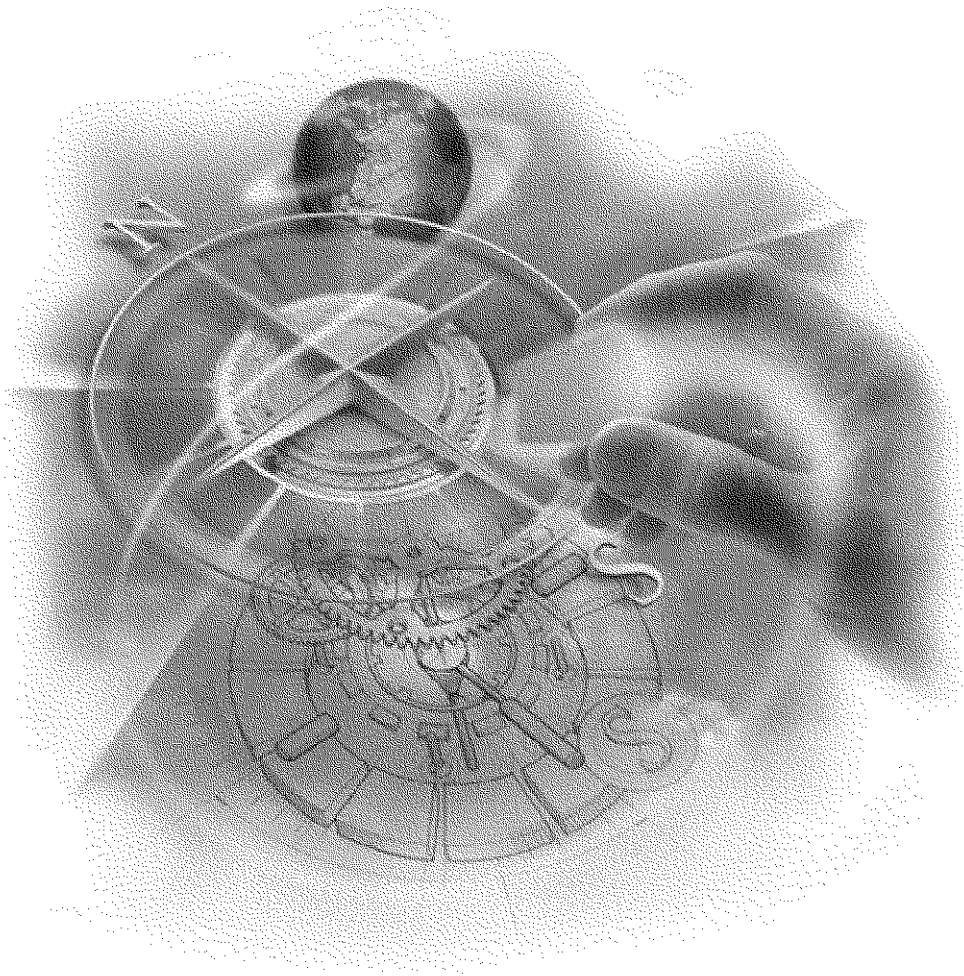


eBusiness on NetWare



Novell Developer Kit

Novell®

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eBusiness on NetWare

Businesses are using the Web to shorten product design time, speed up the order and delivery of components, track sales, and receive instant feedback from customers. By using the Internet to link directly to suppliers, factories, distributors, and customers, you can greatly reduce time-consuming and tedious tasks, which makes eBusiness today's buzz word.

With eBusiness on NetWare, you can utilize NetWare components to establish a high-powered virtual storefront on the Internet.

eBusiness on NetWare also assists you in creating a virtual online store and throws light on how to use Novell Script for NetWare to create and operate an online store and on how to access the database and NDS for product and user information, respectively.

Look for additional demos that focus on other Novell technologies at [Novell Developer Kit Web site \(http://developer.novell.com/ndk/\)](http://developer.novell.com/ndk/) > sample code > demos > Showcase Applications and Demos.

