

# DotNetNuke Portal Template

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## DotNetNuke Portal Template

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## DotNetNuke Portal Template

### Abstract

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# DotNetNuke Template Portal Creation

## Introduction

The creation of new portals is a process that can be tailored to suit the specific needs of each type of portal.

With this feature you can create a definition of a portal (called a template) that will be used upon the creation of the new portal.

This template can specify a number of properties for the new portal, including:

- ✧ Portal details: the properties that define the portal (skins, title, options...)
- ✧ Roles: roles that will be created by default on the new portal
- ✧ Tabs: you can define all the tabs the new portal will include and specify the properties of those tabs
- ✧ Modules: define for each tab all the modules that should be installed
- ✧ Content: the template can also include the content for modules that support new Import / Export capabilities

Of course, you can create a template that just creates a blank portal, with predefined options.

## Templates

A template is an XML with an extension of **.template** and should reside in the **Portals\\_default folder** of your DotNetNuke installation.

## DotNetNuke Portal Template

When a new portal is to be created you will be able to select one of the templates found in this folder to specify the characteristics of the portal.

There are two kinds of templates: *admin* templates and *portal* templates.

The **admin template** is unique and specifies the options that every portal should include in the Admin menu. This template is included in DotNetNuke as `admin.template`.

### Do NOT change this file

It contains required features for all portals. Modifying it you can made a portal unusable or limit its administration capabilities.

**Portal templates** are the files you can use to specify all the options the portals using them will have. Here is a sample template:

```
<portal version="3.0">
  <settings>
    <logfile></logfile>
    <footertext></footertext>
    <expirydate></expirydate>
    <userregistration></userregistration>
    <banneradvertising></banneradvertising>
    <currency></currency>
    <hostfee></hostfee>
    <hostspace></hostspace>
    <backgroundfile></backgroundfile>
    <paymentprocessor></paymentprocessor>
    <siteloghistory></siteloghistory>
    <defaultlanguage></defaultlanguage>
    <timezoneoffset></timezoneoffset>
    <skinsrc></skinsrc>
    <skinsrcadmin></skinsrcadmin>
    <containersrc></containersrc>
    <containersrcadmin></containersrcadmin>
  </settings>
  <roles>
    <role>
      <rolename></rolename>
      <description></description>
      <servicefee></servicefee>
      <billingperiod></billingperiod>
      <billingfrequency></billingfrequency>
      <trialfee></trialfee>
      <trialperiod></trialperiod>
      <trialfrequency></trialfrequency>
      <ispublic></ispublic>
      <autoassignment></autoassignment>
      <roletype></roletype>
    </role>
  </roles>
  <tabs>
    <tab>
```

## DotNetNuke Portal Template

```
<name></name>
<tabtype></tabtype>
<title></title>
<description></description>
<keywords></keywords>
<visible></visible>
<disabled></disabled>
<iconfile></iconfile>
<parent></parent>
<skinsrc></skinsrc>
<containersrc></containersrc>
<url></url>
<startdate></startdate>
<enddate></enddate>
<tabpermissions>
  <permission>
    <permissioncode></permissioncode>
    <permissionkey></permissionkey>
    <rolename></rolename>
    <allowaccess></allowaccess>
  </permission>
</tabpermissions>
<panes>
  <pane>
    <name></name>
    <modules>
      <module>
        <moduleID></moduleID>
        <title></title>
        <definition></definition>
        <alignment></alignment>
        <showtitle></showtitle>
        <alltabs></alltabs>
        <cachetime></cachetime>
        <visibility></visibility>
        <iconfile></iconfile>
        <color></color>
        <border></border>
        <header></header>
        <footer></footer>
        <startdate></startdate>
        <enddate></enddate>
        <containersrc></containersrc>
        <inheritviewpermissions></inheritviewpermissions>
        <displaytitle></displaytitle>
        <displayprint></displayprint>
        <displaysyndicate></displaysyndicate>
        <content type="" version=""></content>
        <modulepermissions>
          <permission>
            <permissioncode></permissioncode>
            <permissionkey></permissionkey>
            <rolename></rolename>
            <allowaccess></allowaccess>
          </permission>
        </modulepermissions>
      </module>
    </modules>
  </pane>
</panes>
</tab>
</tabs>
</folders>
```

