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Small Business Template

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SMALL BUSINESS TEMPLATE

By

Michael Totleben

B.S., Illinois State University 2010

PROJECT

Submitted in partial fulfillment of the requirements

For the Degree Master of Computer Science,
With a Major in Computer Science

Governors State University
University Park, IL 60484

2013

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Abstract:

This document contains instructions on how to create a template for a small business website using a content management system called Orchard, ecommerce software called Magelia, all running on a Windows Azure cloud instance (or locally/other). Since Orchard is not commonly used, documentation

for its setup, which is a custom configuration, is put in a step-by- step manner. Many times the standard is first show how to perform the task first view example then just give the technically spec for further operations of the same type. The documentation for Magelia, however, is already fabricated extensively and will be linked to when needed. The overall object of this documentation is to create and implement a dynamic, easy-to-use site for a small business.

Project Requirements:

The idea is to create a website that uses Orchard 1.7 in an ASP.NET environment. It will use web hosting and be online via Windows Azure cloud. The idea is to create a site that would fit the needs of a typical web-based small business that once configured would be easy to use. The site will have:

- Users and User Groups
- Security
- A Forum
- Host Videos
- Host Pictures
- Have an MSSQL Database backend
- A store

In the initial requirements a master page and email support was listed. However, due to the fact that Orchard does not use a master page (it fulfills a similar function with “layers” to be described later) and Windows Azure does not support email hosting so email hosting was removed.

1. What is Orchard?

Orchard is an ASP.NET based open source content management system. A content management system is a tool used to create websites using primarily a GUI and often implements modules to expand or improve its core functionality. Orchard itself is a series of ASP.NET MVC projects combined together that use a database with a schema defined by migrations. This means the database is not strictly hierarchal or has a set schema since each module can add its own tables to the database. This also means virtually all content items are stored in the database (except media files) meaning pages are not actually web pages but a series items referenced in the database. NOTE: That Orchard is constantly upgrading and changing its source code, so always make sure modules or functions are compatible with the next upgrade is compatible with the currently implemented modules.

1.1 Orchard Terminology:

It is important to understand the basic terminology when dealing with a CMS. An Orchard site is essentially a collection of content parts working together to form the UI, run queries, show images, create content etc. Here are some general terms commonly used in Orchard.

Content Item:

A content item is an individual object in orchard. An example of this would be a page.

Content Field:

A content field is information that can be added to a content type. Such examples would include a taxonomy field, creation date or tags.

Content Part:

A content part is an individual piece of a content Item. An example of this would be a text field or comment area on a page.

Content Type:

A content type is the classification of the object. A content item is an instance of content type.

Index:

The index in Orchard is a site-wide catalog of information of every content item type marked for indexing. It updates periodically so new content that has a content type that is set to searchable in the index can be searched.

Layer:

A Layer is a set of widgets that apply to a particular page or series of pages. A layer for image gallery pages would be set to all pages named under the image gallery standard url.

Menu:

A menu is a panel of buttons used for navigation. There are two types of menus primarily used in this site; static menus in which content items are assigned manually or dynamic menus which are populated by an injected taxonomy.

Module:

A module is essentially an ASP.NET MVC 3 project that typically contains a certain directed function. Orchard is made up from a series of these, particularly the core modules. Modules can be added on for additional functionality. For instance, a module having to do with Open Authentication provide the code needed to perform logins with twitter or Facebook with little coding required.

Taxonomy:

A Taxonomy is a classification system typical used in this application for dynamic menu types. A site typically has one active taxonomy at a time and can be used for structured queries and general organization.

Theme:

A theme is the sites overall layout that defines the locations of the zones which in turn widgets can be placed.

Widget:

A widget is something that can be added to the page or equivalent. Examples of widgets are menus and search fields. Widgets can be placed in zones on particular layer or multiple layers depending upon the layer rules.

Zone:

A zone is a particularly spot in a theme that a widget can be placed. Zones are the same on every layer of a theme but anything occupying a zone only appears on its assigned layer.

2. What is Magelia Web Store?

Magelia Web Store is a self-contained web store platform useful for managing inventory, orders and products. It is normally can be used standalone but in this case it will be the backend for store management and will be connected to Orchard which will act as the display end and which adds additional functionality that a business site might use.

3. What is Windows Azure?

Windows Azure is cloud based software as a service that is excellent for handling the needs of almost any size business. It has a wide range of services ranging from basic web hosting, creating a virtual private network in the cloud, database hosting, virtual machines, binary large object storage, Active Directory functionality and more. One of its biggest advantages is it is accessible via a web that simplifies deployment and so a user typically only has to deal with one main interface to see and monitor their used services. It also has tools for building web sites with windows web matrix and MSSQL server connectivity making working on the cloud relatively comfortable as developing locally. It can setup and link large portions of these services with one click helping ease the usually many of the externalities of deployment. It also has the ability to increase usage on demand. So instead of having to buy more hardware when demand increases a user can simple add a service at will have it functional relatively quickly.

4. Setup:

This portion of the document explains how to setup with two options for the template site. The first one requires Windows Azure, Orchard v 1.7.1 and Magalia Web Store version 2.4 or higher. The second option is a local setup which has similar requirements but without the Azure aspect and uses the portions of the azure section to supplement it.

4.1 Windows Azure Setup:

The first thing that needs to be done is to create a Windows Azure account. A thirty day free trial is available for those wishing to test it.

Once you are logged in you will see the primary dashboard:

The screenshot shows the Windows Azure portal interface. At the top, there is a header with 'Windows Azure', a 'CREDIT STATUS' indicator, and a user profile for 'gtotle1@gmail.com'. On the left, a navigation pane lists various service categories: ALL ITEMS, WEB SITES, VIRTUAL MACHINES, MOBILE SERVICES, CLOUD SERVICES, SQL DATABASES, STORAGE, HDINSIGHT, MEDIA SERVICES, SERVICE BUS, VISUAL STUDIO ONLINE, BIZTALK SERVICES, and NETWORKS. The main area displays 'all items' with a table of resources. The table has columns for NAME, TYPE, STATUS, SUBSCRIPTION, and LOCATION. One resource is listed: 'Default Directory' with a status of 'Active' and location 'United States'. At the bottom, there is a '+ NEW' button and a notification icon showing '1'.

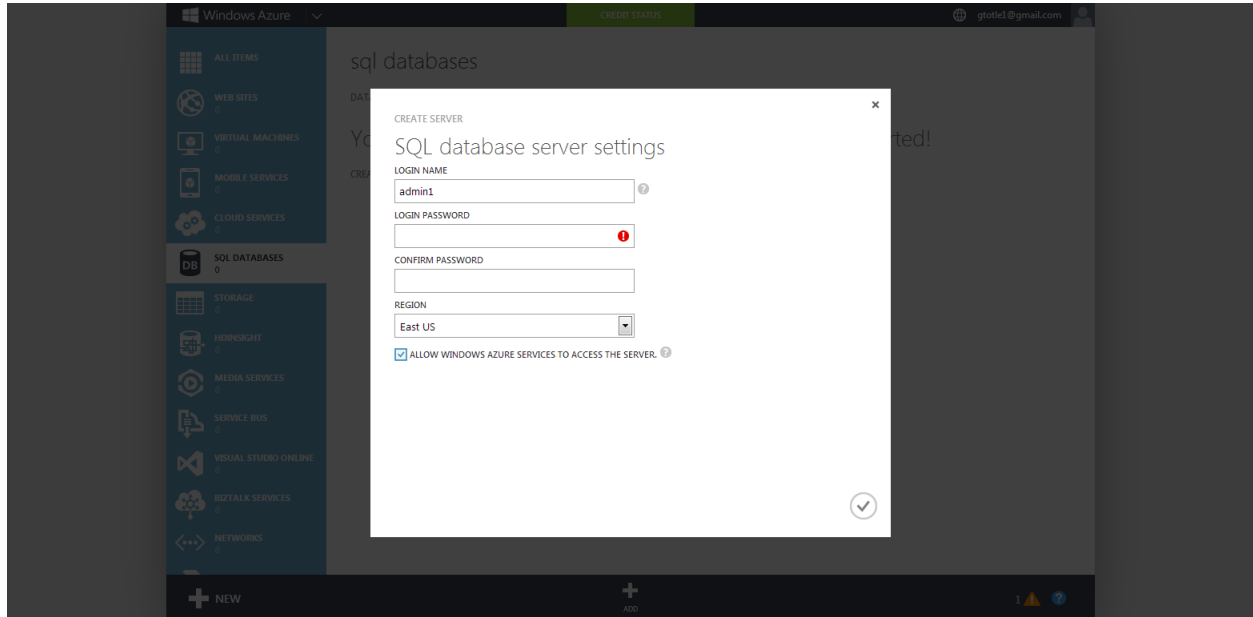
NAME	TYPE	STATUS	SUBSCRIPTION	LOCATION
Default Directory	Directory	Active	Shared by all Default DL...	United States

4.1.1 Database Servers:

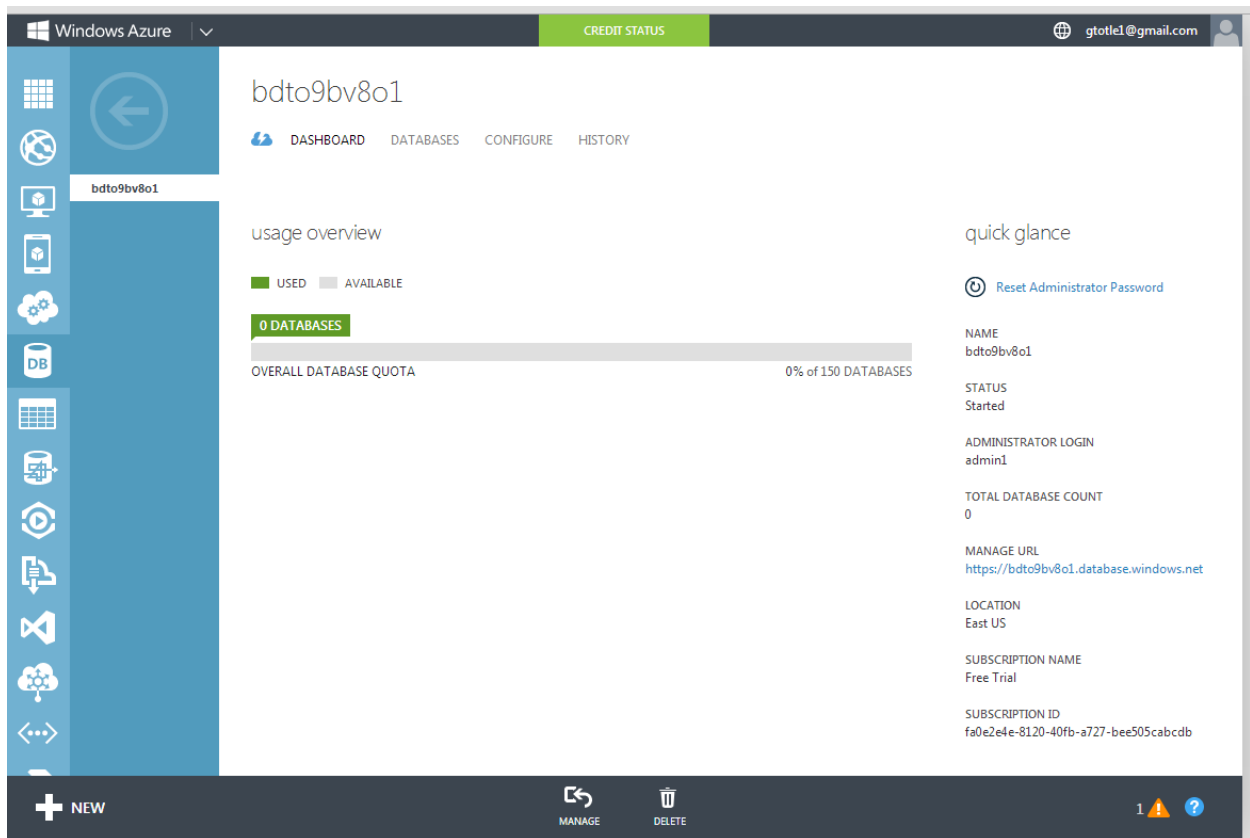
First setup the database servers and then the MSSQL Azure databases. Two database servers are recommended for the business template site; one for orchard and one for Magelia Web Store. Note that this setup here must be done for each the Orchard and Magelia sites preferable with each site having its own database server and database. The created databases will be blank due the fact that Orchard and Magelia use Migrations to populate their databases on their instantiation.

First, go to The SQL database tab on the right.

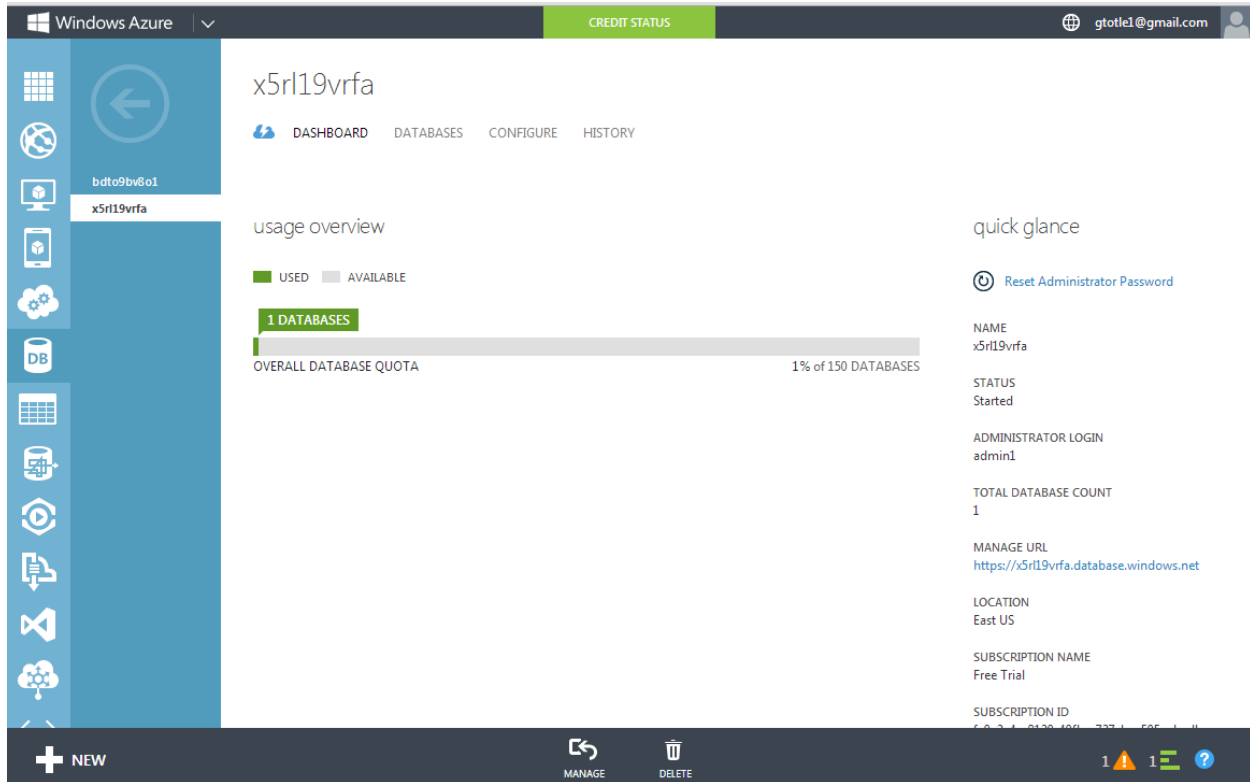
Then in the top center there will be a “servers” tab. Click it and create new.



Make sure that the box to allow to Azure services to access the server is checked. The servers will be linked to the websites later. For the purpose of this document, the user name for Azure services will be Admin1. Make sure to store your password info although it is changeable via the Azure dashboard. Also, choose the region closets to what represents your location.



Once the server is created, notice that it is selectable in the sub tab. Above in the top menu choose databases and create. Under “Settings” choose “Web” for database type which has a limit of 1 gig. The name for this database will be Orchard or Magelia, depending on for which site you are setting up the database.



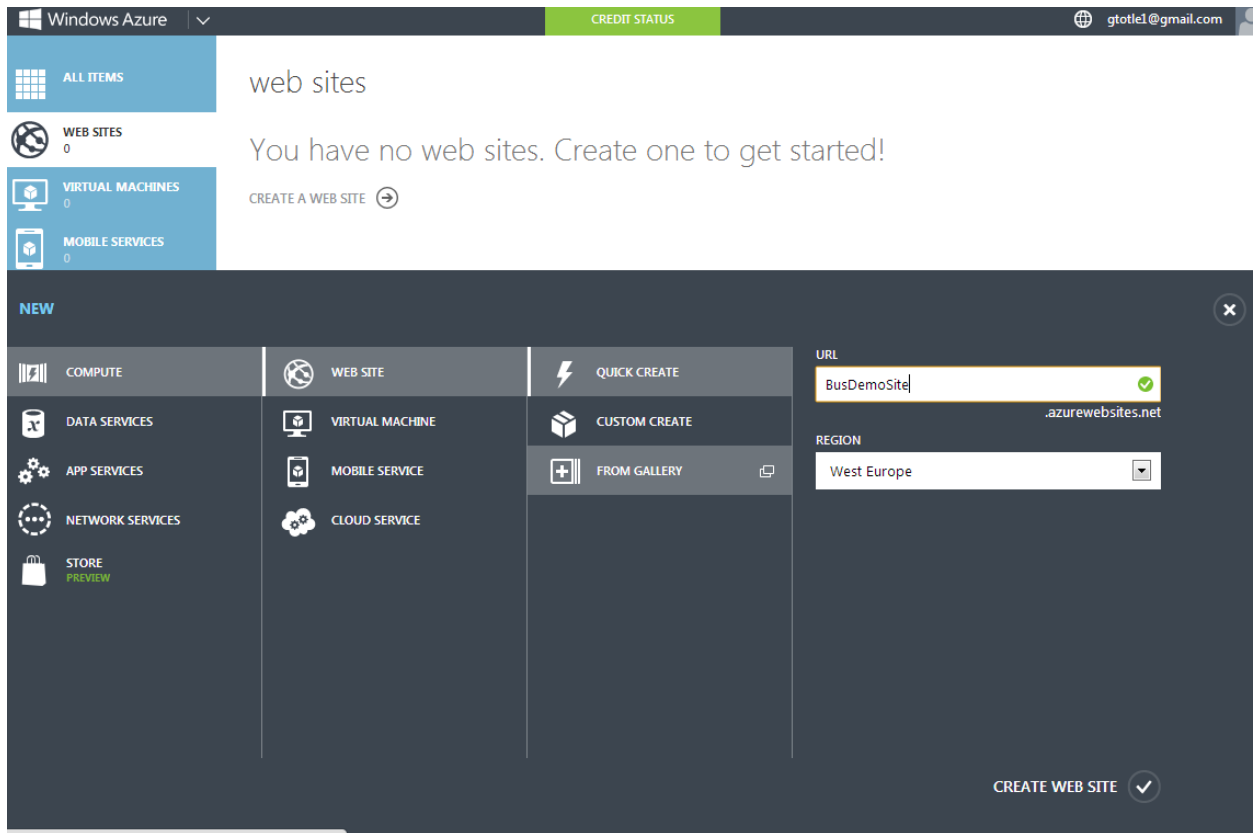
When finished there should be two database servers each with a corresponding empty database.

