

WEBSERVER FOR NAVISION

E Foqus 2008



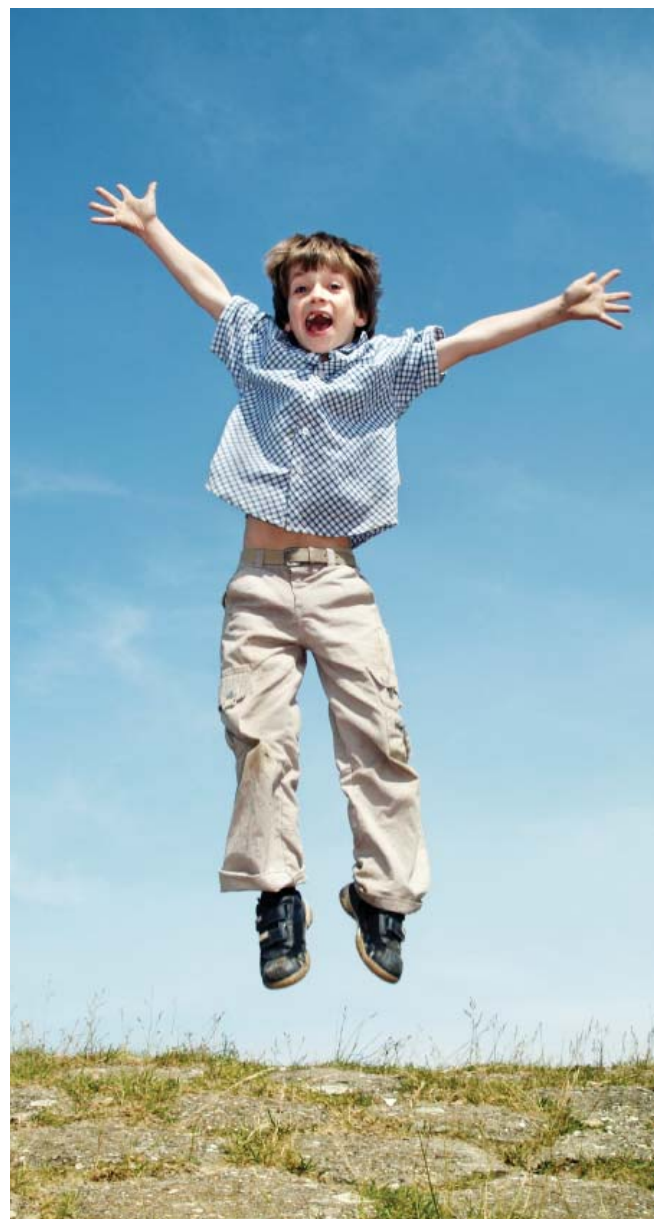
Webserver for Navision (WSFN)

WSFN is an application suite that enables Microsoft Dynamics NAV partners to expose business logic from NAV directly on a web page. It is also possible to present live data directly in HTML. There are no defined constraints on HTML so even the most complicated HTML can be used with Dynamics NAV.

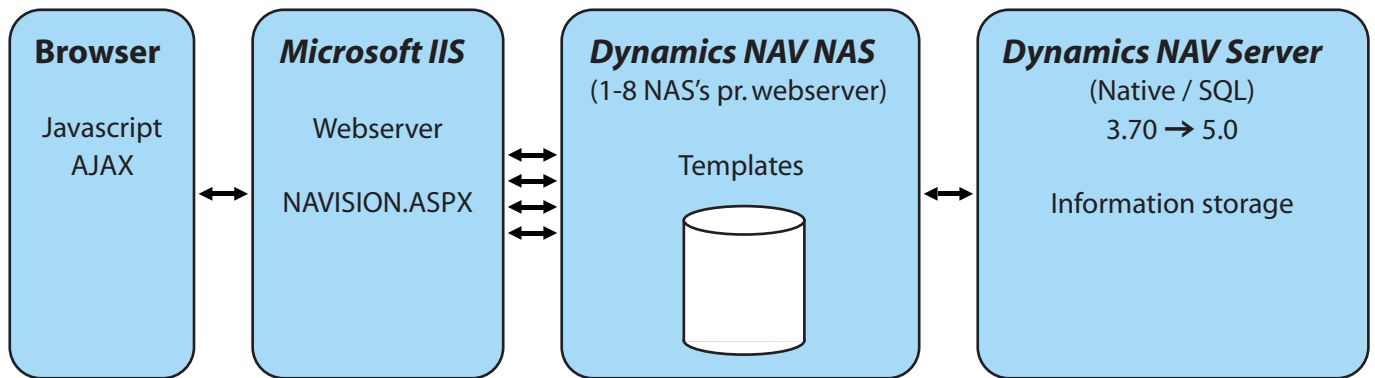
This technology was originally built to provide online Internet features for E Foqus' NAV Financial solutions, but has since evolved into a complete package that can be used by any NAV application. A Webshop solution (both B2B and B2C) is supplied with the standard package. An additional package delivers support for PDF functionality.