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1

Setup and Configuration

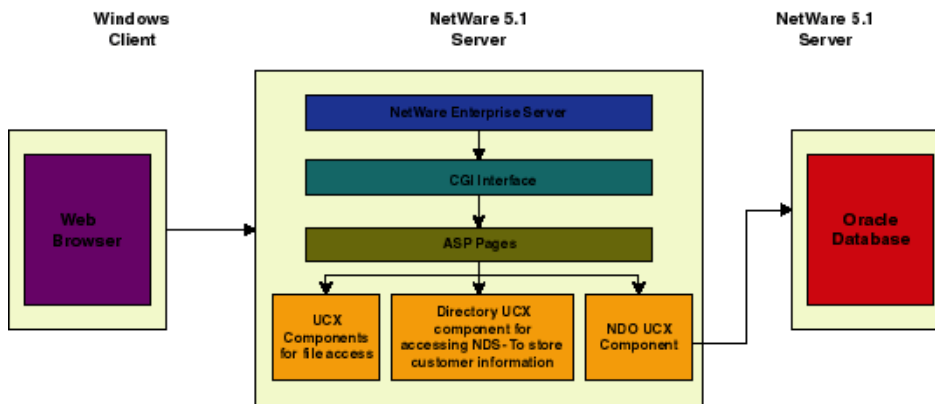
eBusiness is designed for those who have a working knowledge of Novell Script Pages (NSP) and Novell Script for NetWare® (NSN).

Requirements

This application is designed to run on NetWare and uses NetWare Enterprise Web server and Oracle 8i to access the database.

To use this configuration, install Oracle 8i for NetWare, which is included with NetWare 5.1.

Work Flow Diagram



Setting Up

Unzip the file eBiz.zip to the root of the server. The following folders will be created under SYS:\NOVONYX\SUITESPOT\DOCS\EBIZ:

- ♦ Manager
- ♦ Template
- ♦ Documentation

Configure your environment by running
http: \<servername> \Ebiz \Manager \setup.html.

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Behind the Scenes

This section explains the implementation, technologies, and source code used in eBusiness.

Technology

The main technology behind this application is NSP, which involves embedding Novell Script for NetWare with HTML.

eBusiness on NetWare utilizes

- ♦ the NetWare Data Object (NDO) for accessing the database
- ♦ the NWDir component for NDS access
- ♦ a third-party Payment Server for secured and authenticated payment

For more details visit [Authorize \(www.authorize.net\)](http://www.authorize.net).

Code Overview

Following are the code snippets used for “NDS Login” on page 9 and for “Database Access” on page 10 in eBusiness on NetWare.

NDS Login

Log in to NDS and create a user under the server’s default context.

```
Set NWDir=CreateObject("UCX:NWDIR")
username="user"
password="Pass"
NWDir.Login(username,password)
```

```
StoreName="StoreName"  
FullName=NWDir.FullName  
Set OuObj=NWDir.FindEntry(FullName)  
Set Entries=OuObj.Entries  
ShopID="ShopID"  
Set UserObj=Entries.Add(ShopID, "User")
```

Database Access

Create a connection object and open the database.

```
Set cn=CreateObject("UCX:NDODB.CONNECTION")  
Db_User="System"  
Db_Password="Manager"  
cn.Open"DBTYPE=0;DATABASE=ORANW81",Db_User,Db_Password  
insert Query="createuser"&UserID&"Identified By"&password  
Set RS=cn.Execute.(insertquery,Irec)  
cn.close
```

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Using eBusiness On NetWare

eBusiness is a wizard-based eCommerce application for creating and managing an online store on NetWare. We'll show you how to create such an online store using eBusiness in this documentation.

The Main Page

The main page allows you to:

- ♦ **Create a new Web Store**
- ♦ **Delete an existing Web Store**

You can access the main page by typing `http://<servername>/Ebiz/manager` in the browser location (for example: `http://blr-vibhor/Ebiz/manager/index.htm`).

Create a New Web Store

To create an online store:

- 1** On the main page, click Create a New Web Store.
- 2** Enter the new username and password and confirm your password.
NOTE: If the username already exists, the system requests you to enter a different username.
- 3** Click Next to proceed with the store creation, or click Reset to enter a new username and password.
- 4** Enter the new store name.