4.1.2 Website Setup:

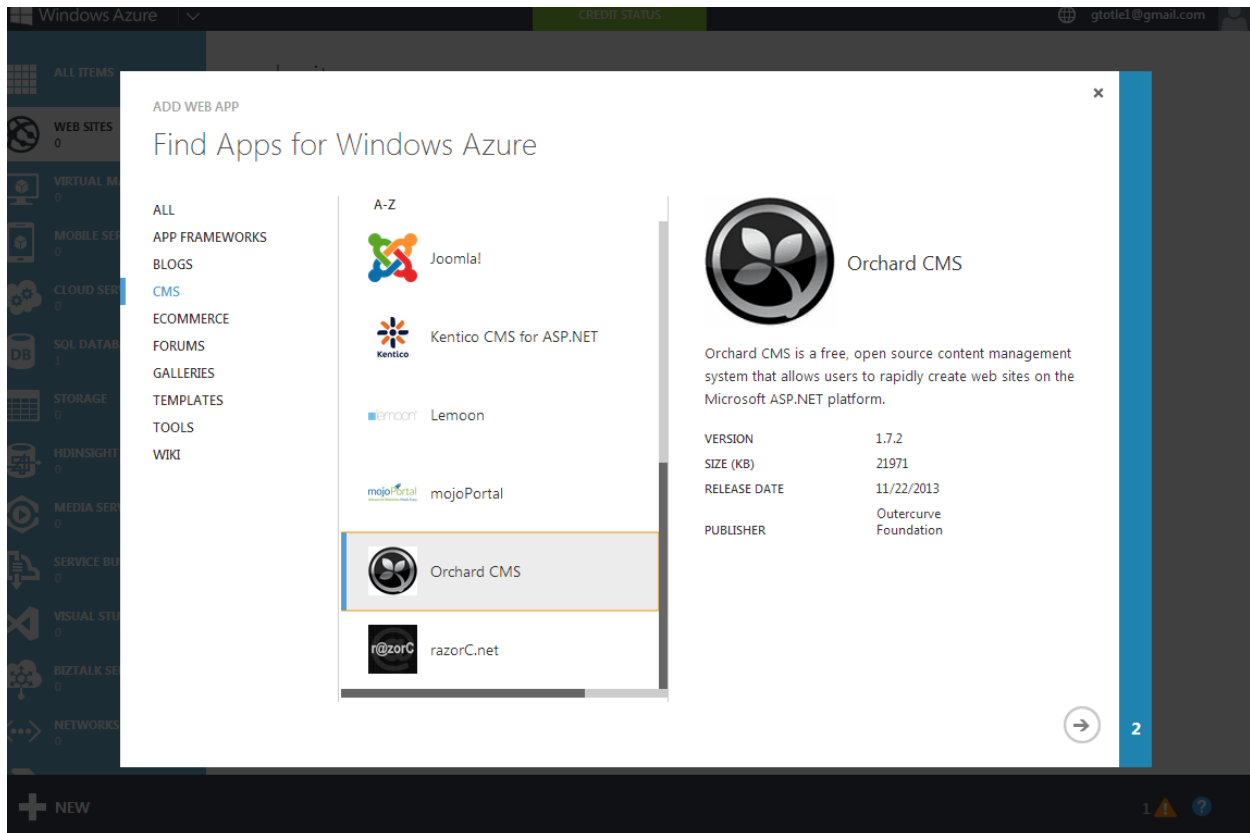
There are 2 websites that need to be setup; the Orchard website and the Magelia dashboard. The Orchard website is the front end of the application that will be viewed by both the administrator and the normal users while the Magelia dashboard is the backend site only to be viewed by the administrator.

4.1.3.1 Orchard Setup:

There are two ways to install orchard. The first is through the App Gallery in Windows Azure. The second is to download the zip file from <https://orchard.codeplex.com/releases/view/115110>. 1.7.1 is preferred. NOTE: If the App Gallery version is 1.8 or above it will not work due to the shift in code. So the user will have will have to download the zip file from the link above and migrate the files manually. If that must be done the first steps and Magelia installation will show how to do it.



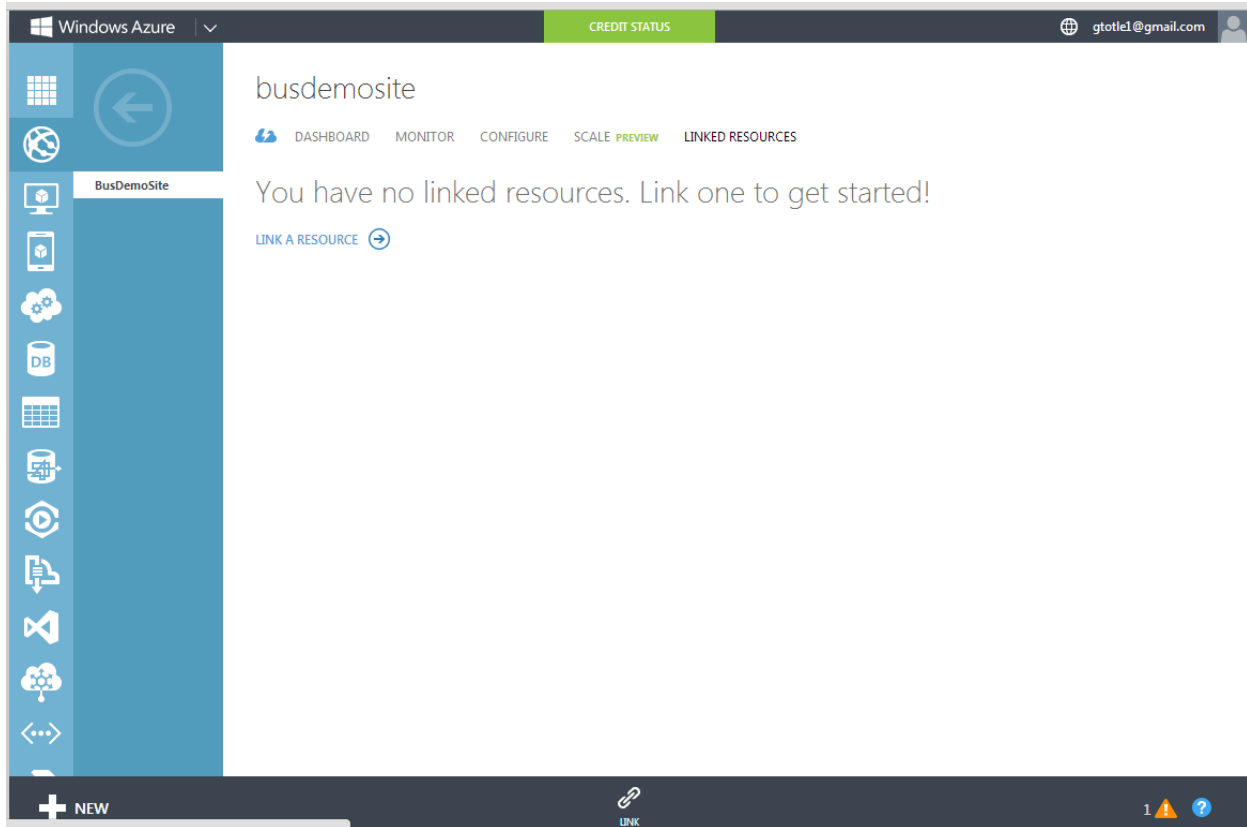
For this example the name of the site will be BusDemoSite. Each site in the Azure Cloud has to have a unique URL so you will have to use a different one. Also the make sure the region is the same as your database servers, i.e. East USA in this example.



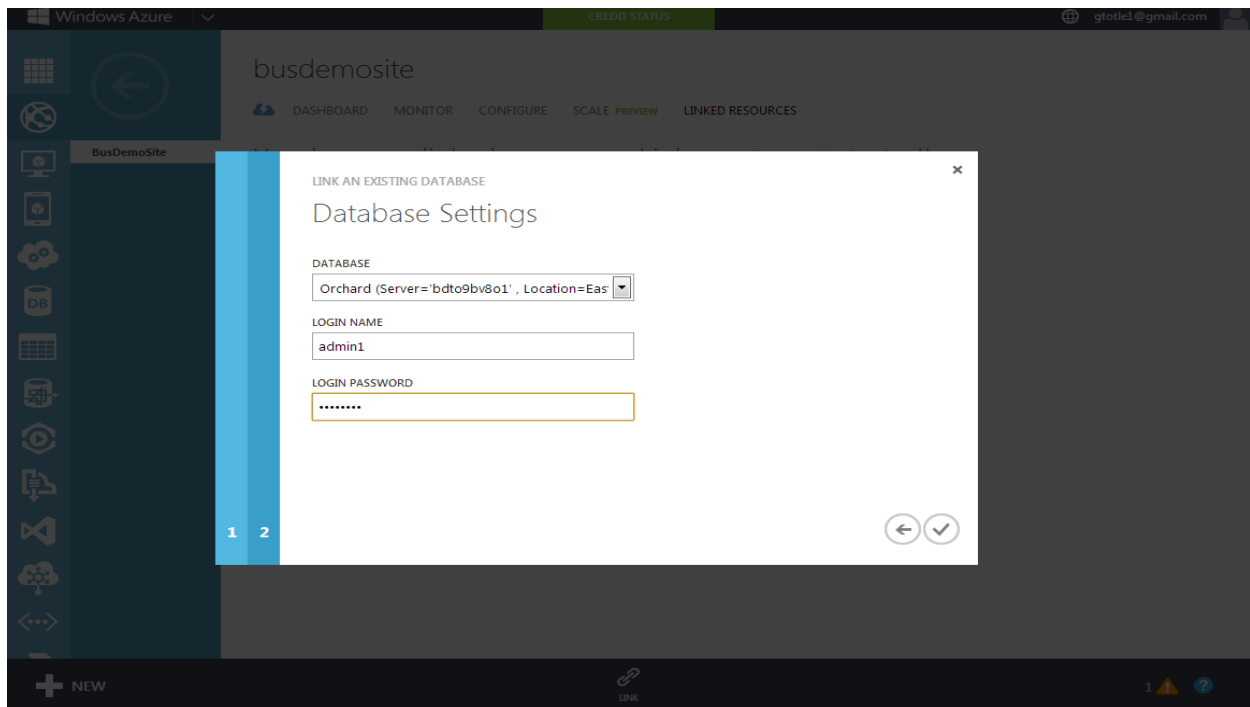
Select Orchard under the CMS menu and hit the left arrow to continue. It may ask you again to define the name of the site, url and region. Just re-enter the data you put in the previous step if this is necessary.

If you need to download the source code because orchard is no longer in 1.7.1 refer to steps in the Magelia site setup in the next section then until the site is launched, then refer back to here.

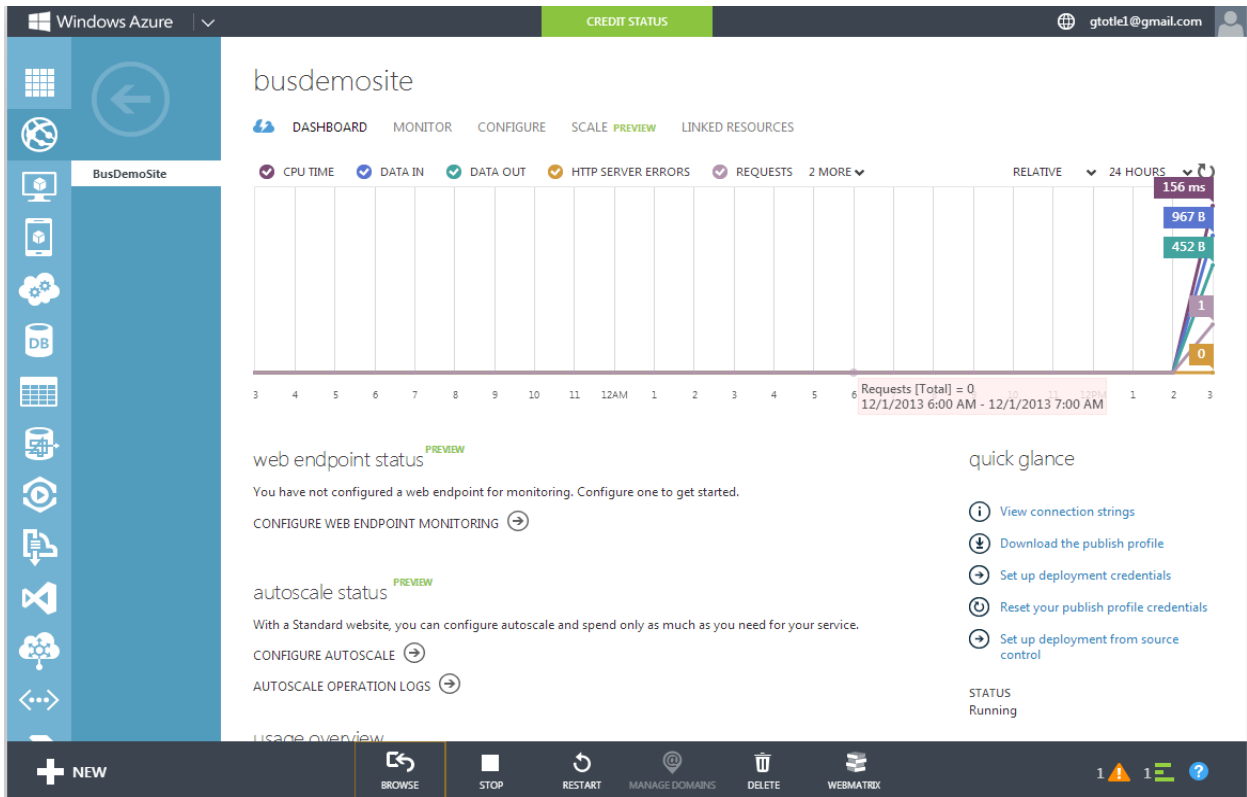
Next, click on the website that was just created and in the above menu click “linked resources”. Then click the arrow button to link a resource.



Once that has been clicked a dialogue box will appear asking to link which resources. Choose existing resources, SQL Server, then choose the Orchard Database from the server created for this purpose.(or Magelia if you are doing this for the Magelia site)



Then it should show that the resources have been successfully linked. Click over to the dashboard page via the top menu. Note that on the next screen you will need a connection string to the appropriate database which can be found one the dashboard on the bottom right under “quick glance” connection strings. Finally, hit browse at the bottom of the screen to launch the web browser and the initial site setup.



Once the web browser has been launched there will be a few fields to fill in:



Get Started

Please answer a few questions to configure your site.

What is the name of your site?

Choose a user name:

Choose a password:

Confirm the password:

How would you like to store your data?

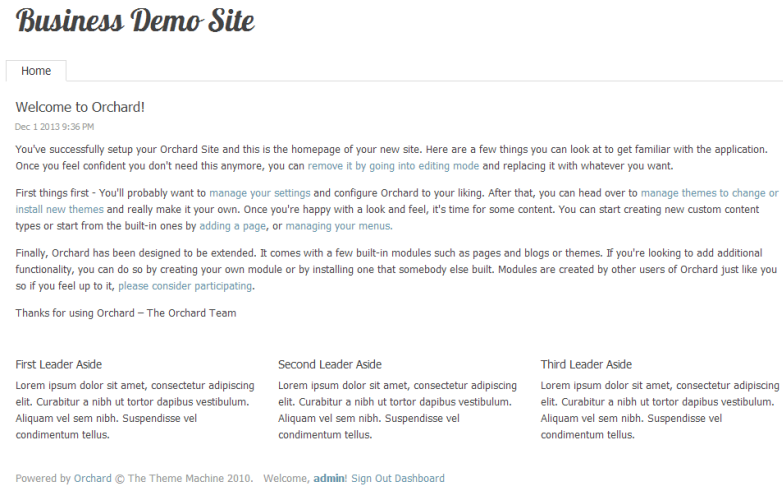
- Use built-in data storage (SQL Server Compact)
- Use an existing SQL Server, SQL Express database
- Use an existing MySQL database

Connection string

Data Source=sqlServerName;Initial_Catalog=dbName;Persist Security Info=True;User ID=username;Password=password

The site can be named anything, same with the user default name and password. However, "use an existing SQL server" must be selected and the connection string can be found on the dashboard and pasted in the field below. No table prefixes are required and the Orchard default recipe should be selected. (Lower on the page outside the screen shot). Then click "Finish Setup".

You should end up with up with a page similar to the one below, this concludes the orchard portion of the Azure setup. For calibrating orchard itself, see the Configuring Orchard section.



4.1.3.2 Magelia Webstore Setup:

This portion of the document is for setting up the Magelia Dashboard backend that will be viewed by the administrator to manage the commerce portion of the site. If no commerce portion is required than this step can be skipped. Make sure Web Matrix is downloaded because it will be specifically required for this step.

