

Technology Framework

Microsoft Dynamics NAV

MICROSOFT TECHNOLOGIES IN MICROSOFT DYNAMICS™ NAV

Microsoft Dynamics NAV, formerly Microsoft® Business Solutions–Navision®, integrates with leading Microsoft products and technologies to boost productivity, connectivity and business insight for small and medium-sized companies.

Overall Microsoft Dynamics NAV

- Microsoft® Windows® 2000
- Microsoft® Windows® XP
- Microsoft® Windows® Server 2003
- Windows® Installer and Active Directory®
- Microsoft® SQL Server® 2000
- Microsoft® Office Suite
- Microsoft® Windows® SharePoint Services

Key Benefits:

- Reliably manage Microsoft Dynamics NAV with Windows Installer, an engine to manage, install, modify, or remove an application.
- Efficiently share and manage information about your network resources and users with Active Directory.
- Quickly provide your users with open access to the Microsoft Dynamics NAV application areas that they're entitled to with one-time authentication.
- Easily maintain your personal settings if you need to work in Microsoft Dynamics NAV from a different PC, making it easier to use.
- Give employees access to the critical business information they need

Key Benefits Microsoft SQL Server 2000:

- Support a large or growing database and a high number of concurrent users.
- Integrate Microsoft Dynamics NAV with any number of third-party products.
- Facilitate reliable exchange of information with other applications and systems.
- View your data in a number of ways using OLAP and data warehousing, so you have your finger on the pulse concerning your customers and products.

Key Benefits Microsoft Office Suite:

Microsoft Dynamics NAV enables you to draw on the functionality of familiar programs, such as Microsoft Word and Excel, to organize business data for various uses, campaigns, and analyses. For example, from within Microsoft Word, you can build queries that will extract data directly from the C/SIDE Database for Microsoft Dynamics NAV to create customer letters, such as notifying a customer that they have reached a certain bonus level where they have earned a rebate. More sophisticated queries can be made in programs, such as Microsoft Excel, producing reports and analyses of up-to-the-minute financial and other data. With Microsoft Excel, data from Microsoft Dynamics NAV can be read directly into a spreadsheet to produce simple reports.

Commerce Portal in Microsoft Dynamics NAV

Commerce Portal is an Internet-based solution that is integrated with Microsoft Dynamics NAV. It provides a company's customers and business partners with an online Web portal containing relevant information and services that enable them to carry out commercial transactions with each other. Commerce Portal allows a company to create Web portal users with different roles and permissions as well as multiple Web sites.

- Microsoft Windows 2000 +SP4 / 2003 Server
- Microsoft Internet Information Server (Part of Microsoft Windows 2000/2003 Server)
- Microsoft® Message Queue (Part of Microsoft Windows 2000/2003 Server)
- Microsoft SQL Server 2000 + SP3 (used by Commerce Server)
- Microsoft® Commerce Server 2000 + SP3 / 2002 + SP2 (Only Commerce Server 2002 on Windows 2003 Server)
- Microsoft® XML Parser 3.0 SP3
- Microsoft® Internet Explorer 6.0 SP1 or later

Key Benefits:

- Improve your response time to your partners, customers, and vendors, who can all get role-based portals with updated product, pricing, catalog information, and more.
- Enable information to flow freely between Microsoft Dynamics NAV and the front-end portal, so users can submit and receive information directly to and from Microsoft Dynamics NAV at their convenience.
- Reduce costs by automating transactions. Microsoft technology reduces the bottleneck of manual order entry and lets customers see for themselves what the latest products look like, the latest price, and the most current description as soon as you update it in Microsoft Dynamics NAV.
- Save costs by setting up reverse online auctions to purchase products and services from vendors. A purchasing employee enters information on the desired item, quantity, and delivery time. Vendors respond to the auction by making bids on their Web portal, stating what quantity they have and when they can deliver, and you can choose the best offer.

