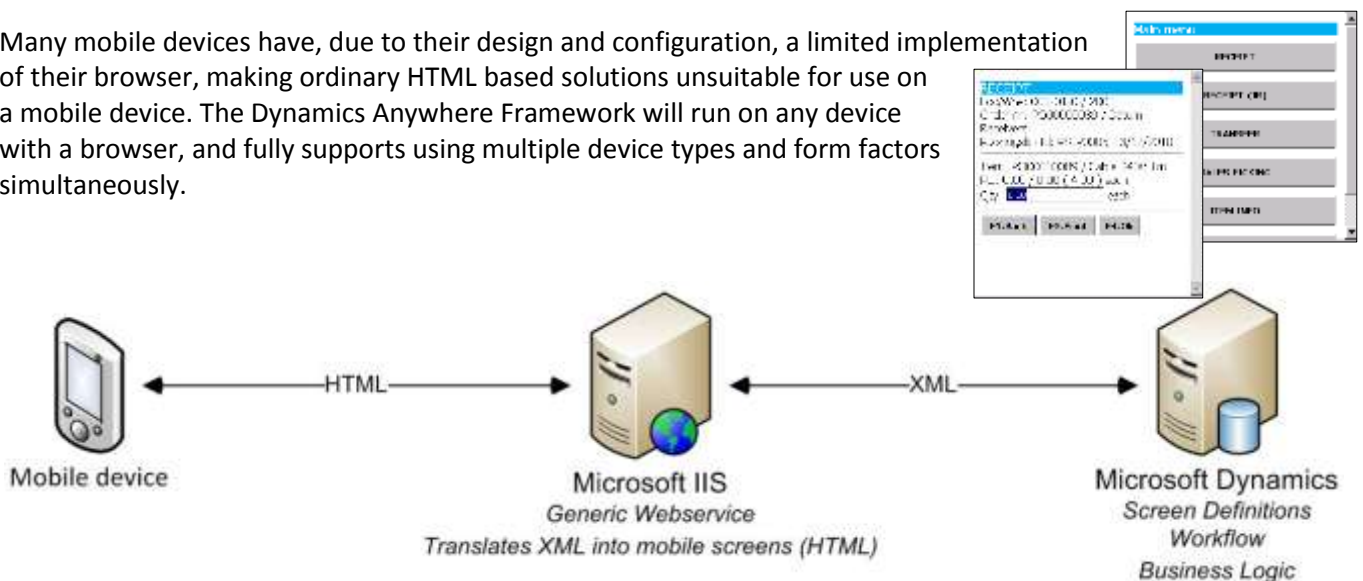
Thanks to the 100% integration of the framework with Microsoft Dynamics® NAV, there's only one central system, one database and one programming language which will reduce the Total Cost of Ownership (TCO).


### Solution

Recognizing the need for a solution that is fully integrated into Dynamics NAV, the Dynamics Anywhere Framework is designed as an integrated tool. Dynamics Anywhere applications are developed within the Dynamics NAV development environment. This means that no middleware is required, and no duplication of business logic should ever be needed. In addition, developers experienced with the Dynamics NAV development platform can develop and support Dynamics Anywhere Framework applications without having to familiarize themselves with a new development platform or other middleware. In addition, developing directly in Dynamics NAV eliminates the problem of having to open up Dynamics NAV functionality to an external process or application.

Key element of the Dynamics Anywhere Framework is the Dynamics Anywhere Portal. Utilizing Dynamics NAV Business Connector technology to connect to Dynamics NAV, the Dynamics Anywhere Portal carries Dynamics NAV into the mobile world. Designed specifically to work flawlessly with any mobile device, the Dynamics Anywhere Portal presents the user with an attractive, fast and reliable user interface. In addition, the user interface is designed to make the most of the mobile device, providing a clutter free view of the application and making full use of additional resources like barcode scanners and RF tag readers to improve user productivity.

Many mobile devices have, due to their design and configuration, a limited implementation of their browser, making ordinary HTML based solutions unsuitable for use on a mobile device. The Dynamics Anywhere Framework will run on any device with a browser, and fully supports using multiple device types and form factors simultaneously.



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### Functional Highlights

- Full Dynamics NAV Integration
  - No middleware required. Since Dynamics Anywhere Framework applications are developed completely within the Dynamics NAV development environment, there's no need for middleware. This means less hassle with support and less hassle when modifications are required.
  - Developers familiar with Dynamics NAV development can develop and maintain Dynamics Anywhere Framework applications. No need to build up experience with a new development platform.
  - Developed within Dynamics NAV means there's no need to open up business logic to external processes or applications. This reduces security risks, and also makes support and maintenance of Dynamics Anywhere applications that much easier.
- Dynamics Anywhere Portal provides a simple and reliable interface to mobile devices.
  - Works on any mobile device with a browser. There's no need to support multiple clients for multiple device types and versions.
  - Support usage of multiple device types and form factors simultaneously. Within the same application, presentation can be configured to look and work well on every device in use.
  - Works with limited browser implementations commonly found on mobile devices. Where ordinary HTML based solutions work poorly or not at all on mobile devices, the Dynamics Anywhere Portal is designed to overcome these problems.
  - Makes the most of additional resources like barcode scanners or RF tag readers. Smart usage of these additional resources greatly improves user productivity, while at the same time improving ease of use and greatly reducing errors.

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### Benefits

- Ease of Development
  - Develop within Dynamics NAV development environment. No need for additional development environments, no middleware required, and no need to worry about a mobile device client.
- Ease of Support
  - No middleware to support and maintain.
  - No need to train for support and maintenance of additional platforms and applications, it's all Dynamics NAV.
  - No need to support multiple clients for multiple device types and versions.
- Ease of Use
  - Use any mobile device with a browser.
  - Use multiple device types and versions simultaneously.
  - Make the most of additional mobile resources like scanners and RF tag readers.