First download the Magelia source code from

<http://www.magelia.org/store/license.aspx?edition=community>

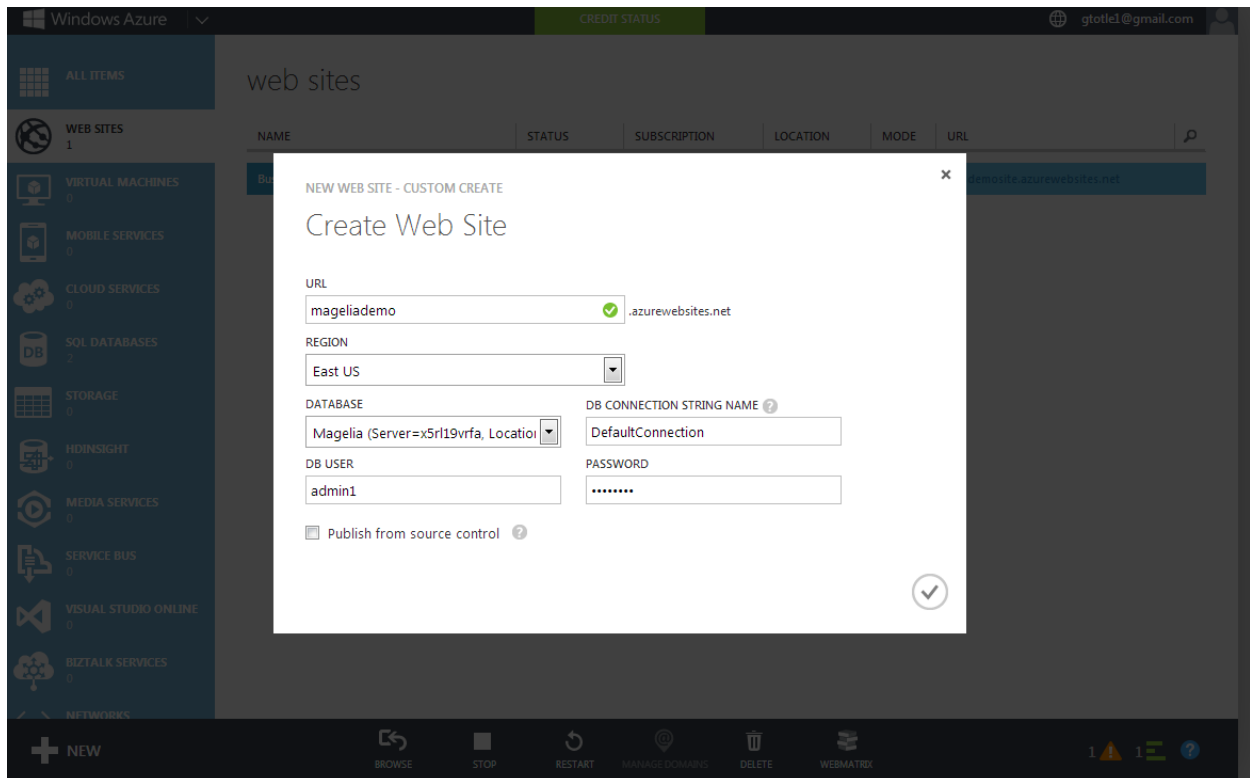
Then create a new site for the Magelia dashboard. In this instance its MageliaDemo.

The screenshot shows the Azure portal interface. At the top, there's a navigation bar with 'Windows Azure', 'CREDIT STATUS', and a user profile 'gtotie1@gmail.com'. Below this is a sidebar with 'ALL ITEMS', 'WEB SITES 1', and 'VIRTUAL MACHINES 0'. The main area displays a table of web sites:

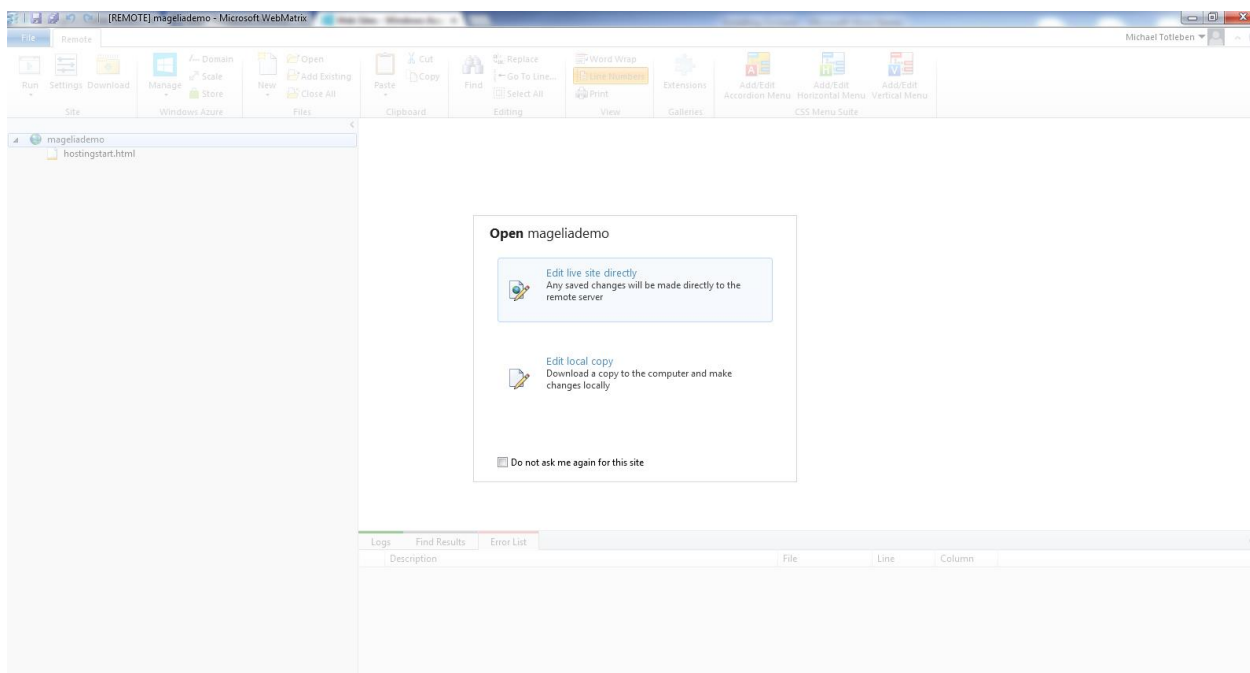
NAME	STATUS	SUBSCRIPTION	LOCATION	MODE	URL
BusDemoSite	Running	Free Trial	East US	Free	busdemosite.azurewebsites.net

Below the table is a 'NEW' panel with a grid of service categories: COMPUTE, DATA SERVICES, APP SERVICES, NETWORK SERVICES, STORE PREVIEW, WEB SITE, VIRTUAL MACHINE, MOBILE SERVICE, and CLOUD SERVICE. The 'WEB SITE' category is selected, showing options: QUICK CREATE, CUSTOM CREATE, and FROM GALLERY. A text box on the right says: 'Create a web site with additional options, such as a new or existing database, or with continuous deployment from source control.'

The fields required are a bit different to be filled in. Here is an example of what it should look like, notice the database name and the server as well the location. The admin name and password for the database server are also required.

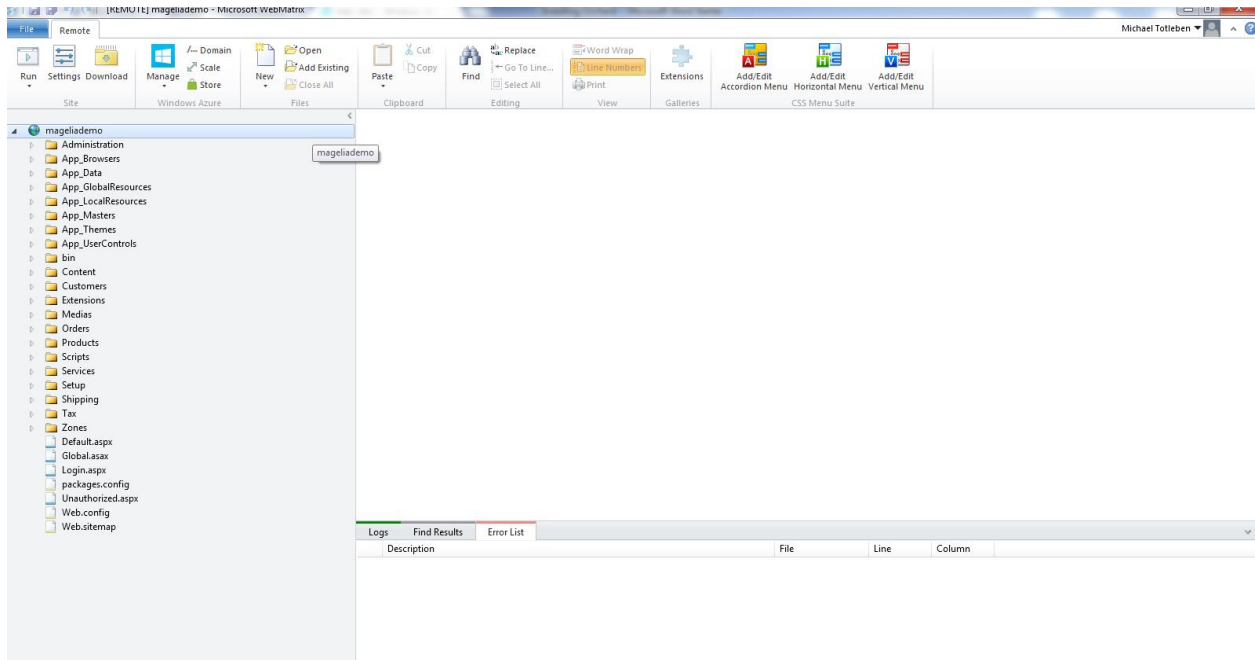


Once the site is created, select it and launch web matrix found at the bottom of the screen. This is what should come up.



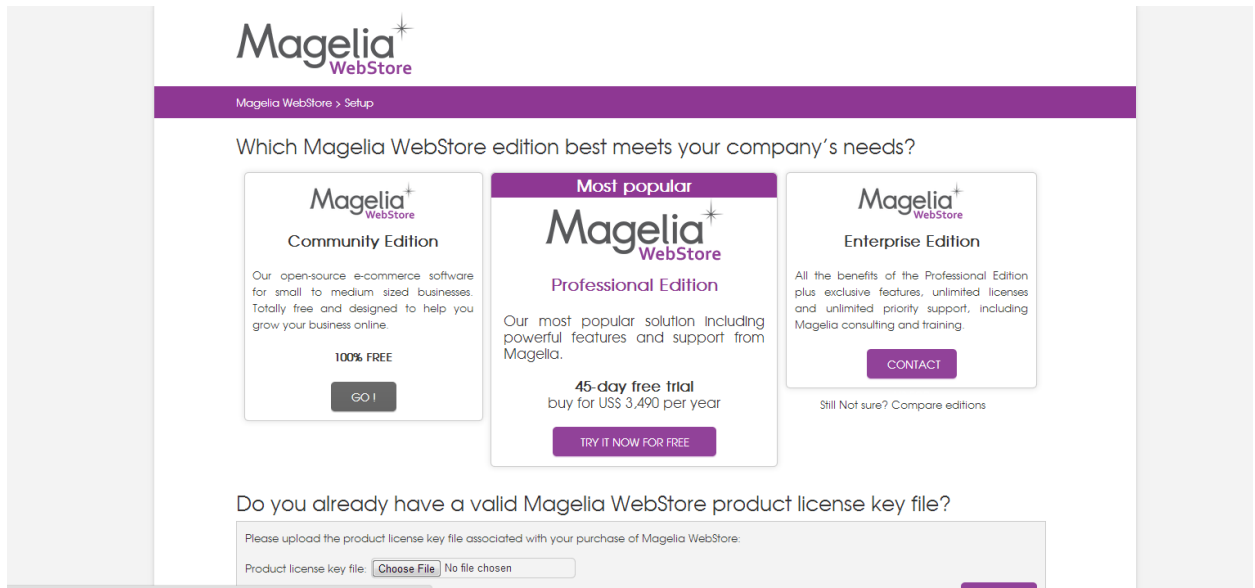
Choose Edit live site directly and delete 'hostingstart.html'

Find the Magelia zip folder and extract it to easy to find location. Then select copy all the files and folders within the Magelia folder (but not the actual folder itself) and drag and drop them on the world shaped mageliadem0.(or whatever your sites name is) This should take a few minutes to perhaps even a half hour or more depending on the connection being used. The end result should look like this:



Then click run in the top left hand side of web matrix. This may take a few minutes to initially load.

A Screen should come up with the Magelia Logo in which it should show three options; choose Community edition(which is free) on the left side of the page.



The next screen you will be prompted to create a Magelia account which is free. Do so and then login or just login if you already had made an account in the past. Remember to store your password.

Next the store configuration must be filled out. The customers will not be able to see company name or store name but it is good to name them anyway for your own reference. Under store parameters chose “Sample Catalogs and parameters” to get basic warehouse and shipping data already configured. NOTE: that in this demo sample customers and orders will be checked for demonstration purposes. Then hit next.

The screenshot displays the 'Store Configuration' page for Magelia WebStore. The page is divided into several sections:

- Store Configuration:** Includes input fields for 'Company name' (filled with 'BusDemo') and 'Store name' (filled with 'DemoStore'). Below these are two checked checkboxes: 'I accept Magelia WebStore terms and condition' and 'I accept to provide navigation information to Magelia'.
- Store parameters and data:** Features three radio button options: 'Basic configuration', 'Sample catalogs and parameters' (which is selected), and 'Blank Magelia WebStore configuration'. Under the selected option, there is a 'Dataset to use' dropdown menu set to 'Community Edition - US Demo Store' and an unchecked checkbox for 'Install sample customers and orders (undeletable)'.
- Advanced settings:** A dropdown menu currently showing a downward arrow.
- Navigation:** 'BACK' and 'NEXT STEP' buttons are located at the bottom right of the main form area.
- Help sidebar:** Contains three informational sections: 'Sample data' (with an 'i' icon), 'Navigation information' (with a '▲' icon), and 'Install Magelia WebStore' (with an 'i' icon). The 'Install' section lists two options: 'Basic WebStore configuration' and 'Sample catalogs and settings'.

The next screen is merely asks for your email and password along with an administrator name default of which is admin. Enter your password(make sure to keep it somewhere so you wont forget) and email you would want Magelia to send messages to, ie a business email.

On the next screen the database must be formally connected to the site application side. Make sure to uncheck sql express auto attack database and to select “use an existing blank database”. If you named your blank Magelia database Magelia fill that in for the database name. Since the database was not configured the Database administration credentials and the database access credentials should be the

same by default(both for look almost the same, second form is truncated by screen shot.)

Database settings

Database 'Magelia' exists.

SQL Server name
Please enter the name of the SQL Server where you would like to install WebStore.
SQL Server name or IP: *

Use SQL Express auto-attach database

Existing or new database

Create a new database
 Use an existing blank database (new installation)
 Upgrade or migrate an existing database

Database name: *

Database administration credentials

Windows authentication mode
 SQL Server account

Username: *
Password: *

Database access credentials

Indicate the account that will be used by Magelia WebStore to access the database. If the account does not exist, it will be created.

Quick & easy = check SQL Express auto-attach database
For quick and easy installation, simply check the box "SQL Express auto-attach database." A new database will be created in the App_Data folder.

Database administration credentials
Specify the account that will be used to create the database. If you wish to create a new database, your account must be enabled to do so. If you choose to use an existing blank database, your account must be the owner of this database.

The log-in information used will not be stored in the system once the setup process is complete.

Database access credentials
Specify the account that will be used by Magelia WebStore to access the database. If you choose Windows authentication mode, the user currently running the setup (*\\\$APPPool\mageliademo*) will be given the right to access the Magelia WebStore database. If you choose SQL Server account mode, a new SQL account will be created if it does not already exist with

To get the SQL Server simply go back to the Magelia Database under the database tab and toward the bottom . Its advisable on the magelia screen to test the database connection to make sure it is working correctly. If the passwords or access names are incorrect you can click on the server tab(as shown in the database set up) to modify this.

The screenshot shows the Windows Azure portal interface. At the top, there's a navigation bar with 'Windows Azure' on the left, 'CREDIT STATUS' in the center, and a user profile 'gtotle1@gmail.com' on the right. A left-hand navigation pane contains various icons for services like Orchard and Magelia. The main content area is titled 'magelia' and includes a 'DASHBOARD' tab. A large banner at the top right says 'You created a new SQL database' and offers options to skip the Quick Start. Below this, there are three main sections: 'Get Microsoft database design tools', 'Design your SQL database', and 'Connect to your database'. The 'Connect to your database' section shows a server address: 'Server: x5r119vrfa.database.windows.net,1433'. At the bottom, there are 'NEW', 'EXPORT', and 'MANAGE' buttons, along with notification icons.

Once you entered all the data and hit continue setup it may take up to 30 minutes or more for the sight to build depending on the connection but when it is finished the view of the dashboard should be similar to this:

The screenshot displays a business dashboard with a purple header. The header contains navigation tabs: 'DASHBOARDS', 'PRODUCTS', 'CONTENT', 'TAX AND SHIPPING', 'SELLERS - STORES', and 'PLATFORM SETTINGS'. The main content area is titled 'Dashboard' and includes a 'HELP' icon. On the left, there's a 'Sales graph' section with filters for 'Period' (Last 30 days), 'Currency' (USD - United States dollar), and 'Order status' (New, Approved, Order in process, Canceled, Rejected, Further inquiry required, Payment due, On hold, Shipped). Below the filters is a bar chart showing sales over time. On the right, there's a 'Last orders' section with a filter for 'Order status' (New, Approved, Order in process, Canceled, Rejected, Further inquiry required, Payment due, On hold, Shipped). Below the filter is a table of orders with columns for '#', 'Status', 'Date', 'Total including discount', 'Total including discount and taxes', and 'Action'. The table shows 6 records, with the first one being order #1000, status 'New', dated 12/3/2013 2:52:02 AM, with a total of \$3,201.60. At the bottom right, there's a 'feedback' icon.

4.2 Local Setup:

To setup the site locally one first needs to download Windows Web matrix from <http://www.microsoft.com/web/webmatrix/>. You can download orchard via the app gallery in Web Matrix or download the source code at from <https://orchard.codeplex.com/releases/view/115110>. NOTE: Gallery version is 1.8 or above it will not work due to the shift in code. Parts of this installation are very similar to the Azure installation neglecting the Azure linking database to site. Then, download the Magelia source code from <http://www.magelia.org/store/license.aspx?edition=community> and drag and drop the top (but not the zip folder) into Web Matrix.