In order to use Commerce Portal with Microsoft Dynamics NAV 4.0, you must use the Commerce Portal Synchronization services and demo sites released with Microsoft Navision 3.70. Contact your Microsoft Certified Partner for additional information.

Commerce Gateway in Microsoft Dynamics NAV

Commerce Gateway facilitates the electronic exchange of business documents between business partners. Commerce Gateway tightly integrates with Microsoft® BizTalk® Server and is part of your Microsoft Dynamics NAV solution, which means that information sent or received by Commerce Gateway is automatically updated in the Microsoft Dynamics NAV back-office system.

- Microsoft Windows 2003 Server
- Microsoft Windows 2000 Server or Windows XP
- Microsoft BizTalk Server (any version)
- Microsoft SQL Server 2000

Key Benefits:

- You can participate as a supply chain partner cost-effectively with Commerce Gateway, which uses the Application Server for Microsoft Dynamics NAV, XML schemas and Microsoft BizTalk Server to map and trade business documents between Microsoft Dynamics NAV and other systems.
- You get the leverage to reach out to new trading partners, regardless of the system they use or the standards they require. Microsoft BizTalk Server is built on XML and can map data between virtually any two data formats, such as EDIFACT, X12 and flat files, using drag and drop technique.
- You cut your response time to your trading partners; Microsoft BizTalk Server works with the Application Server for Microsoft Dynamics NAV to immediately handle sales orders.

Employee Portal in Microsoft Dynamics NAV

Employee Portal gives your employees easy access to the critical business information they need to do their job. It comes with out-of-the-box Microsoft .NET based Web parts, and it is easy to configure on the Microsoft Dynamics NAV 4.0 backend. Employee Portal is intuitive and simple to use. You save on training costs, and your employees can start working immediately. There are no extra software costs. Microsoft SharePoint Services is included in Microsoft Windows 2000 and Microsoft Windows 2003.

- Microsoft Windows Server 2003
- Microsoft Windows SharePoint Services SP1
- Microsoft .NET Framework 1.1
- Microsoft J# Redistributable Package 1.1 (Plug-in)
- Microsoft Message Queue
- Database Server for Microsoft Dynamics NAV 4.01 or SQL Option
- Application Server for Microsoft Dynamics NAV 4.01

Key Benefits:

- Set up Web-based interface easily. Employee Portal makes it easy for your employees to work with critical business information on your company intranet. Employees use SharePoint – the Microsoft intranet standard – to access real-time business information directly from Microsoft Dynamics NAV 4.0.

- Reduce training time and costs. If your employees have worked with a Microsoft program or surf the Internet, they have all the experience they need to begin to use the system.
- Increase employee productivity by giving your employees instant access to the information they need to do their job such as analytical reports, real-time integrated data, sales and service tools.

Relationship Management and Service Management in Microsoft Dynamics NAV

- Microsoft Word 2000/XP/2003
- Microsoft Outlook® 2000/XP/2003 with Collaboration Data Object (CDO) installed
- Microsoft® Exchange Server 5.5, SP4 or later, or Microsoft Exchange Server 2003

Key Benefits:

- Access your up-to-date contacts, tasks and calendar information from Microsoft Outlook directly in Microsoft Dynamics NAV.
- Keep records of your e-mail correspondence, business contacts, meetings, tasks, appointments, and so on, in both Outlook and Microsoft Dynamics NAV and to share selected records with your colleagues. For example: when you create an e-mail from Microsoft Dynamics NAV, the e-mail is also registered in Outlook, and when you assign a task in Outlook, the task is also registered in Microsoft Dynamics NAV.
- Communicate better with your customers and colleagues with E-Mail Logging, which gives you a greater overview of your e-mails. You can integrate e-mails between Microsoft Outlook and Microsoft Dynamics NAV using Microsoft Exchange Server. You'll be able to maintain current e-mail records in both systems and share and publish knowledge about external contacts.