Since this system has its roots in the finance business there are many security features to deploy, that will ensure authorized access to data. WSFN has its own security manager where the setup is managed.

WSFN can be used by a typical NAV consultant who have a brief knowledge of HTTP and HTML to build online Dynamics NAV applications.



From a technical viewpoint, WSN is made of four blocks



1. An AJAX (Asynchronous JavaScript and XML) toolset that enables direct calls to NAV's business logic from a web page.
2. Microsoft Internet Information Server 5+ with .NET 2.0
The front of WSN is Microsoft's webserver. All requests are handled by the server and NAS load balancing is performed. The standard version supports up to 4 NAS's pr. IIS server.
3. Microsoft Dynamics NAV Application Servers
The actual work is performed by the NAS. All requests are executed by the NAS.
4. Microsoft Dynamics NAV database server, both Native and SQL is supported. A series of tables hold all information about the webserver operation, incl. users, logs and setup.



There are two different ways a web browser can contact WSN:

1. Normal HTTP GET or HTTP POST requests. These requests will either generate a webpage (HTML) or call a codeunit. The codeunit can generate HTML, XML, binary data or control functions (ei. Redirect).
2. Ajax call with FIND, GET, NEXT, INSERT, MODIFY, DELETE and VALIDATE. Other call types are more complex for doing look-up and other operations. This is done from a supplied JavaScript Ajax library.

Very simple HTML tag style for creating HTML

The following example will list all customers (table 18) by looping over the table and showing field 3 (Name) on the HTML page.

```
<NAVISONTABLE:18>  
<NAVISONLOOP:18:"-">  
  <NAVISON:18:3><BR>  
<NAVISONENDLOOP:18:1>
```

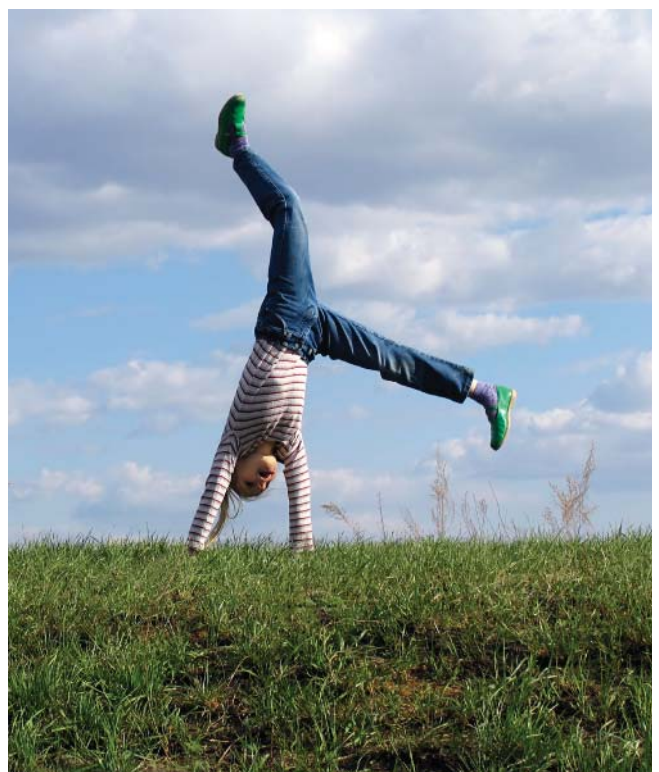
We support two different tag styles, so it could also be written as:

```
<?TABLE(18)?>  
<?LOOP(18,'-')?>  
  <?FIELD(18,3)?><BR>  
<?ENDLOOP(18,1)?>
```

There are many different tags for controlling the flow of the page. Also there is support for embedding pages within pages (without having to use frames, iframes or other features that places constrains on the creative ideas).

Webshop Solution, key features

- Supports both B2B and B2C solutions
- Complete integration with standard NAV inventory and sales module
- Integration with DIBS (Danish credit card clearing house)
- Persistent shopping cart for B2B users
- Dynamic menu structure based on Item categories



Support for multiple languages

WSFN supports multiple languages. Templates and functionality can be created for each language with a built-in fallback language.

Multiple levels of security

WSFN supports both 2- and 3-fields login. Security can be assigned to each table with different user levels and different security filters and permissions. This can be linked to an internal Dynamics NAV data type (which means that a Customer already logged in, will only be able to view ledger entries that belongs to that specific customer).

Use standard NAV reports directly on web pages

Dynamics NAV Reports can be placed anywhere on a web page as HTML. We use of the additional PDF feature reports can be generated in realtime as PDF.

Next Steps

1. Purchase the software from E Foqus Denmark A/S.
2. Please attend a 1 day class in Copenhagen to learn the basics of WSFN.

Visit www.foqus.dk to see dates for next class.
3. Configure granule 6071320 "IIS Integration" in customer's license.
4. Build web pages and support codeunits and set-up security.
5. Set up a test site at customers.
6. Deploy live system.



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