4.2.1 Database Servers:

Depending upon the need of the user during the Orchard and Magalia setup you have a choice of choosing a compact server or MSSQL Server depending on the needs of the user(as shown on page 14 for Orchard and page 20 Magelia will work.) The rest disregarding the Azure references will show the appropriate choices for installation. For the MSSQL server merely create empty databases named Orchard and Magalia respectively and use the connection strings for those similar to the azure setup above.

5. Configuring Orchard:

This section shows a user how to configure Orchard from a fresh install as described earlier in the documentation.

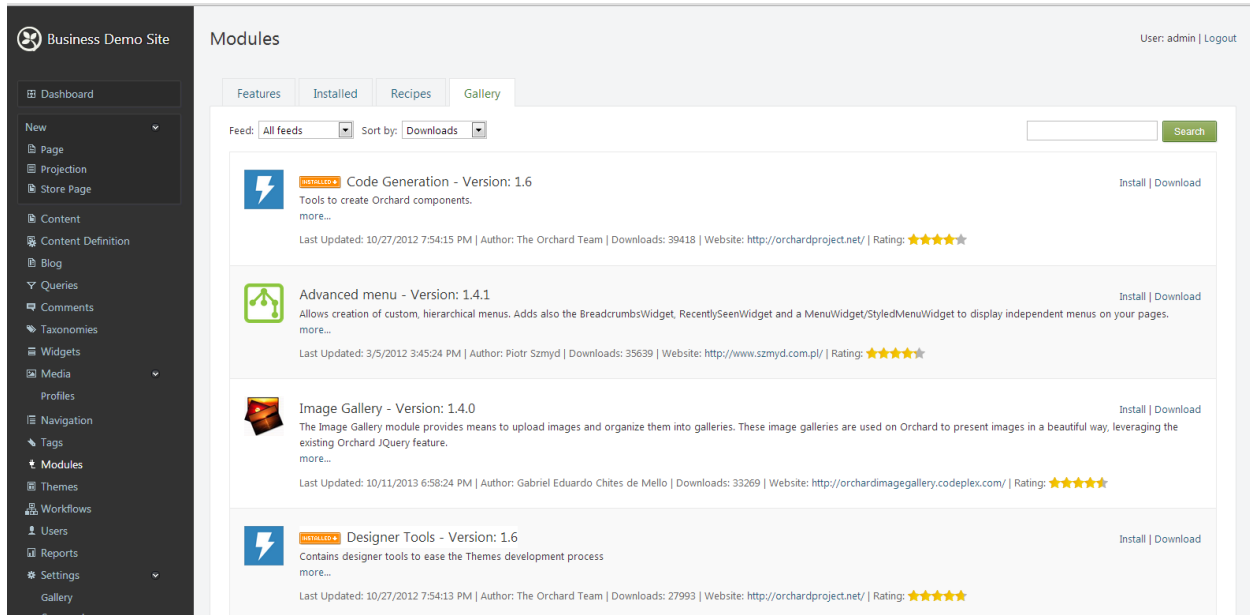
First, it is best to view the dashboard; from there most tasks will begin.

The screenshot displays the Orchard dashboard interface. On the left is a dark sidebar menu for the 'Business Demo Site' with various management options like Dashboard, Content, and Settings. The main area is titled 'Welcome to Orchard' and features a grid of informational cards. The 'Get up and running' card provides initial setup instructions. The 'Get more goodies' card points to the Orchard Gallery. The 'Read the Docs' card encourages users to explore the documentation. The 'Make friends' card suggests finding a community. The 'Contribute back' card invites users to help improve Orchard. The 'Stay up to date' card includes an advisory about the latest version (1.7.2) and a link to the update process.

5.1 Installing a Module:

To install a module the primary method is downloading it from the Orchard gallery.

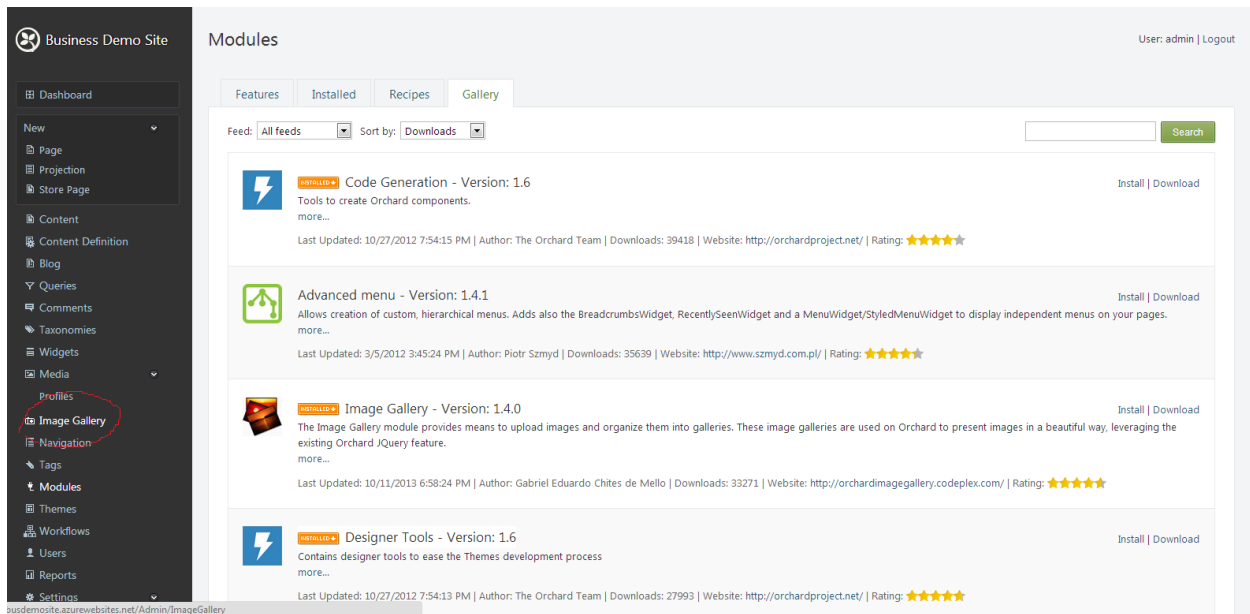
To access the Orchard gallery, click modules on the dashboard and then the tab called “gallery”.



The screenshot shows the Orchard Modules Gallery page. The left sidebar contains a navigation menu with items like Dashboard, New, Page, Projection, Store Page, Content, Content Definition, Blog, Queries, Comments, Taxonomies, Widgets, Media, Profiles, Navigation, Tags, Modules, Themes, Workflows, Users, Reports, Settings, and Gallery. The main content area is titled 'Modules' and has tabs for Features, Installed, Recipes, and Gallery. Below the tabs, there are filters for 'Feed' (All feeds) and 'Sort by' (Downloads). A search bar is also present. The list of modules includes:

- Code Generation - Version: 1.6**: Tools to create Orchard components. Last Updated: 10/27/2012 7:54:15 PM | Author: The Orchard Team | Downloads: 39418 | Website: http://orchardproject.net/ | Rating: ★★★★★
- Advanced menu - Version: 1.4.1**: Allows creation of custom, hierarchical menus. Adds also the BreadcrumbsWidget, RecentlySeenWidget and a MenuWidget/StyledMenuWidget to display independent menus on your pages. Last Updated: 3/5/2012 3:45:24 PM | Author: Piotr Szmyd | Downloads: 35639 | Website: http://www.szmyd.com.pl/ | Rating: ★★★★★
- Image Gallery - Version: 1.4.0**: The Image Gallery module provides means to upload images and organize them into galleries. These image galleries are used on Orchard to present images in a beautiful way, leveraging the existing Orchard JQuery feature. Last Updated: 10/11/2013 6:58:24 PM | Author: Gabriel Eduardo Chites de Mello | Downloads: 33269 | Website: http://orchardimagegallery.codeplex.com/ | Rating: ★★★★★
- Designer Tools - Version: 1.6**: Contains designer tools to ease the Themes development process. Last Updated: 10/27/2012 7:54:13 PM | Author: The Orchard Team | Downloads: 27993 | Website: http://orchardproject.net/ | Rating: ★★★★★

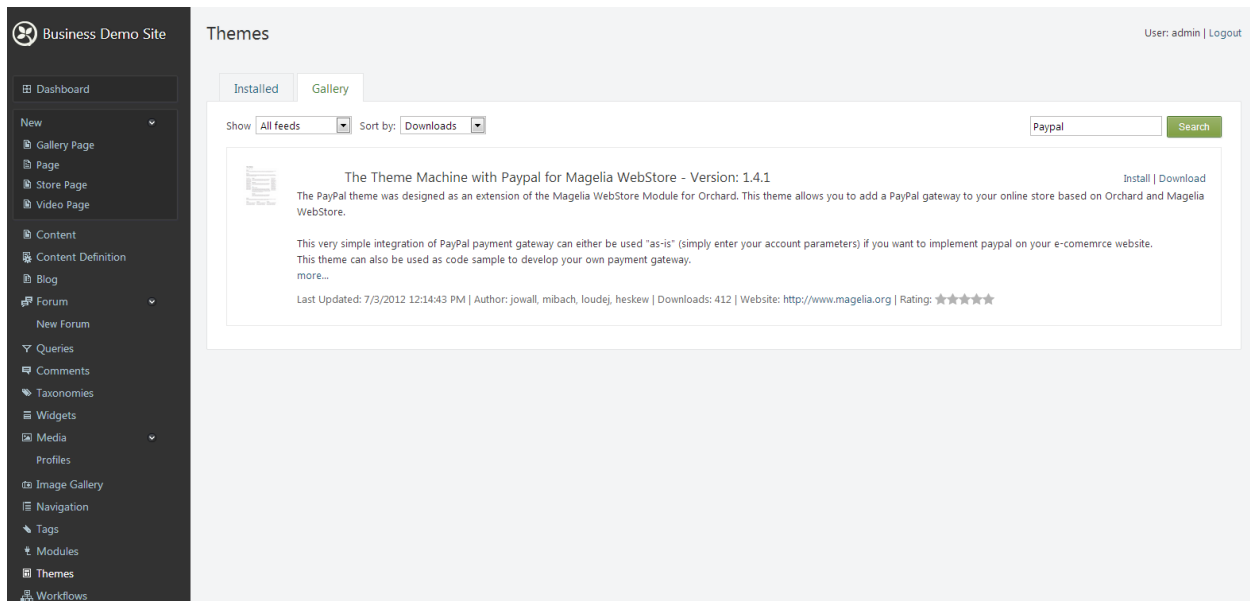
This displays a list of modules for download which can be searched via search field and filters. Click install on the Image gallery module. Then you should see a green check box asking if you want to enable the module. Click yes. Then you will notice that in the dashboard menu Image Gallery has appeared.



The screenshot shows the Orchard Modules Gallery page after installation. The left sidebar menu now includes 'Image Gallery' under the 'Media' section, which is circled in red. The main content area is the same as in the previous screenshot, but the 'Image Gallery' module is now highlighted in the list. The URL at the bottom of the page is 'busdemosite.azurewebsites.net/Admin/ImageGallery'.

5.2 Choosing a Theme:

Themes are the overall layout that define zones in which widgets will be placed. By default the theme is “Theme machine”. Click on the dashboard button “themes” and then hit the tab “gallery”. This installation will require the Magelia Paypal theme for Orchard so paypal can work. When this theme is found, click install.



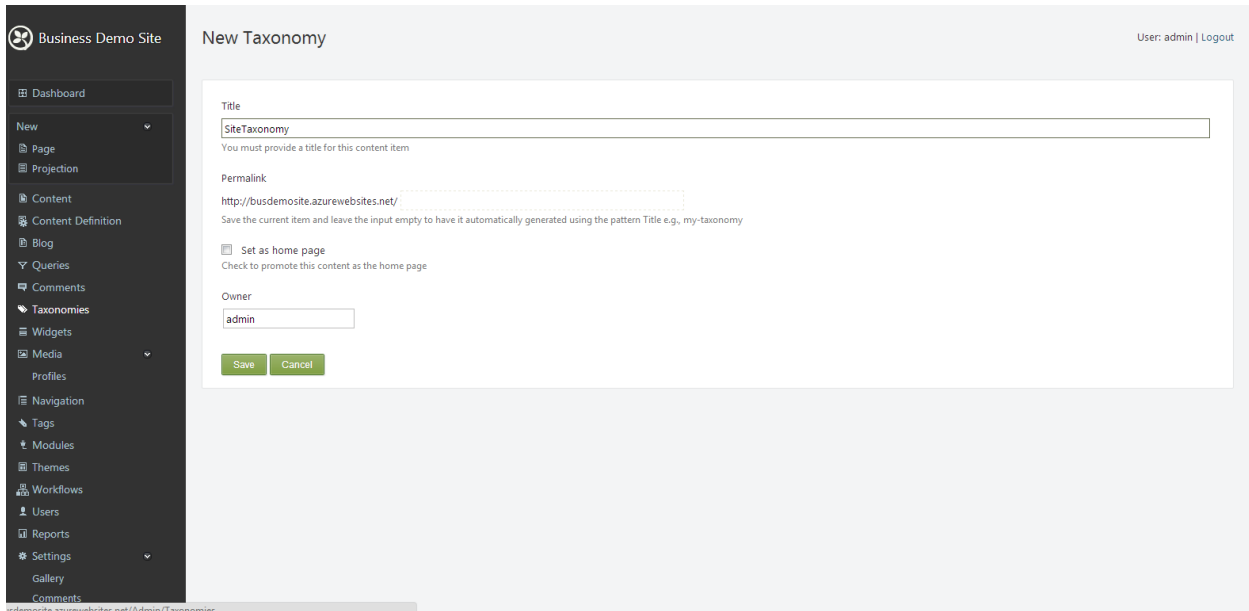
Then going back to the themes menu you will see the themes listed in which you can set one as the current theme. Themes are also where you can customize the overall CSS of the website via the .css file.

5.3 Preparing Taxonomies:

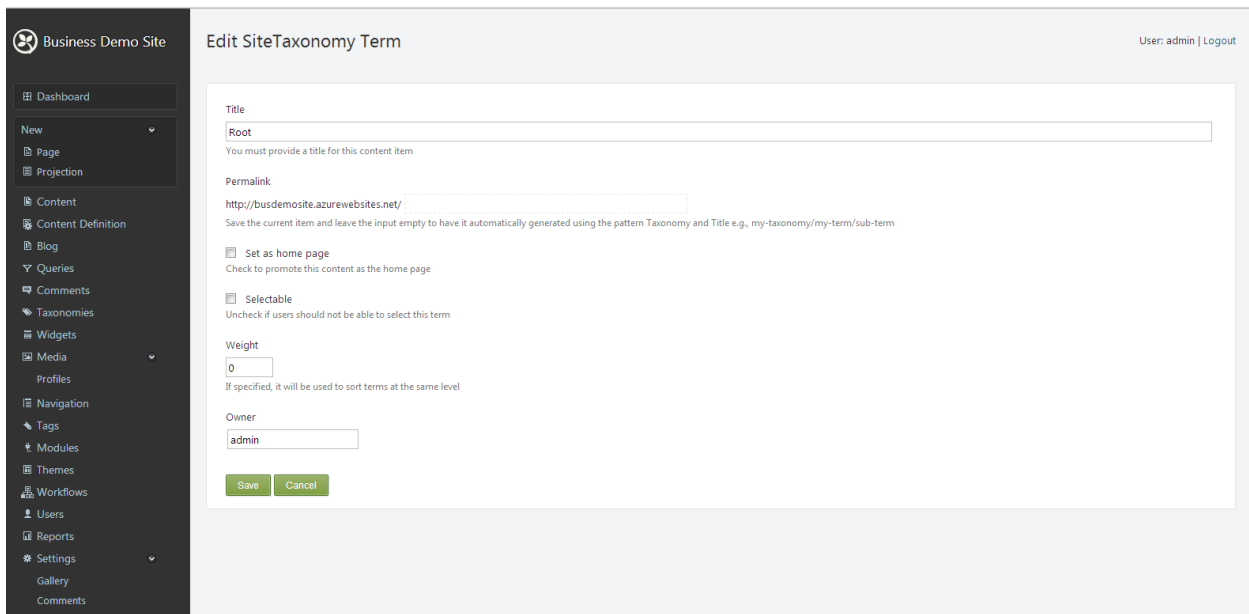
In orchard taxonomies are used to organize content items and can be used to populate dynamic menus as well be used for organization in queries.

5.3.1 Setting up the Basic Taxonomy:

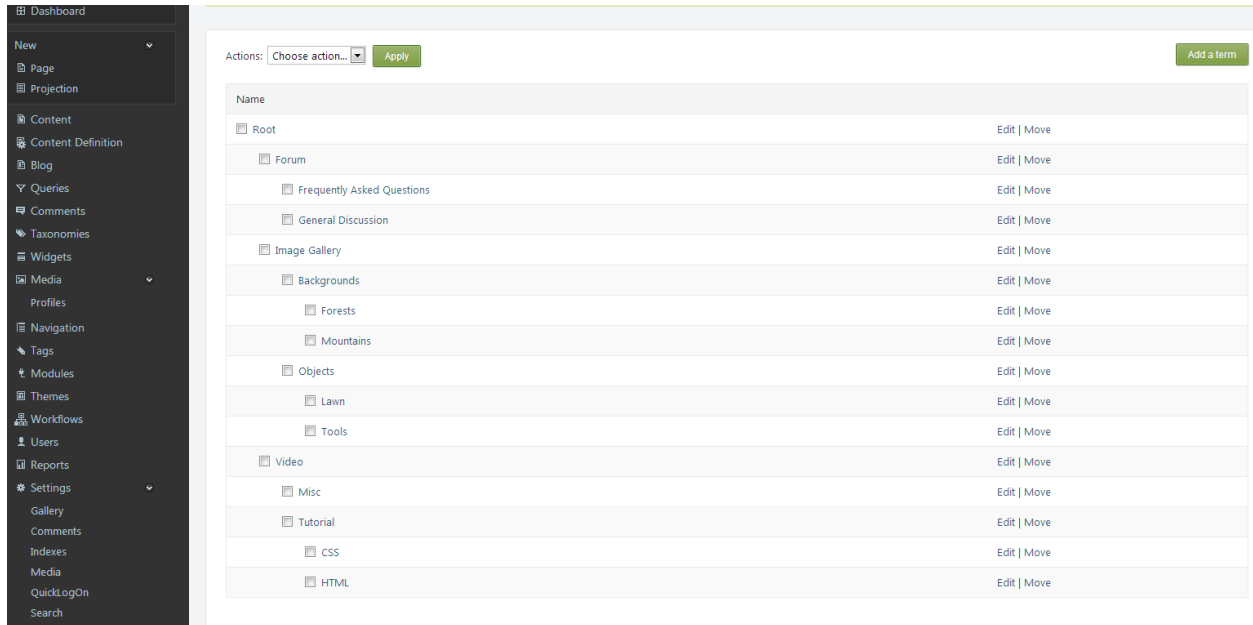
To create a taxonomy click on the taxonomies button in the menu and enter a title and hit save. The permalink will self-generate.