## DotNetNuke Portal Template

```
<folder>
  <folderpath><folderpath/>
  <folderpermissions>
    <permission>
      <permissioncode></permissioncode>
      <permissionkey></permissionkey>
      <rolename></rolename>
      <allowaccess></allowaccess>
    </permission>
  </folderpermissions/>
  <files>
    <file>
      <filename> </filename>
      <extension> </extension>
      <size></size>
      <width></width>
      <height></height>
      <contenttype> </contenttype>
    </file>
  </files>
</folder>
</folders>
</portal>
```

*Sample portal.template*

(The definition of all this values can be found at the end of this document)

## Resource Files

Another common requirement when creating a portal is deploying specific files to the portal folder. For example a logo file, some accompanying documents, a predefined css style sheet, ...

You can define which files will be deployed to the portal folder by creating a compressed zip file including all required files. This file will be expanded to the portal folder and will respect the folder structure defined in the zip.

Each portal template can have its own accompanying resource file.

The resource should reside in the same folder as the template ( **Portals\\_default** ) and needs to have the same name as the template.

### **Please Note:**

For security reasons (so it cannot be downloaded), the zip file must have an extension of **.resources**.

Samples:

Template	Resource File	
portal1.template	portal1.template.resources	A portal template with corresponding resource file
portal2.template	(not existing)	A portal template without related resource file

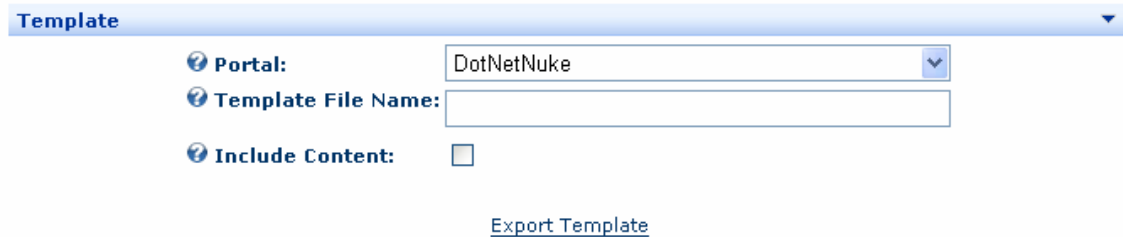
## How To Create a Template

To generate a template file for an existing portal, log in as the host user and go to the Portals tab under the Host menu.

You will be able to select the portal you want to export and give the template a name. There is also an option to include in the template the content of all modules in the portal. If a module does not support new Import / Export capabilities (through **IPortable** interface), its content will not be included in the template.

The template will be saved in the folder **Portals\\_default**.

Once the portal template is exported you can use this new template when creating new portals.



The screenshot shows a web form titled "Template" with a dropdown arrow on the right. It contains three fields:

- Portal:** A dropdown menu with "DotNetNuke" selected.
- Template File Name:** An empty text input field.
- Include Content:** A checkbox that is currently unchecked.

Below the fields is a blue button labeled "Export Template".

This document is used as a reference for the template syntax, but there is no need to create a template by hand using these specifications. The portal template generation will do all the work based on the current portal being used.

## Template Definition

### Notes:

- ❖ Xml processing is case sensitive
- ❖ A template file can have four main sections: **roles**, **settings**, **tabs** and **folders**
- ❖ The settings node specify the general properties for the portal and must be unique
- ❖ The roles node can have any number of **role** node
- ❖ The following keywords are reserved and cannot be used as role names:
  - **All Users**: refers to all users
  - **Unauthenticated Users**: refers to users not logged
- ❖ The tabs node can have any number of tab nodes
- ❖ To uniquely identify the parent tab you should specify the path from the root of the hierarchy using this syntax: **ParentTab/ChildTab/ChildTab**
- ❖ Example:
- ❖ To identify Tab2 as the parent for a given tab you should use the name:
- ❖ *HomeTab/Tab1/Tab2*

```
HomeTab
  LTab1
    LTab2
  LTab3
  LTab4
SecondTopTab
```

- ❖ The tab node can have a **panes** node which can include any number of **pane** nodes
- ❖ The pane node can have a **modules** node which can include any number of **module** nodes
- ❖ In the **module** nodes there is an optional **moduleID** node that can be used to give each module a unique identifier. This moduleID can be used to identify multiple modules in different tabs as instances (*tabmodules*) of the same module. If you want to include a given module in multiple places, give all module nodes the same moduleID and they will be considered instances of the same module.