For more information about Microsoft technologies in Microsoft Dynamics NAV, visit:

www.microsoft.com/dynamics/nav

DATA SUMMARY SHEET

Key Features	Description
Microsoft Windows 2000 Microsoft Windows XP Windows Installer and Active Directory	<ul style="list-style-type: none"> ▪ Operating systems to run Microsoft Dynamics NAV ▪ Windows Installer: engine to manage, install, modify, upgrade, or remove an application ▪ Active Directory: provides a directory service for distributed networking environments; stores information on the primary settings for each user; lets organizations create multiple copies of the directory and place them throughout the network
Microsoft SQL Server 2000	<ul style="list-style-type: none"> ▪ Integrated with C/SIDE (Client/Server Integrated Development Environment) ▪ Suitable for companies that manage a lot of information and have or are expecting a large database ▪ Highly scalable and can integrate with large number and variety of third-party products ▪ Provides Online Analytical Processing (OLAP) and data warehousing ▪ Automates backup and restore procedures
For Commerce Portal: Microsoft Windows 2000 SP4 / 2003 Server Microsoft Internet Information Microsoft Message Queue Microsoft SQL Server 2000 SP3 (used by Commerce Server) Microsoft Commerce Server 2000 SP3 / 2002 SP2 Microsoft XML Parser 3.0 SP3 Microsoft Internet Explorer 6.0 SP1 or later	<ul style="list-style-type: none"> ▪ Microsoft Information Server and Microsoft Commerce Server provide functionality that allows users to access a company's Web portal via a browser and submit and request information to and from Microsoft Dynamics NAV. ▪ Requests are passed on as messages through the Microsoft Message Queue Server to the Microsoft SQL Server database and the C/SIDE Database for Microsoft Dynamics NAV, which processes and replies to the messages. ▪ In order to use Commerce Portal with Microsoft Dynamics NAV 4.0, you must use the Commerce Portal Synchronization services and demo sites released with Microsoft Navision 3.70. Contact your Microsoft Certified Partner for additional information.
For Commerce Gateway: Microsoft Windows2003 Server Microsoft Windows Server 2000 or Windows XP Microsoft Biztalk Server Microsoft SQL Server 2000	<ul style="list-style-type: none"> ▪ Along with Application Server for Microsoft Dynamics NAV and XML schemas, Microsoft BizTalk Server maps and trades documents between Microsoft Dynamics NAV and other systems. ▪ Microsoft BizTalk Server can map data between virtually any two data formats, such as EDIFACT, X12 and flat files, using drag and drop technique. It also uses other tools such as: Microsoft BizTalk Editor, to create, edit, and manage document specification, and Microsoft BizTalk Mapper, to create, edit, and manage document maps.

Key Features	Description
For Relationship Management and Service Management: Microsoft® word 2000/XP/2003 Microsoft Outlook 2000/XP/2003 with collaboration data object (cdo) installed Microsoft Exchange Server 5.5, sp4 or later, OR Microsoft Exchange Server 2003	<ul style="list-style-type: none"> ▪ E-mail notifications, synchronizing Outlook contacts, tasks, and calendar items with corresponding contacts and to-dos in Microsoft Dynamics NAV. ▪ E-mail logging feature: offers integration between Microsoft Exchange Server and Microsoft Dynamics NAV - logging of outgoing and incoming e-mails inside Microsoft Dynamics NAV.
For Employee Portal: Windows SharePoint Services	<ul style="list-style-type: none"> ▪ The Microsoft Standard for intranet information sharing ▪ Helps teams share information, collaborate on documents, and collect team knowledge over the Internet or your corporate network ▪ Can scale to thousands of sites within an organization ▪ Encrypted communication and detailed security options are available for easy management ▪ Included in Microsoft Windows 2000, Microsoft Windows 2003, and Microsoft SharePoint Portal Server 2003

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