Once that has completed, a bar with the taxonomy name on it will appear, click edit and on the next screen click add term. This site will have three primary terms for taxonomies and as many sub terms as the end user desires. In this case, a root term is being created. Having a root term is not required unless you want to create a taxonomy menu that includes all sub menus.



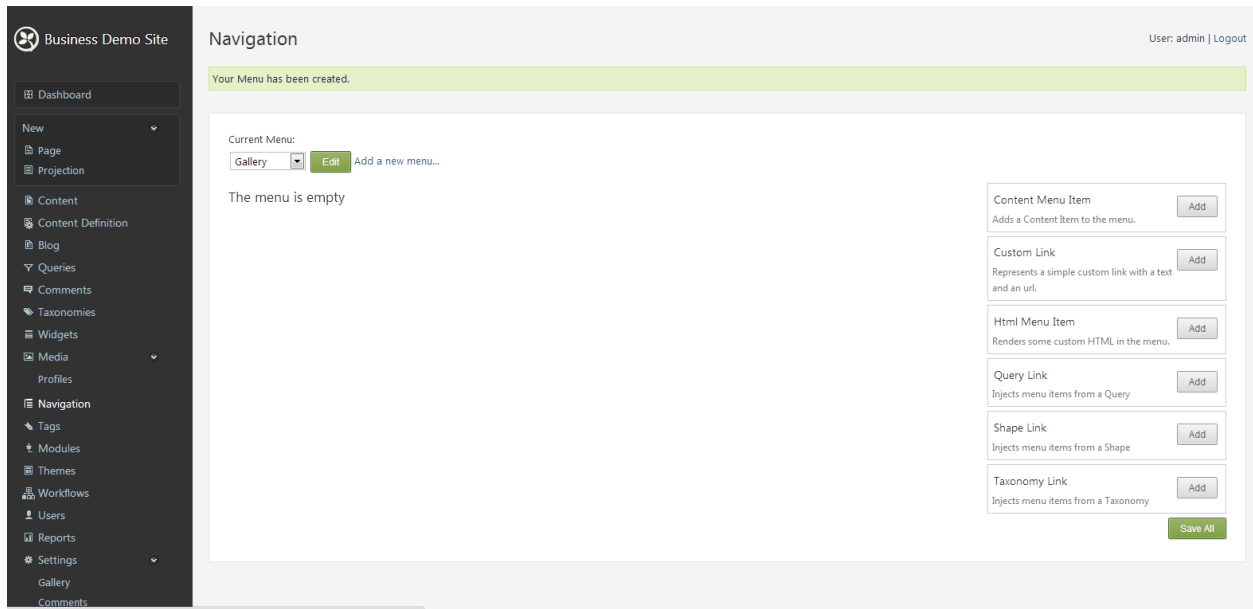
When creating a sub term that can be selected choose the appropriate parent term to create a proper hierarchy. An example is shown below:



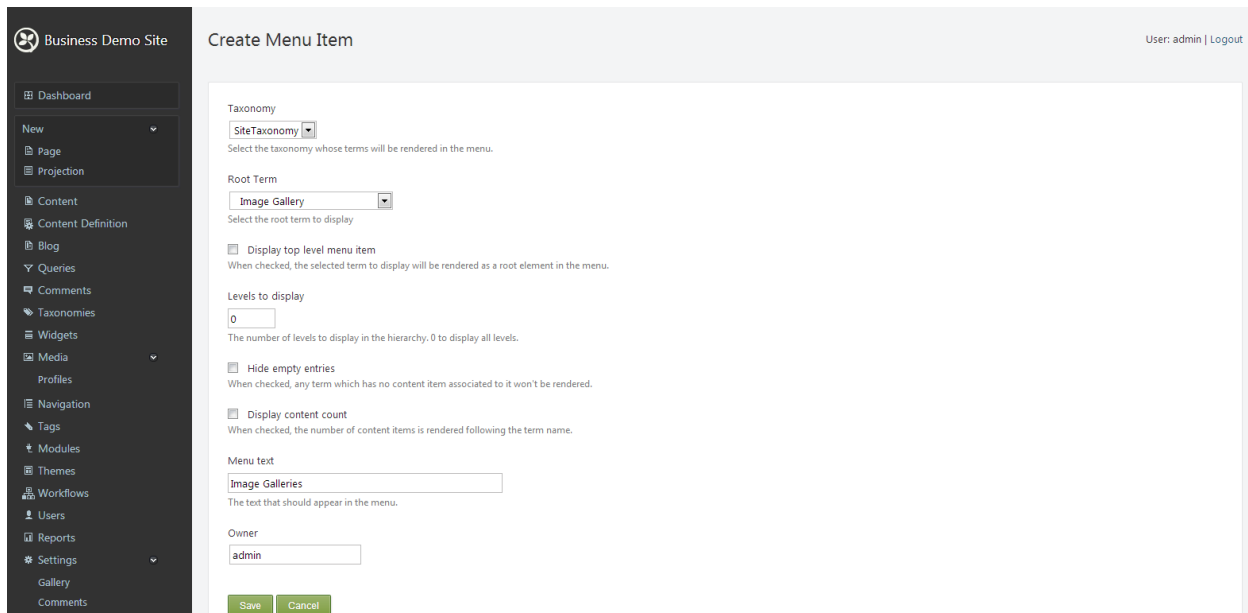
You will be able to add content to taxonomies as it is created.

5.3.2 Setting up a Taxonomy Menu:

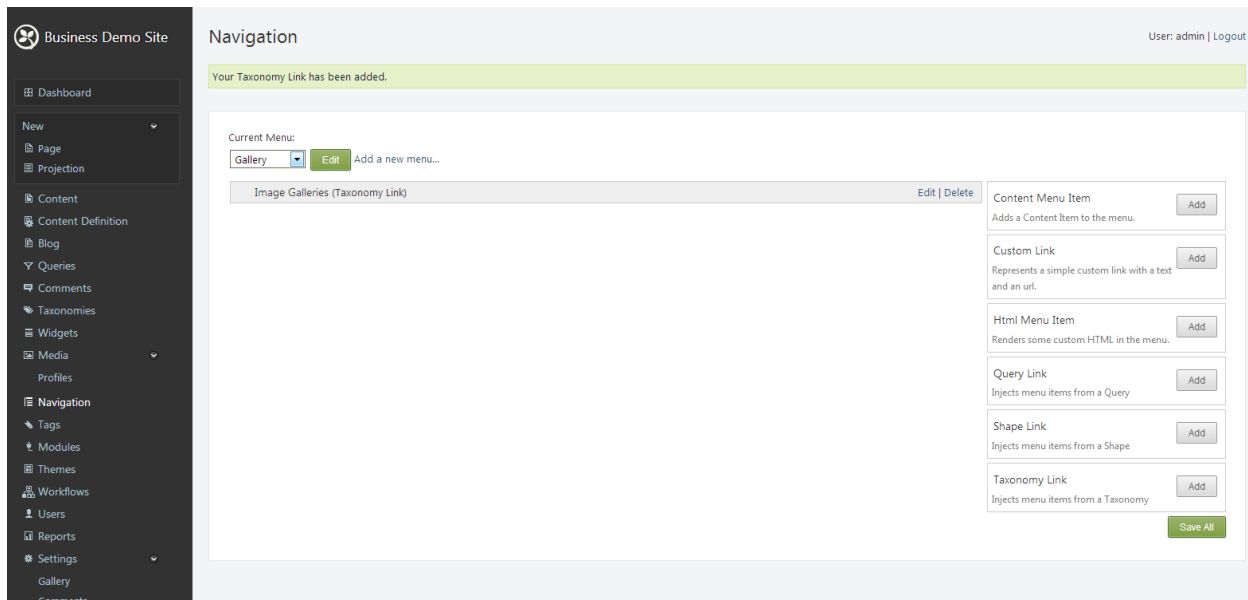
A taxonomy menu is a menu injected with terms of taxonomy. This makes menus dynamic and update as more terms are added. To create one first, go the navigation button on the dashboard. Hit create new menu, in this case it's the gallery menu.



Then click "add" in the taxonomy link.



The root term is the term that the menu will be based off of; most of the time it is not necessary to display this term so leave it unchecked. The rest of the check boxes are optional to modify to the user's needs.



The end result should look like this. Now the menu can be added to a widget in the layer section.

5.4 Setting up Projections:

Projections are ordered lists created by queries that can be set as individual pages or embedded in widgets. Projections rely on queries to get data to populate themselves. Fields in queries can range from the content name, tags, body content or its taxonomy type.

5.4.1 Designing Orchard Queries:

Queries in Orchard can be set up by clicking the queries tab and selecting “add new query”. Then add the name of the query. The query is currently blank, to modify it click edit.

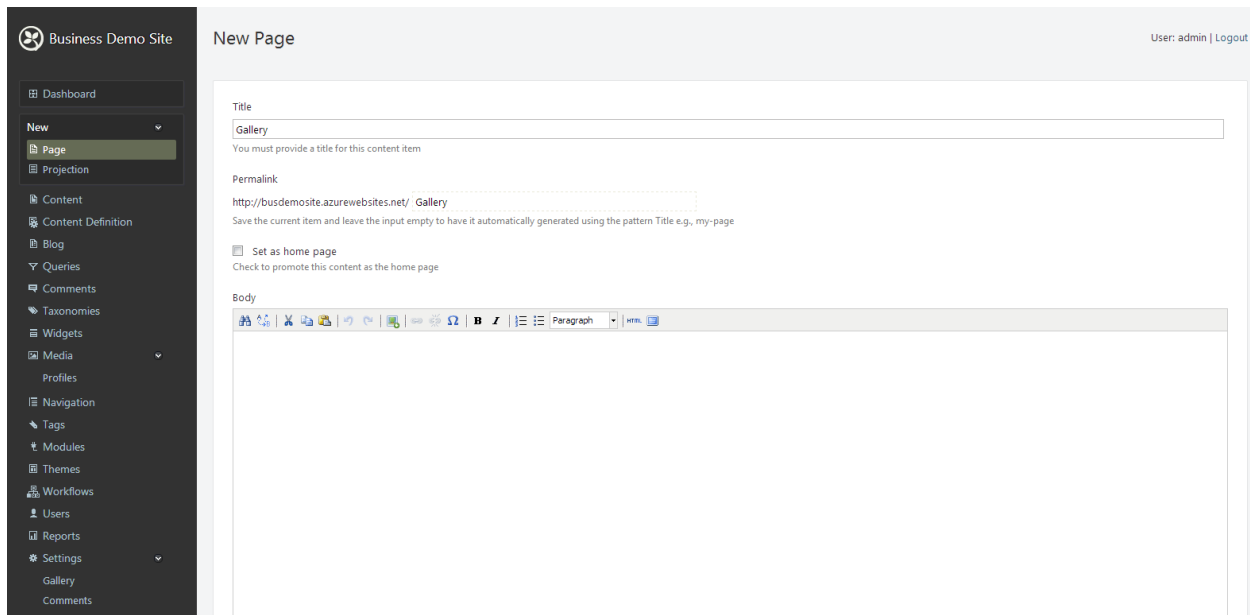
The screenshot shows the Orchard administration interface. On the left is a dark sidebar with the 'Business Demo Site' logo and a navigation menu. The 'Queries' item is expanded. The main area has a light grey header with 'User: admin | Logout'. Below the header is a green notification bar: 'Your Query has been created.' The main content is titled 'Manage Queries' and has two tabs: 'Queries' (selected) and 'Bindings'. Below the tabs are controls for 'Actions' (a dropdown menu), 'Apply', 'Sort by' (a dropdown menu set to 'Name'), 'Show' (a dropdown menu set to '10'), and 'Filter'. A green button 'Add a new Query' is on the right. Below these controls is a table with two columns: 'I' and 'Name'. The table contains one row with a checkbox in the 'I' column and the name 'Gallery' in the 'Name' column. To the right of the 'Gallery' row are links for 'Properties | Edit | Delete'.

In the editing tab you can choose a filter, a sort description and a layout. In this case since image galleries are sorted first by their creation date and second by their name. The layout will be set to be undefined so it render like a list in a widget, in which the widget can override the queries defined layout. Note: that if this query is run now it will return no results because they are no content items defined in the taxonomy as a gallery. On this site these types of queries will be run as part a widget defined in the layers section.

The screenshot shows the 'Edit Query - Gallery' interface. The left sidebar is the same as the previous screenshot. The main area has a light grey header with 'User: admin | Logout'. Below the header is the title 'Edit Query - Gallery'. The main content is divided into three sections: 'Filters', 'Sort Criteria', and 'Layouts'. The 'Filters' section has a table with one filter: 'Description' with the value 'Categorized with one of Image Gallery'. To the right of the table is a green button 'Add a new Filter'. The 'Sort Criteria' section has a table with two criteria: 'Description' and 'Ordered by Creation date, ascending'. To the right of the table is a green button 'Add a new Sort Criteria'. The 'Layouts' section has a table with one layout: 'Description'. To the right of the table is a green button 'Add a new Layout'. At the bottom of the main content area are two green buttons: 'Preview' and 'Close'.

5.5 Creating Pages:

Pages are what content in orchard is placed on via layers or direct user input into fields such as the body, tags etc. The primary pages include the Home Page (which is already created so it merely needs to be edited), the Gallery Page, the Video Page, the Forum Page and the Store Page. In order to create a page under the “new” tab on the dashboard click page:

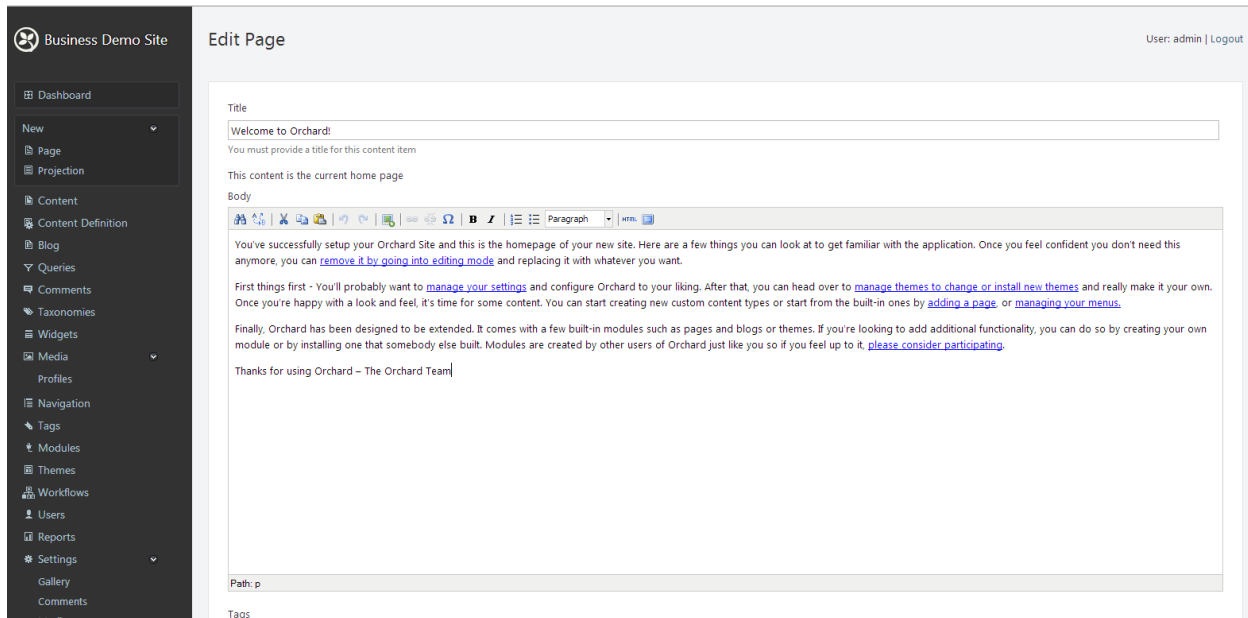


Upon scrolling down there will be a check box named “show on menu”. Check yes and choose the main menu. You can both save and publish later (saving without publishing makes the page not visible to non-dashboard capable users) but for the purposes of this documentation just choose publish and do not create a layer for this page. Layers will be created in a later section.

5.5.1 The Home Page:

The Home Page is the simplest page by default seeing that its function is to be the first page viewed by a person who enters the site. It comes preloaded with text that will need to be removed. It can be customized with various things to cater to the needs end user but for purposes of this document not much is required. NOTICE: unlike other pages it does NOT have a permalink.

First, on the dashboard click content then on the left there should be an edit text and click it.



As it can be seen the body has default text and a default title. These can be erased and rewritten in this case the title is going to be Business Demo Home Page and the text is going to be a simple welcome message which can have media added later simply by clicking on the picture plus button. This scrolling down this page can also be added to a menu in which the menu that will be chosen is the default navigation menu and the name on the menu will be "Home". As with all pages you have the option to publish now or save for later and not publish it yet making the changes not visible. For our purposes publish now is the button to click.

5.5.2 The Gallery Page:

The Gallery Page is the primary page for the image gallery. It will be covered by the Gallery Main layer and will be featured on the main menu.

Title: Gallery

Permalink field: Gallery

Name on Menu: Gallery

5.5.3 The Video Page:

The Video is the primary page for videos. It will be covered by the Video Main layer and will be featured on the main menu.