## DotNetNuke Portal Template

### settings node

Element	Type	Sample	Description
logfile	string	logo.gif	Image file used as the portal logo
footertext	string	Copyright 2002-2004 DotNetNuke	Text displayed by the COPYRIGHT skin object
expirydate	dateTime	2004-10-01T00:00:00	Portal expiry date (ISO 8601 extended format: CCYY-MM-DDThh:mm:ss) See also <a href="http://www.w3.org/TR/xmlschema-2/#dateTime">http://www.w3.org/TR/xmlschema-2/#dateTime</a> If not defined in the template, the host demo period will be used.
userregistration	defined type	0	0-None 1-Private 2-Public 3-Verified
banneradvertising	defined type	0	0-None 1-Site 2-Host
currency	string	EUR	The Currency used on the site If not defined in the template, the host value will be used.
hostfee	double	0	Hosting Fee If not defined in the template, the host value will be used.
hostspace	integer	5	Disk Space in MB If not defined in the template, the host value will be used.
backgroundfile	string	background.gif	Body background image
paymentprocessor	string	PayPal	The Payment Processor used to handle payments on the site.
siteloghistory	integer	60	The number of days of site activity

## DotNetNuke Portal Template

Element	Type	Sample	Description
			that is kept for this site. Specify -1 to don't purge the site activity. If not defined in the template, the host value will be used.
defaultlanguage	string	en-US	The Default Language for the site. Defaults to en-US if not specified
timezoneoffset	integer	-8	The TimeZone for the location of the site. Relative to GMT
skinsrc	string	[G]Skins/DNN/Skin.ascx	Portal skin: skin file
skinsrcadmin	string	[G]Skins/DNN/Skin.ascx	Admin skin: skin file
containersrc	string	[G]Containers/Classic/container.ascx	Portal container: container file
containersrcadmin	string	[G]Containers/Classic/container.ascx	Admin container: container file

### roles node

Element	Type	Sample	Description
role			Defines the role properties

### role node

Element	Type	Sample	Description
rolename	string	Administrators	Role name
description	string	Portal administrators	Role description
servicefee	double	10	Role fee
billingperiod	integer	1	Billing period

## DotNetNuke Portal Template

Element	Type	Sample	Description
billingfrequency	string	M	Billing frequency D- Day M-Month N-None O-One-time Fee W-Week Y-Year
trialfee	double	0	Trial fee
trialperiod	integer	0	Trial period
trialfrequency	string	N	Trial frequency D- Day M-Month N-None O-One-time Fee W-Week Y-Year
ispublic	boolean	false	Is this Role a Public Role? false - true
autoassignment	boolean	false	Is this role automatically assigned to users? false - true
roletype	defined type	adminrole	adminrole - To specify the Portal Administrators role registeredrole - To specify the Registered Users role

The roles *Administrators* and *Registered Users* will be automatically created if not present in the template file.

## DotNetNuke Portal Template

### tabs node

Element	Type	Sample	Description
tab			Defines the tab properties

### tab node

Element	Type	Sample	Description
name	string	Home	Tab name
tabtype	defined type	hometab	Special tab: hometab - Home tab for the portal usertab - User tab for the portal logintab - Login tab for the portal
title	string	DotNetNuke	Tab title
description	string		Description about the tab
keywords	string		Tab keywords (used by search engines to help index the page)
visible	boolean	true	Tab visibility: true - false
disabled	boolean	false	true - false
iconfile	string		Icon used in the menu
parent	string		Parent tab (should be already created, defined previously in the template)
skinsrc	string	[G]Skins/DNN/Skin.ascx	Tab skin: skin file
containersrc	string	[G]Containers/Classic/container.ascx	Tab container: container file
url	string		Link url
startdate	dateTime	2004-10-01T00:00:00	Tab display start date (ISO 8601 extended format: CCYY-

## DotNetNuke Portal Template

Element	Type	Sample	Description
			MM-DDThh:mm:ss) See also <a href="http://www.w3.org/TR/xmlschema-2/#dateTime">http://www.w3.org/TR/xmlschema-2/#dateTime</a>
enddate	dateTime	2004-10-01T00:00:00	Tab display end date (ISO 8601 extended format: CCYY-MM-DDThh:mm:ss) See also <a href="http://www.w3.org/TR/xmlschema-2/#dateTime">http://www.w3.org/TR/xmlschema-2/#dateTime</a>
tabpermissions			Defines the permissions for the current tab
panes			Includes the panes and modules the tab should include