The URL for the store will be allocated based on this store name. For example: if the new store name is ShopOnline, the URL allocated for the

storefront is `http:// <servername>/Ebiz/ShopOnline` (with `http:// <servername>/Ebiz` being the default value).

IMPORTANT: White spaces and special characters are not allowed in the store name.

NOTE: If the store name already exists, the system requests you to enter a different store name.

- 5** Click Next to proceed with the store creation, or click Reset to try a different store name.

A screen with details about the store is then displayed.

- 6** Click Finish.

The system activates your online store and displays the login page for administering the store. At this point the store will not contain any products.

Delete an Existing Web Store

To delete an online store:

- 1** On the main page, click Delete an Existing Web Store.
- 2** Login using the system administrator's username and password.
- 3** From the drop-down list, select the online store that should be deleted.
- 4** Click Delete.

The system removes the store from the list.

Store Administration

As a store manager in the storefront management area, you can administer and populate the online store.

You can access the management area by typing the URL that was provided during the store's creation in the browser location. You can also access the management area by clicking the Finish button in the Store Creation screen. The login page for the store front management area is then displayed.

When you login to the storefront management area as an administrator, you can:

- ♦ [View an online store](#)

- ♦ Create, view and modify product catalog for the store
- ♦ Design the storefront area
- ♦ View order information
- ♦ View customer feedback

NOTE: If the username and the password do not match the values entered during the online store creation, you will not be granted access and "Invalid Username and password" will be displayed.

NOTE: If you try to access the administration functionalities without logging in to the store, the system will display the message "Insufficient rights to access the store".

View Online Store

To access the home page of the software online store:

- 1 In the left navigation bar, click View Store.

Catalog

Catalog allows you to:

- ♦ View all products
- ♦ Add a category
- ♦ Delete a category
- ♦ Add a sub category
- ♦ Delete a sub category
- ♦ Add a product
- ♦ Delete a product
- ♦ Update product quantity
- ♦ Upload product image

View All Products

To display a tabulated list of all products in the online store, click View All Products.

Add a Category

To add a category (such as software) to the catalogue:

- 1** In the left navigation bar, click Add a Category.
- 2** Enter the new category name and click Add Category.

NOTE: White spaces and special characters are not allowed in the category name.

NOTE: If the category already exists, the message "Category already exists" will be displayed.

The category is listed in the drop-down list of categories.

Delete a Category

To delete a category (such as books) from the catalogue:

- 1** In the left navigation bar, click Delete a Category.
- 2** Select the category name from the drop-down list.
- 3** Click Delete Category.

The category is removed from the drop-down list of categories.

Add a Subcategory

To add a subcategory (such as books) to the shareware in the catalogue:

- 1** In the left navigation bar, click Add a Subcategory.
- 2** Select the category from the drop-down list.
- 3** In the Subcategory to Add field, enter the new sub category name.

NOTE: White spaces and special characters are not allowed in the category name.

- 4** Click Add Subcategory.

The subcategory is listed in the drop-down list of subcategories for the specified category.

NOTE: If the subcategory already exists for the category shareware, "Subcategory already exists" will be displayed.

Delete a Sub Category

To delete the subcategory (such as products) from a category (such as software) in the catalogue:

- 1** In the left navigation bar, click Delete a Category.
- 2** Select the category and the subcategory from the respective drop-down lists.
- 3** Click Delete Subcategory.

The subcategory is removed from the drop-down list of subcategories.

Add a Product

To add a product (such as Java fundamentals) to the catalogue:

- 1** In the left navigation bar, click Add a Product.
- 2** Select the category (such as software) and the subcategory (such as books) from their respective drop-down lists.
- 3** Enter the new product name.
- 4** Enter the product description.
NOTE: Special characters are not allowed in the product description.
- 5** Select the product Image location path. If the image path is not known, click **Upload Image** to select the product image.
- 6** Click View Image to either view the uploaded image or delete it from the server.
- 7** Enter the price of the product in dollars.
- 8** Enter the available quantity of the product.
NOTE: If string values are entered in the price and quantity fields, "Price and quantity will be numeric only" will be displayed.
- 9** Click Add Product.