Title: Videos

Permalink field: Video

Name on Menu: Videos

5.5.4 The Forum Page:

The Forum Page is the primary page for the Forums. It will be covered by the Forum Main layer and will be featured on the main menu.

Title: Forums

Permalink field: Forum

Name on Menu: Forums

5.5.5 The Store Page:

This the page on which the Magelia store will be integrated.

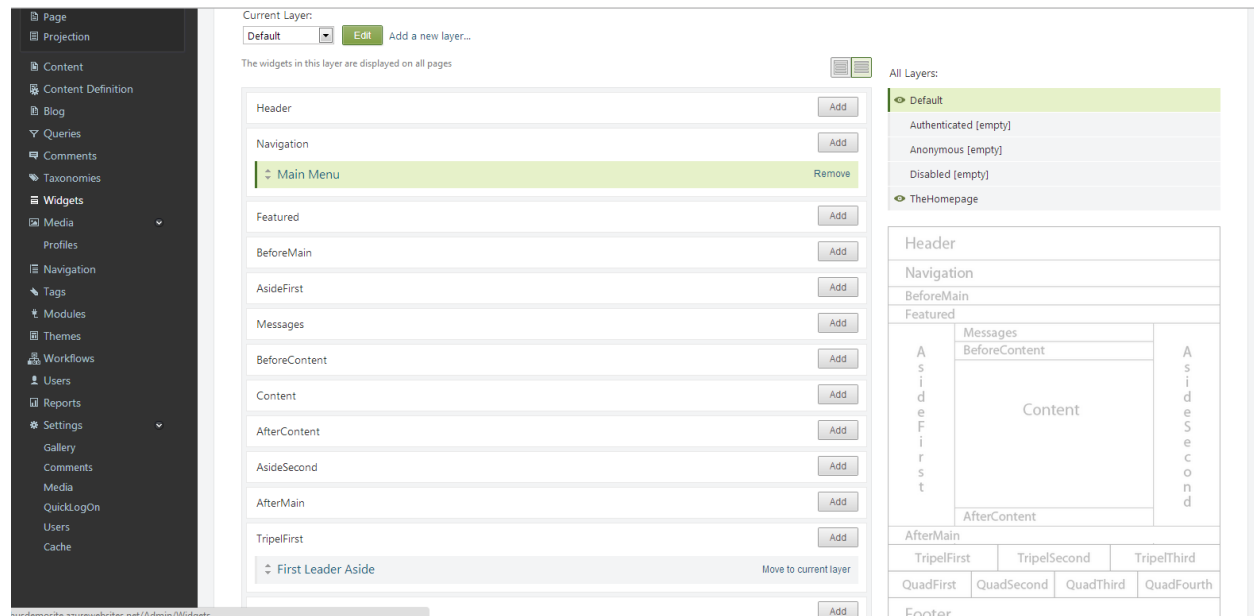
Title: Store

Permalink field: Store

Name on Menu: Store

5.6 Setting up the Layers:

The Layers are one of the primary factors in determining what widgets are viewed on what pages. They essentially can set the layout for a single page, set group of pages or the entire site.



Notice the top shows which of the current layers is selected. Notice that the green bars are widgets in their corresponding zones (illustrated to right) the currently selected layer and the blue are the not selected layers. The eyeball menu on the right shows which layers are visible in this current menu. If the layer is deselected in the eye menu any widgets in the layer will not show up in the zones. To delete a widget select from the drop down above its native layer (In this case the homepage layer). First Delete the Triple first, second and third widgets (which are those 3 boxes at the bottom of the home page). Unless you want to keep them and say edit their content then just simply click on them and you would see something similar to this which shows the basic format of a typical widget. Viewing the widget

format can be useful later when dealing with other widgets.

The screenshot shows the configuration interface for a widget in Orchard CMS. On the left is a dark sidebar menu with categories like 'Dashboard', 'New', 'Content', 'Media', 'Navigation', etc. The main content area is titled 'Zone' and contains several fields: 'Zone' (dropdown menu with 'TripelFirst' selected), 'Layer' (dropdown menu with 'TheHomepage' selected), 'Position' (text input with '5'), 'Title' (text input with 'First Leader Aside'), 'Name' (text input), and 'Body' (rich text editor with a paragraph of Lorem Ipsum text). Each field has a small explanatory text below it.

5.6.1 Layer Rules:

Each layer has a set of rules to which it is to be viewed, particularly regarding which urls they apply to. This is an example of the format a layer rule will have. A * after the url means any sub directory is also included. Or is used if there are multiple different url types the layer governs. Note: if you did not create a root in the taxonomy do not include it in the urls where it is otherwise noted.

The screenshot shows the 'Edit Layer' configuration interface. The top left has a 'Business Demo Site' logo and a sidebar menu. The top right shows 'User: admin | Logout'. The main content area is titled 'Edit Layer' and contains: 'Name' (text input with 'Gallery Main'), 'Description' (text area with 'This is the Layer for the main gallery page'), and 'Layer Rule' (text area with 'url ~/Gallery'). Below these fields are three buttons: 'Save', 'Cancel', and 'Delete'. A small note at the bottom of the Layer Rule field provides a link to documentation.

5.6.2 The Default Layer:

The default layer is the layer is the layer visible on all pages within the site. Setting up the default layer sets the baseline for the site.

For our purposes the default layer will contain the following widgets:

The Main Menu:

A menu widget in the navigation zone will be populated manually by content items as they are created, particularly the main pages.

Search:

A basic Search field widget to occupy the header zone that can be used to search content in the site,

Quick Logon:

The Quick Logon widget allows users to login as an authenticated user using a Facebook, Google or Twitter account.

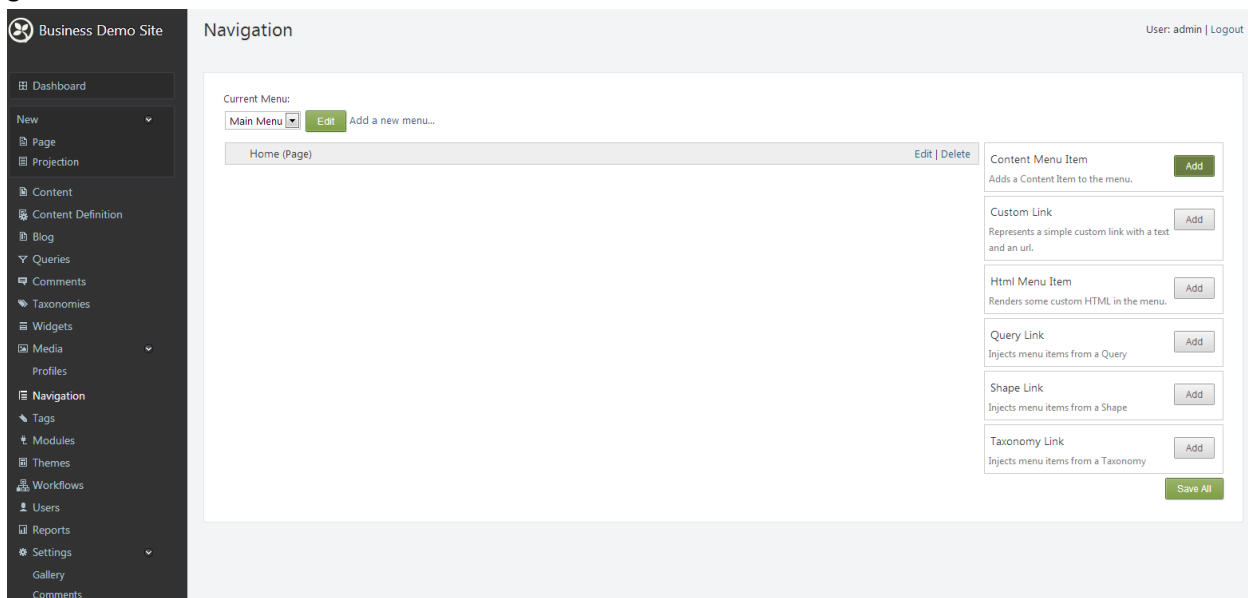
Magelia Shopping cart widget:

This widget should be placed in second aside and represents a count of how many items are in the cart if any. This particularly widget configuration will not be covered in this section but the section referencing Magelia usage.

Note: these widgets can be moved to different zones depend on the needs of the end user but recommend they stay on the default layer.

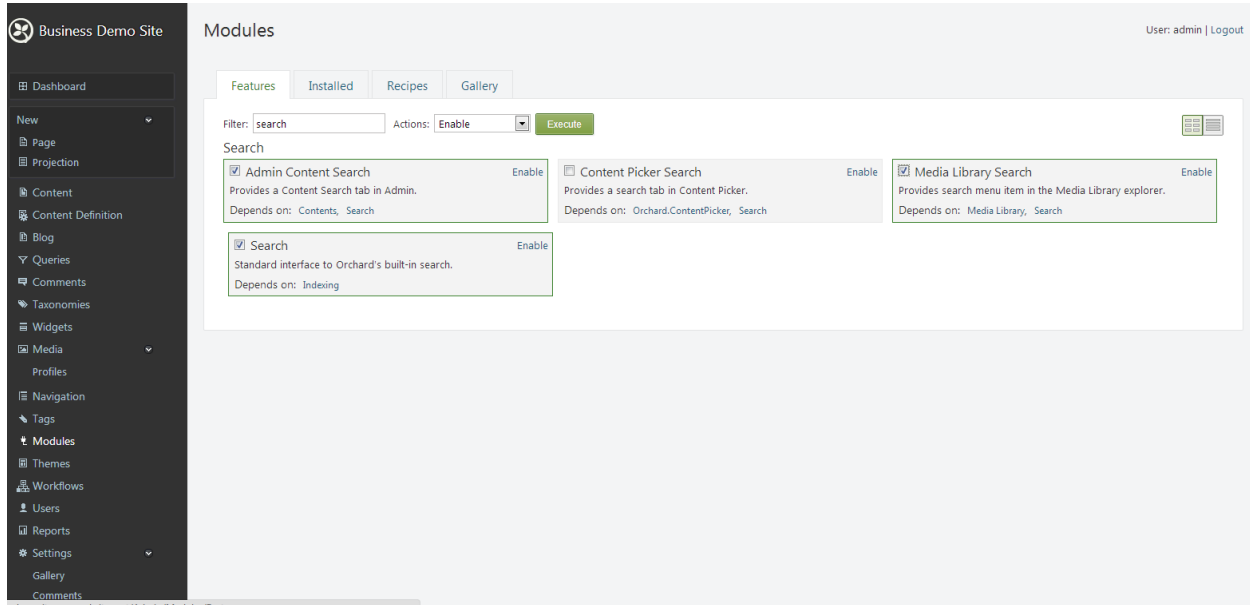
5.6.2.1 Configuring the main menu:

For the most part this menu gets configured as needed depending on which pages the user gets setup so it will not be setup directly but through the process of configuring the other pages. By default it should possess home is its sole field. To add more content items (ie pages) you add content menu items which give a list of selectable content menu items which will be used for the main menu.



5.6.2.2 Configuring the search widget:

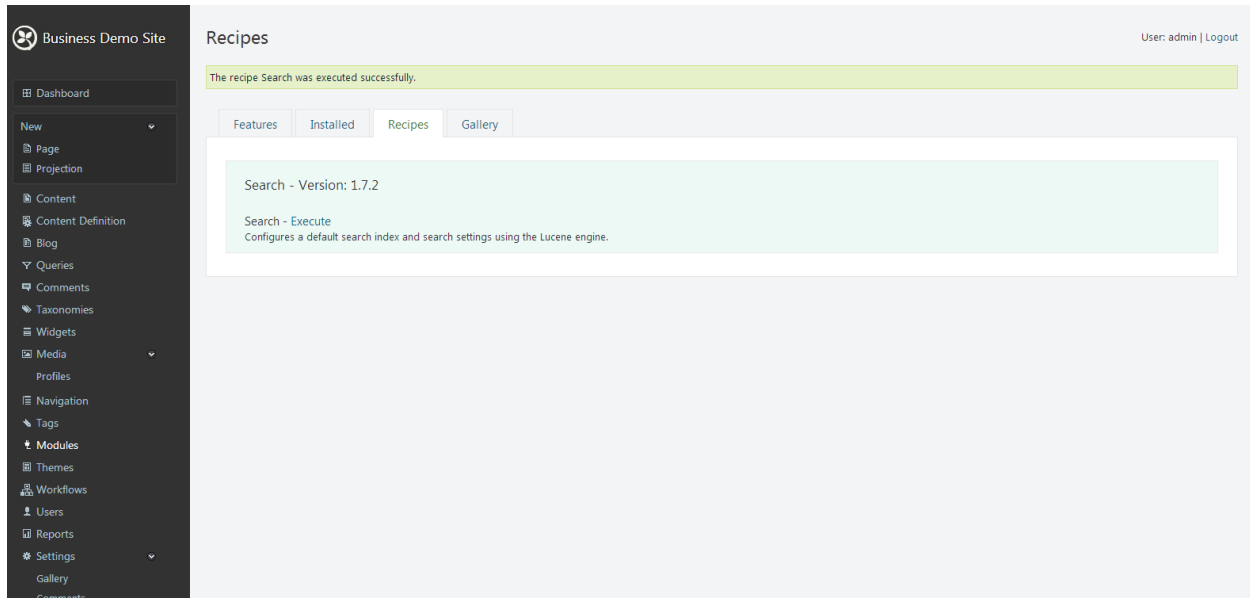
First, the features of the search module have to be activated. To do this click on modules on the dashboard and select the appropriate features under the search module as follows. Hit Execute to enable.



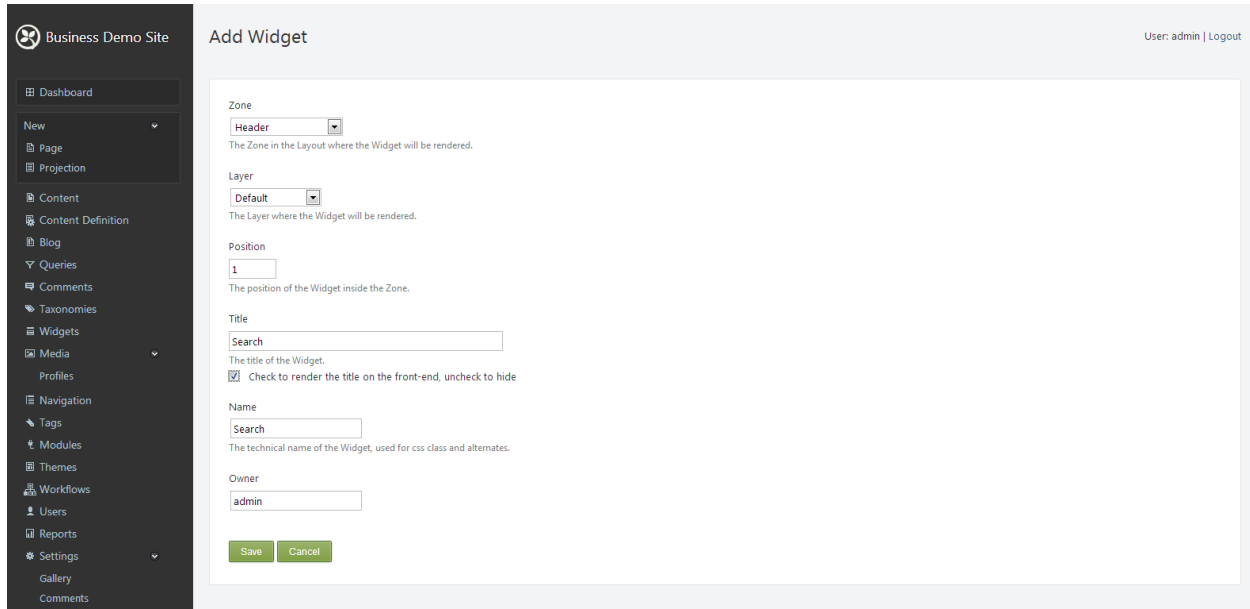
It will then ask you to enable a module called Lucene for indexing, type it into the filter and enable it.

5.6.2.2.1 Creating the search index:

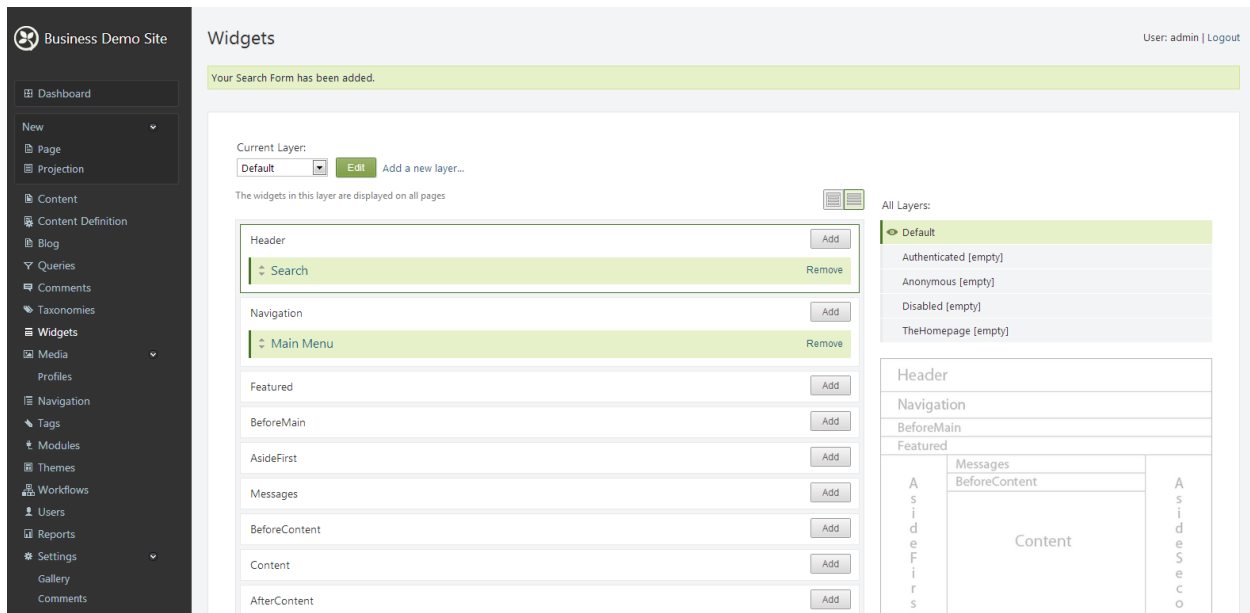
The simplest way to create the search index is to under the same page click on the recipes tab. Then click execute to create a default search index which will be named “search” by default. Towards the bottom of the dashboard under settings, click on search to make sure that “search” is the selected index. Also note that it would be good to check type, taxonomyField, and title as search properties..