### tabpermissions node

Element	Type	Sample	Description
permission			Defines a permission for the tab

### permission node

Element	Type	Sample	Description
permissioncode	string	SYSTEM_TAB	Identifies the permission entity
permissionkey	string	EDIT	Identifies the permission type
rolename	string		Role to assign the permission
allowaccess	boolean		Allow or deny the permission

### panes node

Element	Type	Sample	Description
---------	------	--------	-------------

## DotNetNuke Portal Template

Element	Type	Sample	Description
pane			Defines a pane in the tab

### pane node

Element	Type	Sample	Description
name	string	ContentPane	Pane name
modules			Contains all the modules that should be installed in the current pane

### module node

Element	Type	Sample	Description
moduleID	integer		Module id
title	string	Welcome	Module title
definition	string	Text/HTML	Module definition
alignment	defined type	left	Alignment: left - right - center
showtitle	boolean	true	Show module title: true - false
alltabs	boolean	false	Show module in all tabs: true - false
cachetime	integer	0	Cache timeout (seconds)
visibility	defined type	Maximized	Module visibility: -Maximized -Minimized -None
iconfile	string		Icon file

## DotNetNuke Portal Template

Element	Type	Sample	Description
color	string		Module background color
border	string		Module border
header	string		Header text
footer	string		Footer text
startdate	dateTime	2004-10-01T00:00:00	Module display start date (ISO 8601 extended format: CCYY-MM-DDThh:mm:ss) See also <a href="http://www.w3.org/TR/xmlschema-2/#dateTime">http://www.w3.org/TR/xmlschema-2/#dateTime</a>
enddate	dateTime	2004-10-01T00:00:00	Module display end date (ISO 8601 extended format: CCYY-MM-DDThh:mm:ss) See also <a href="http://www.w3.org/TR/xmlschema-2/#dateTime">http://www.w3.org/TR/xmlschema-2/#dateTime</a>
containersrc	string	[G]Containers/Classic/container.ascx	Module container: container file
inheritviewpermissions	boolean		Should this module inherit view permissions from the container tab?
displaytitle	boolean		Display container
displayprint	boolean		Allow printing
displaysyndicate	boolean		Allow syndication
content			Module content
modulepermissions			Defines the permissions for the current module

## DotNetNuke Portal Template

### modulepermissions node

Element	Type	Sample	Description
permission			Defines a permission for the module

### folders node

Element	Type	Sample	Description
folder			Defines the properties for a folder

### folder node

Element	Type	Sample	Description
folderpath	string		Relative path for folder from portal home directory
folderpermissions			Defines the permissions for the current folder

### folderpermissions node

Element	Type	Sample	Description
permission			Defines a permission for the folder

### files node

Element	Type	Sample	Description
file			Information for files contained in folder

### file node

Element	Type	Sample	Description
filename	string	logo.jpg	File name

**DotNetNuke Portal Template**

Element	Type	Sample	Description
extension	string	jpg	File extension
size	string	10000	File size in bytes
width	string	100	Image width (only for image files)
height	string	50	Image height (only for image files)
contenttype	string	image/jpg	File MIME content specification

## Additional Information

The DotNetNuke Portal Application Framework is constantly being revised and improved. To ensure that you have the most recent version of the software and this document, please visit the DotNetNuke website at:

<http://www.dotnetnuke.com>

The following additional websites provide helpful information about technologies and concepts related to DotNetNuke:

### **DotNetNuke Community Forums**

<http://www.dotnetnuke.com/tabid/795/Default.aspx>

### **Microsoft® ASP.Net**

<http://www.asp.net>

### **Open Source**

<http://www.opensource.org/>

### **W3C Cascading Style Sheets, level 1**

<http://www.w3.org/TR/CSS1>

## Errors and Omissions

If you discover any errors or omissions in this document, please email [marketing@dotnetnuke.com](mailto:marketing@dotnetnuke.com). Please provide the title of the document, the page number of the error and the corrected content along with any additional information that will help us in correcting the error.

## Appendix A: Document History

Version	Last Update	Author(s)	Changes
1.0.0	Aug 16, 2005	Shaun Walker	<ul style="list-style-type: none"><li>Applied new template</li></ul>