The product is added to the subcategory.

NOTE: If the product already exists, "The product already exists" will be displayed.

Delete a Product

To delete a product (such as Toy Story 2) from the catalogue:

- 1** In the left navigation bar, click Delete a Product.

2 Select the product from the drop-down list.

3 Click Delete Product.

The product is removed from the drop-down list.

Update Product Quantity

To update the quantity of a product:

1 In the left navigation bar, click Update Product Quantity.

2 Select the product (such as Java Fundamentals) from the drop-down list.

3 Enter the new quantity.

4 Click Update Product Quantity.

The quantity is updated and is added to the current quantity value.

Upload Product Image

To upload the product image for various products into the server work area:

1 In the left navigation bar, click Upload Product Image.

2 Enter the location of the file or click Browse to select the file location.

3 Click Upload.

The product image is listed in the drop down list.

Storefront Design

Storefront design allows you to provide or modify the following information that is displayed in the storefront:

- ♦ **Company logo**

- ♦ **Company information**

NOTE: This information includes the company name, address, telephone and fax numbers, email address, name and telephone number of the contact person related to support issues.

- ♦ **Advanced settings**

NOTE: This information includes fields related to the store, company, invoice and the store design.

Upload Company Logo

To upload the company logo (which is usually a graphics file) in the server work area:

- 1** In the left navigation bar, click Upload Company Logo.
- 2** Enter the location of the file or click Browse to select the file location.
- 3** Click Upload.

The company logo file is listed in the drop-down list.

Update Company Information

To update the company information for the online store:

- 1** In the left navigation bar, click Company Information.
- 2** Enter the company details.
NOTE: White spaces are not allowed in telephone and fax numbers.
- 3** Enter the store description.
- 4** To save the information in the database, click Submit.

Advanced Settings for Online Store

To modify the advanced settings for the online store and customize the settings:

- 1** In the left navigation bar, click Advanced Settings.
- 2** Enter the new Store Name that is to be displayed.
- 3** Enter the payment merchant ID, which can be obtained from the third-party payment server.
- 4** Enter the starting invoice number for the orders to be generated.
NOTE: The default for this value is one.
- 5** Select the color scheme for the online store.
- 6** Click Submit.

The web store is customized to your preferences.

Order Information

Viewing Order Information lets you:

- ♦ View all orders
- ♦ View today's orders
- ♦ View orders by date
- ♦ View orders by invoice number
- ♦ Update order status

View all Orders

To get the details of all the orders placed since the creation of the online store, click View All Orders in the left navigation bar.

View Today's Order

To get the details of all the orders placed on the current date, click View Today's Orders in the left navigation bar.

View Order by Date

To receive the details of all orders placed between two specific dates:

- 1** In the left navigation bar, click View Order by Date.
- 2** Select the start and the end dates.
- 3** Click Submit.

The orders placed between the two selected dates are displayed.

View Order by Invoice Number

To get the details of the order corresponding to a particular invoice number:

- 1** In the left navigation bar, click View Order by Invoice Number.
- 2** Select the invoice number from the drop-down list.
- 3** Click View.

The order corresponding to the selected invoice number is displayed.

Update Order Status

To update the transaction status of the order:

- 1** In the left navigation bar, click Update Order Status.

- 2** Select the invoice number of the order for which the transaction status is to be updated.
- 3** Select the transaction status as "processing," "dispatched," or "delivered."
- 4** Click Update.

The order status of the selected invoice number is updated.

Customer

To view the feedback given by the customers, click Customer Feedback in the left navigation bar.

Online Store

After the store has been updated, you can access the store using the URL provided during the store creation (such as <http://blr-vibhor\Ebiz\TestStore\index.htm>).

The home page of the store allows you to:

- ♦ Register as a user in the store
- ♦ Add items to the shopping cart
- ♦ View shopping cart
- ♦ Checkout
- ♦ Place orders and pay bills in test mode using a secure third party payment server.

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