Now go back to the widgets tab that shows the zones and layers. Click “add” in the navigation zone and choose search form.



Notice the zone and layers are both described and changeable via this menu. The title and the name should be as similar as possible for consistency. Depending on the object showing its name on the UI is up to the user’s needs. Once save is clicked, it will return to the widgets menu and show it has been added.



5.6.2.3 Configuring the Quick Logon:

The quick logon allows users to login using Facebook, Google and twitter. It requires the installation of 2 separate modules: RM.QuickLogOn.OAuth - Version: 1.0.7 and RM.QuickLogOn.OAuth - Version: 1.0.3 which the ladder is dependent on. Click the modules tab, then gallery and type the module name or

close into the search.

The screenshot shows the 'Modules' page in the Business Demo Site. The 'Gallery' tab is selected, and a search for 'RM.QuickLogOn.' has been performed. The search results show the 'RM.QuickLogOn.OAuth - Version: 1.0.7' module. The module description includes instructions for installation and configuration for Google, LiveID, and Facebook OAuth providers. The 'Install | Download' link is visible in the top right corner of the module card.

Install 1.0.3 first and hit the checkbox yes to enable. Then install version 1.0.7 and enable quick logon, then the same for Facebook, Google and twitter. Other Quick logons are available but will not be addressed here.

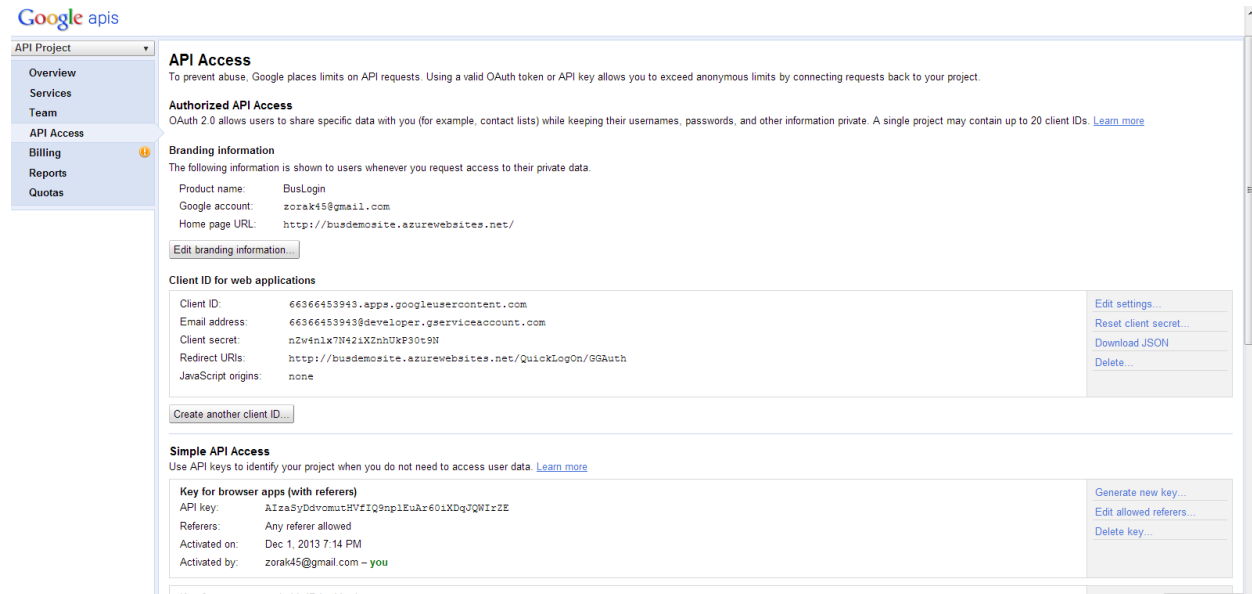
The screenshot shows the 'Security' section of the 'Modules' page. Several modules are listed with their status (Enable/Disable) and dependencies. The 'Quick LogOn' module is checked and enabled. Other modules like 'Akismet Anti-Spam Filter', 'Anti-Spam', 'Content Item Permissions', 'Quick LogOn with Facebook OAuth', 'Quick LogOn with Google OAuth', 'Quick LogOn with LinkedIn OAuth', 'Quick LogOn with Twitter OAuth', 'Quick LogOn with Windows LiveID OAuth', 'Secure Sockets Layer', and 'TypePad Anti-Spam Filter' are also shown with their respective settings and dependencies.

Note: The check marks are not necessary they are just a visual aid to show which features to have active from these modules. Once they are active at the bottom of the dashboard there should now be a QuickLogon item on the menu. Click it.

Though the instructions are somewhat thorough on how to set these up this document will show some details that might not be readily apparent through the default screen. For all of these you have to register as developer with each of the corresponding sites.

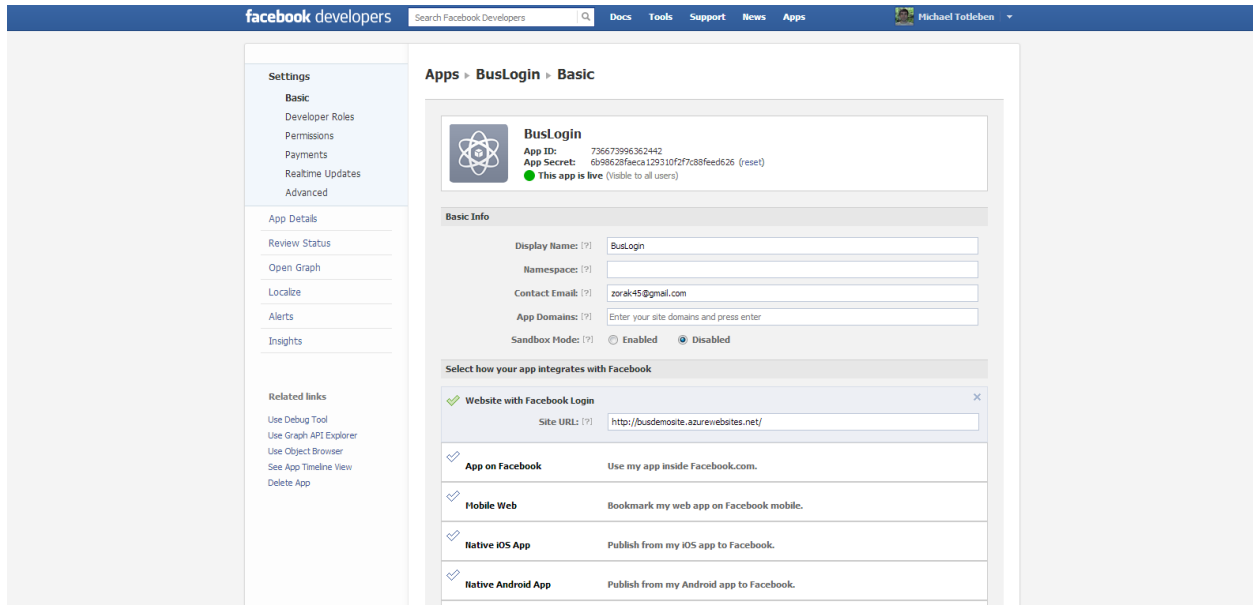
5.6.2.3.1 Google OAuth:

Once you go the link in step one it should look like this; if you have no app click create app or API project(in this instance its named BusLogin) and return to this page then you will be able to get Google auth to work once you fill in the callback url given by the module in the previous screen and taking the client id and client secret from this one.



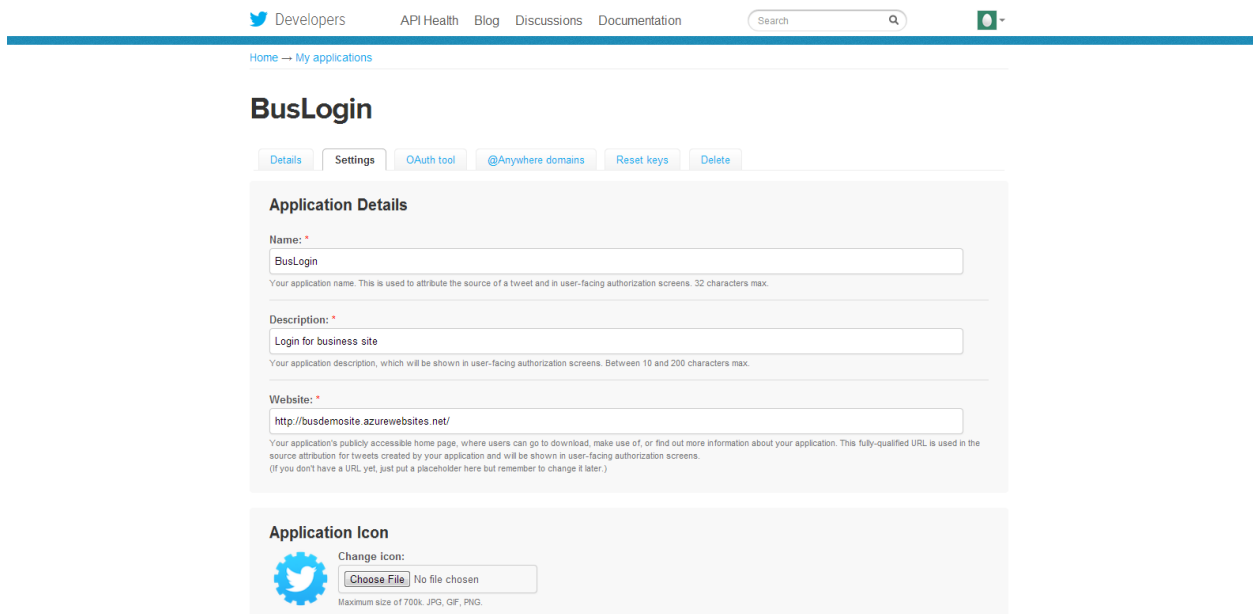
5.6.2.3.2 Facebook OAuth

Facebook OAuth is similar to setup. First create and name an app and put in the callback url given by the module. You will also need to fill a few other fields listed below and make sure Facebook login for site is checked. NOTE: Make sure that sandbox mode is turned off or only developers can use Facebook login.

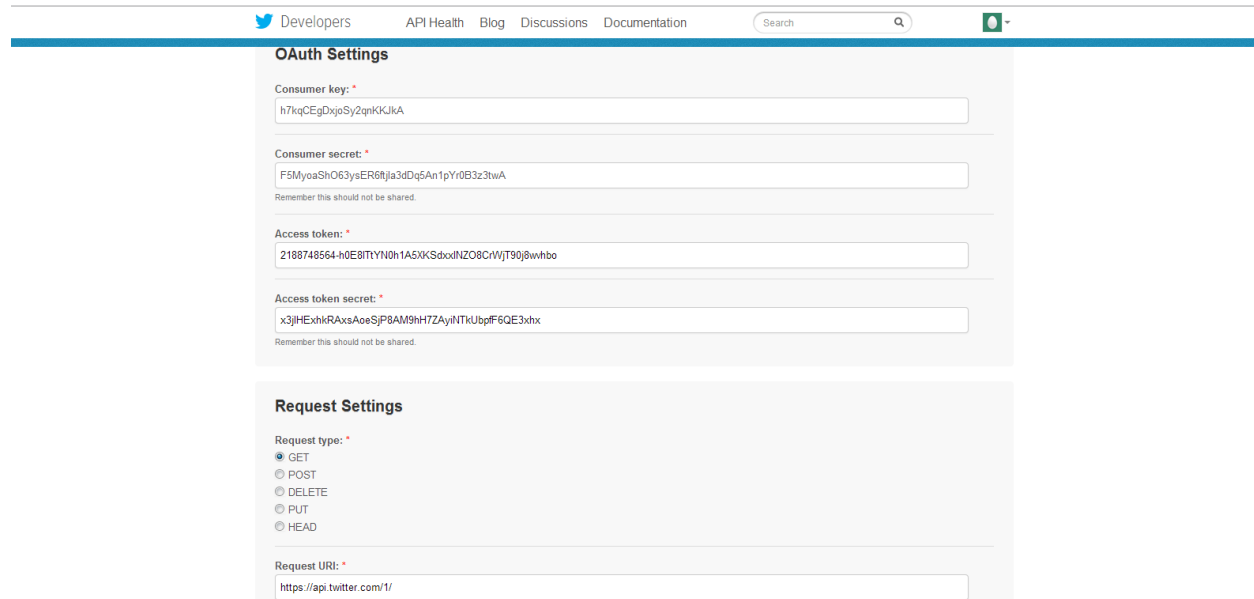


5.6.2.3.3 Twitter OAuth:

Once again it functions similar to the Google and Facebook open auth but also requires creating an app. First, go under the settings tabs and fill in the appropriate fields. Note that callback url field is on this page but is requires some scrolling so its outside the screen shot.



The second part of the Twitter configuration requires that you click on the “Oauthtool” tab to get the rest of the data required. Hit save when finished with all three.



The screenshot shows a web interface for configuring Twitter OAuth. At the top, there is a navigation bar with links for 'Developers', 'API Health', 'Blog', 'Discussions', and 'Documentation', along with a search box and a user profile icon. Below the navigation bar, the page is divided into two main sections: 'OAuth Settings' and 'Request Settings'. The 'OAuth Settings' section contains four input fields: 'Consumer key' (value: h7kqCEgDxpoSy2qniKKJkA), 'Consumer secret' (value: F5MyoaShO63ysER6Rlja3dDq5An1pYr0B3z3twA), 'Access token' (value: 2188748564-h0E8tTYN0h1A5/KXKsDooINZ08C4WjT90j@whbo), and 'Access token secret' (value: x3jHExhkRAXsAoeSP8AM9H7ZayiNTkUbpF6QE3xhx). Below each secret field is a note: 'Remember this should not be shared.' The 'Request Settings' section has a 'Request type' dropdown menu with radio buttons for GET (selected), POST, DELETE, PUT, and HEAD. Below it is a 'Request URI' input field with the value 'https://api.twitter.com/1/'. The entire form is set against a light gray background with white input fields and labels.

5.6.2.3.4 Widget Creation:

To create the widget simply go to the widgets menu, select "add" in the navigation zone and choose quick logon widget on the default layer. Unchecking display title is recommended.

5.6.2.4 Magelia Cart Widget:

See the Magelia’s Orchard module documentation to set this up in section 5.9.

5.6.3 The Home Page Layer:

By default in this setup there aren’t any special widgets assigned to this layer since it’s simply a home page. Its rules are set by default that widgets created on its layer only appear on the homepage.

5.6.4 Image Gallery Layers:

The image gallery layers is the layer for image gallery pages. There are two layers that have to with the image gallery. Image Gallery Main and Image Gallery sub.

5.6.4.1 Image Gallery Main:

This layer is the layer for the image gallery when it is selected via the main menu giving both a taxonomy menu on the right and a projection of Image galleries in the content area.

5.6.4.1.1 Layer Rule:

url '~/Gallery'

5.6.4.1.2 Taxonomy Menu:

The taxonomy menu is a widget located in the aside first zone. Create a Menu called “Gallery” and have it use a taxonomy link. Make the root term “Gallery” and do not check display root term.

5.6.4.1.3 Gallery Projection:

The gallery projection will be a projection widget located in the content zone with the gallery query selected:

Gallery widget query parameters:

Filters: Categorized with one of Image Gallery

Sort Criteria: Order by creation date ascending, Order by Title Part Ascending.

5.6.4.2 Image Gallery Sub:

This layer is the layer used when a gallery is selected by the taxonomy menu or selected directly through the projection in the content area.

5.6.4.2.1 Layer rule:

url("~/sitetaxonomy/root/image-gallery*") or url("~/gallery/*")

5.6.4.2.2 Taxonomy Menu:

The taxonomy menu is a widget located in the aside first zone. Name it "GallerySub" (and have title just "Galleries" if you want it show) and have it use the already created menu "Gallery".

5.6.4.2.3 Content:

This is simple the content of the page i.e. the particular Gallery Page that will appear in the content zone.

5.6.5 Video Page Layers:

The Video Page layer is the layer for video pages. There are two layers that have to do with the Video Page Main and Video Page sub.

5.6.5.1 Video Page Main:

This Layer is the layer for the Video Page when it is selected via the main menu giving both a taxonomy menu on the right and a projection of Video Pages in the content area.

5.6.5.1.1 Layer Rule:

url '~/Video'

5.6.5.1.2 Taxonomy Menu:

The taxonomy menu is a widget located in the aside first zone. Create a Menu called "Videos" and have it use a taxonomy link. Make the root term "Video" and do not check display root term.

5.6.5.1.3 Video Projection:

The Video Projection will be a projection widget located in the content zone with the Video query selected:

Video widget query parameters:

Filters: Categorized with one of Video

Sort Criteria: Order by creation date ascending, Order by Title Part Ascending.

5.6.5.2 Video Page Sub:

This layer is the layer used when a video page is selected by the taxonomy menu or selected directly through the projection in the content area.

5.6.5.2.1 Layer rule:

url("~/sitetaxonomy/root/video*") or url("~/video/*")

5.6.5.2.2 Taxonomy Menu:

The taxonomy menu is a widget located in the aside first zone. Name it "VideoSub" (and have title just "Videos" if you want it show) and have it use the already created menu "Video".

5.6.5.2.3 Content:

This is simple the content of the page i.e. the particular Video Page that will appear in the content zone.

5.6.6 Forum Layers:

The Forum layer is the layer for Forum pages. There are two layers that have to with the Forums; Forum main and Forum Sub.

5.6.6.1 Forum Main:

This Layer is the layer for the Forum when it is selected via the main menu giving both a taxonomy menu on the right and a projection of Forums in the content area.

5.6.6.1.2 Layer Rule:

url '~/Forum'

5.6.6.1.3 Taxonomy Menu:

The taxonomy menu is a widget located in the aside first zone. Create a Menu called "Forum" and have it use a taxonomy link. Make the root term "Forum" and do not check display root term.

5.6.6.1.4 Forum Projection:

The Forum Projection will be a projection widget located in the content zone with the Forum query selected:

Forum widget query parameters:

Filters: Categorized with one of Forum

Sort Criteria: Order by creation date ascending, Order by Title Part Ascending.

5.6.6.2 Forum Sub:

This layer is the layer used when a forum is selected by the taxonomy menu or selected directly through the projection in the content area.

Layer rule: url("~/sitetaxonomy/root/forum*") or url("~/forum/*")

5.6.6.2.1 Taxonomy Menu:

The taxonomy menu is a widget located in the aside first zone. Name it “ForumSub” (and have title just “Forum” if you want it show) and have it use the already created menu “Forum”.

5.6.6.2.2 Content:

This is simple the content of the page ie the particular Gallery Page that will appear in the content zone.

5.6.7 Magelia Layer(Store Layer):

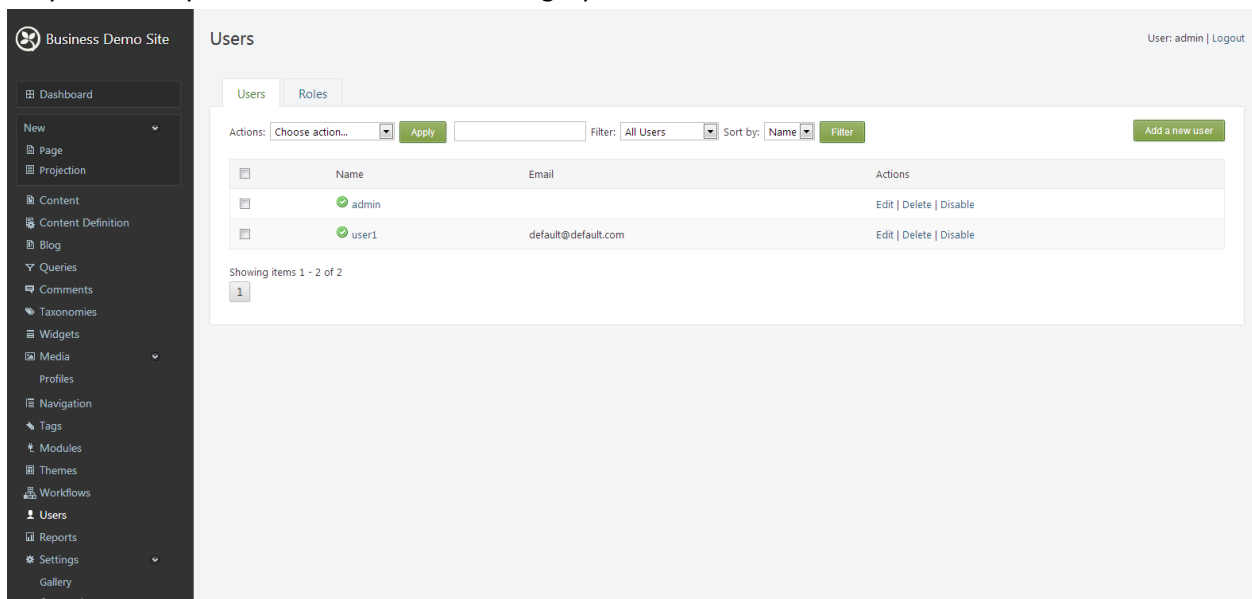
The Magelia setup within orchard has its own documentation and it will be referenced in the Magelia/Orchard Linking section.

5.7 Security/User Settings

Orchard uses a system very similar to a standard asp.net configuration when it comes to users and security.

5.7.1 Users:

Users can be created via the users tab. When they are created they can be assigned roles. By default they will merely be in the authenticated category.

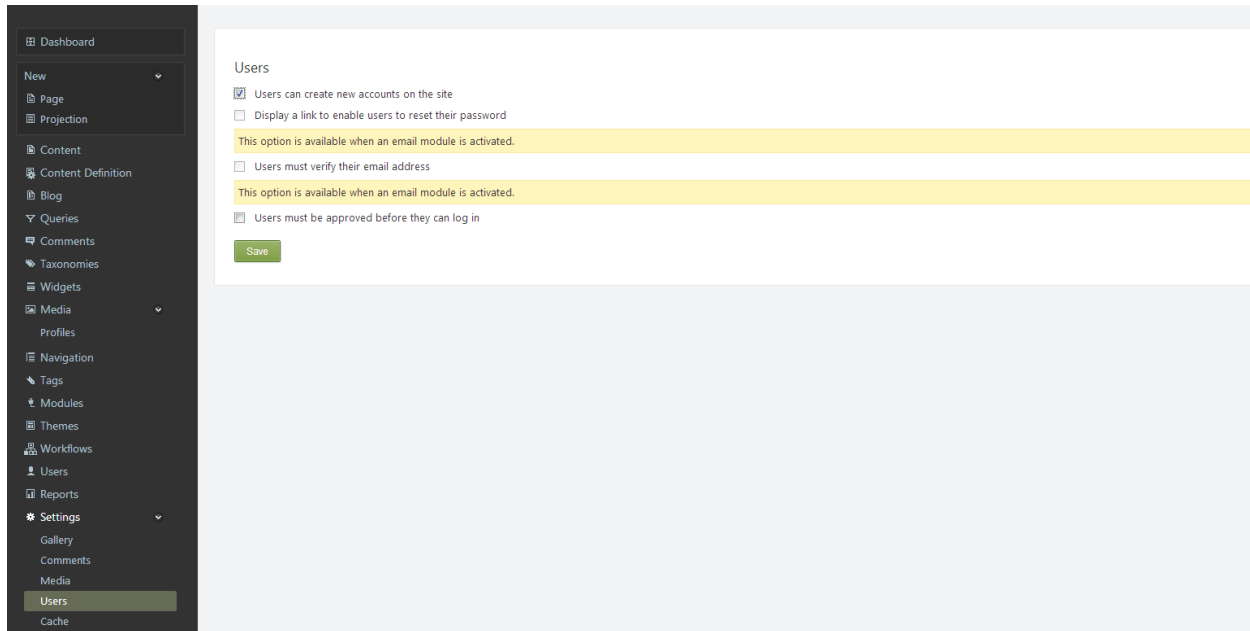


The screenshot shows the Orchard CMS administration interface for user management. On the left is a dark sidebar with a navigation menu including Dashboard, New (Page, Projection), Content, Content Definition, Blog, Queries, Comments, Taxonomies, Widgets, Media, Profiles, Navigation, Tags, Modules, Themes, Workflows, Users, Reports, Settings, Gallery, and Comments. The main content area is titled "Users" and includes a breadcrumb "Users" and a "Roles" tab. At the top right, it says "User: admin | Logout". Below the tabs, there are controls for "Actions" (Choose action...), "Apply", "Filter" (All Users), "Sort by" (Name), and "Filter". A green "Add a new user" button is on the right. A table lists two users:

	Name	Email	Actions
<input type="checkbox"/>	admin		Edit Delete Disable
<input type="checkbox"/>	user1	default@default.com	Edit Delete Disable

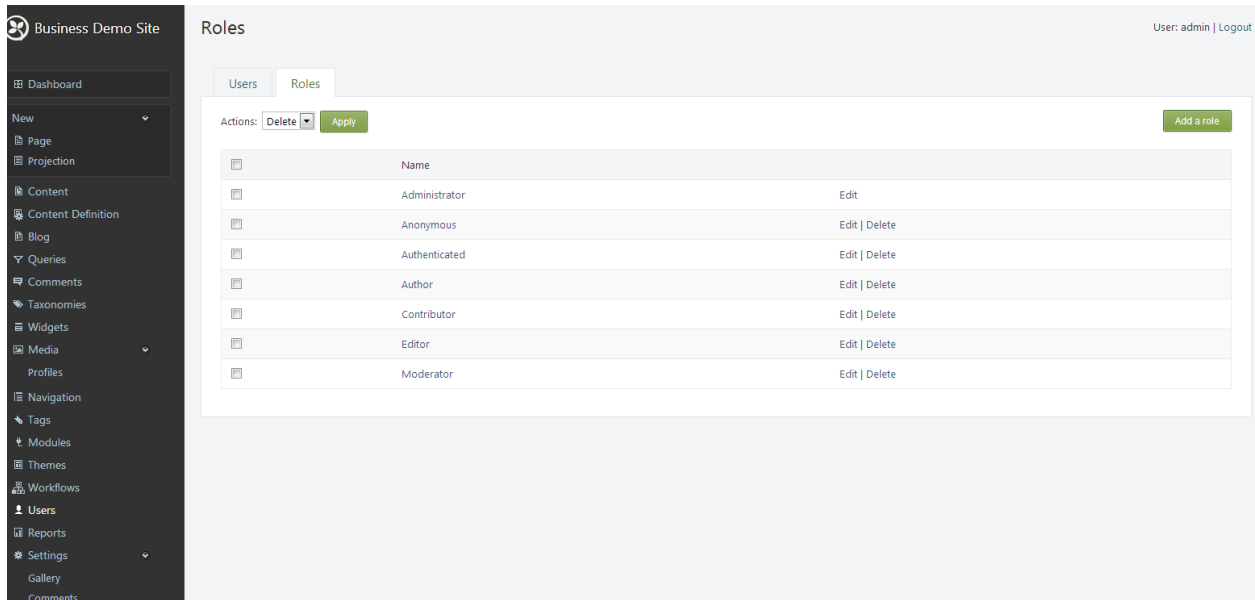
Below the table, it says "Showing items 1 - 2 of 2" and a pagination control showing "1".

Users in the site can be authenticated or anonymous. If it is desired that users can create their own accounts then under the “settings” tab on the dashboard select “users” and check permissions.



5.7.2 Roles

Roles are setup similar in other ASP.net applications can be added and modified to the needs of the administrator.



Under the roles tab, check that authenticated users can publish their own content. This will allow them to post in forums.

Edit Gallery Page	<input type="checkbox"/>	<input type="checkbox"/>
Delete Gallery Page for others	<input type="checkbox"/>	<input type="checkbox"/>
Delete Gallery Page	<input type="checkbox"/>	<input type="checkbox"/>
View Gallery Page by others	<input type="checkbox"/>	<input checked="" type="checkbox"/>
View own Gallery Page	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Video Page		
Permission	Allow	Effective
Publish or unpublish Video Page for others	<input type="checkbox"/>	<input type="checkbox"/>
Publish or unpublish Video Page	<input type="checkbox"/>	<input type="checkbox"/>
Edit Video Page for others	<input type="checkbox"/>	<input type="checkbox"/>
Edit Video Page	<input type="checkbox"/>	<input type="checkbox"/>
Delete Video Page for others	<input type="checkbox"/>	<input type="checkbox"/>
Delete Video Page	<input type="checkbox"/>	<input type="checkbox"/>
View Video Page by others	<input type="checkbox"/>	<input checked="" type="checkbox"/>
View own Video Page	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Contents Feature		
Permission	Allow	Effective
Edit own content	<input type="checkbox"/>	<input type="checkbox"/>
Edit content for others	<input type="checkbox"/>	<input type="checkbox"/>
Publish or unpublish own content	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Publish or unpublish content for others	<input type="checkbox"/>	<input type="checkbox"/>
Delete own content	<input type="checkbox"/>	<input type="checkbox"/>
Delete content for others	<input type="checkbox"/>	<input type="checkbox"/>
View all content	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
View own content	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Orchard.Comments Feature		
Permission	Allow	Effective

5.8 Sub Page Creation/Creating New Content Types:

The sub pages are specialized pages that exist to cater to a specific function. These functions are an Image gallery page, a video page, a forums page and a store page. For the most part they are similar to a standard page but with a few special parts and fields. NOTE: Aside from the store pages all subpages should be indexed in the search index. Also, under content definition it is useful to uncheck projections as creatable in the new menu because the end user will not need them to be accessed in that fashion.

5.8.1 Store Page Creation:

The simplest page that will be created is a store page. It is exactly the same as a standard page except for the name. The justification for this is that Magelia requires various pages to implement it store and to filter out those pages from standard pages they will be given a different name. Also, it complies with the standard that all subpages are their own form of page. Note: this does not include the Main store page which is a standard page.

First go the Content Definition tab in the Dashboard and click it, then create new content type.

Business Demo Site | Manage Content Types | User: admin | Logout

Content Types | Content Parts

Filter: Create new type

Audio - Media	Edit
Blog	Edit
Blog Archives - Widget	Edit
Blog Post	Edit
Comment	Edit
Container Widget - Widget	Edit
Content Menu Item - MenuItem	Edit
Custom Form	Edit
Custom Form Widget - Widget	Edit
Custom Link - MenuItem	Edit
Document - Media	Edit

Name the content type Store Page and choose the content parts as shown below.

Store Page
Content Type Id: StorePage

Index this content type in:

Search

Creatable
Determines if an instance of this content type can be created through the UI.

Draftable
Determines if this content type supports draft versions.

Stereotype

(Optional) The stereotype of the content type. e.g., Widget, MenuItem, ...

Fields Add Field

Parts Add Parts

- > Common - Provides common information about a content item, such as Owner, Date Created, Date Published and Date Modified. Remove
- > Autoroute - Adds advanced url configuration options to your content type to completely customize the url pattern for a content item. Remove
- > Body - Allows the editing of text using an editor provided by the configured flavor (e.g. html, text, markdown). Remove
- Menu - Provides an easy way to create a ContentMenuItem from the content editor. Remove
- Title - Provides a Title for your content item. Remove

These are Common, Autoroute, Body, Menu, Title. Hit save at the bottom of the screen and the content type is created.

5.8.2 Image gallery Page Creation:

Creating an Image gallery page is similar except it allows tags, is indexed in search has an Image Gallery Part and a taxonomy field. To add taxonomy field click add field and choose taxonomy. Name it "Taxonomy Field" for simplicity. Note that it is implied the image gallery module has been installed already.

Parts:

Common

Autoroute

Comments

Image Gallery

Navigation

Publish Later

Body

Tags

Title

Fields:

Taxonomy: an example of what all content with taxonomy field should have check and selected.

The screenshot shows the Drupal Fields configuration interface. On the left is a dark sidebar menu with options: Media, Profiles, Image Gallery, Navigation, Tags, Modules, Themes, Workflows, Users, Reports, Settings, Gallery, Comments, Indexes, Media, QuickLogOn, Search, Users, and Cache. The main content area is titled 'Fields' and contains a configuration for a 'Taxonomy Field (Taxonomy Field)'. The configuration includes: 'Include in the index' (checked), 'Select a taxonomy' (SiteTaxonomy), 'Restrictions' (Restrict selectable elements to leaves (parent / child terms) only and Allow only one term to be selected, both unchecked), 'Required' (checked), 'Autocomplete' (Enable Autocomplete and Allow new terms to be created, both checked), and a 'Help text' field containing 'The Category of the forum.'. Buttons for 'Add Field', 'Edit | Remove', and 'Add Parts' are visible.

5.8.3 Video Page Creation:

The Video Page is a page on which videos are presented. To create a video page selected the following parts.

Parts:

Common

Autoroute

Comments

Navigation

Publish Later

Body

Tags

Fields:

Taxonomy

5.8.4 Forum Page Creation:

The Forum Page is a sub page for forums. Install the Forum module “Forums - Version: 1.0.1” from the gallery and modify content definition for forums by adding a taxonomy field and checking searchable in

the index. It's optional to make them creatable since they are creatable already via the dashboard when the module is installed.

5.9 Magelia/Orchard Linking:

Magelia has created its own documentation regarding the linking process which can be found here:

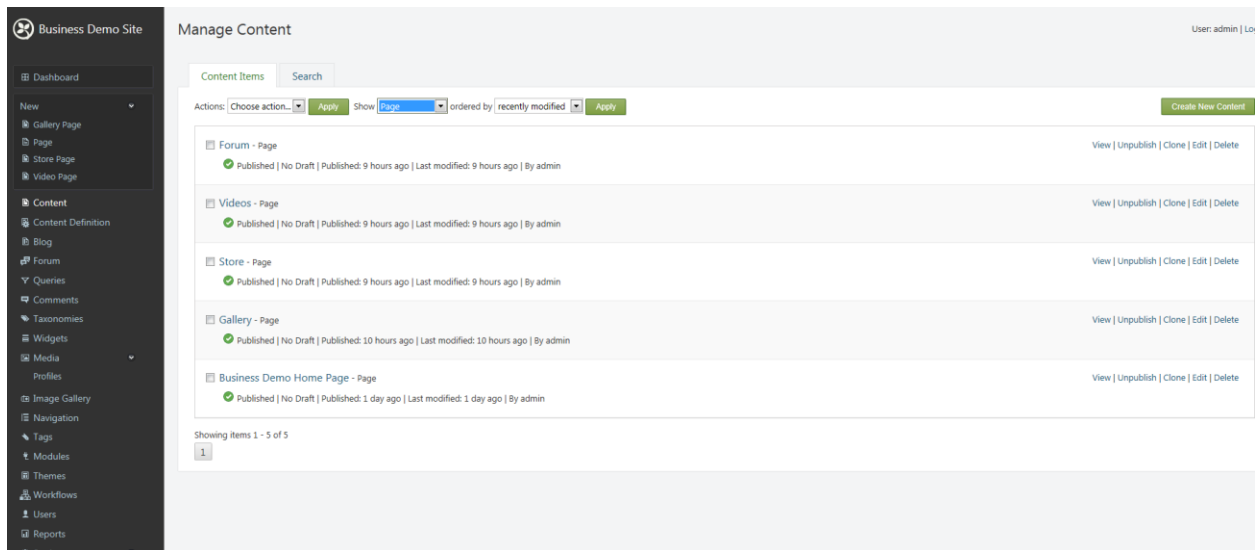
<http://www.magelia.org/Media/Default/Documentation/20120702-Magelia-WebStore-Module-for-Orchard-004.pdf>

For implementation in this environment instead of using the home page as the location of the store use the main store page by creating a store layer instead of using the homepage layer. Any additional pages created product, basket etc. use the store page subtype.

Note that the Paypal step requires you have a Paypal business account setup.

6. Adding Content Pages:

Now that the site is essentially setup the user will want to add content pages.

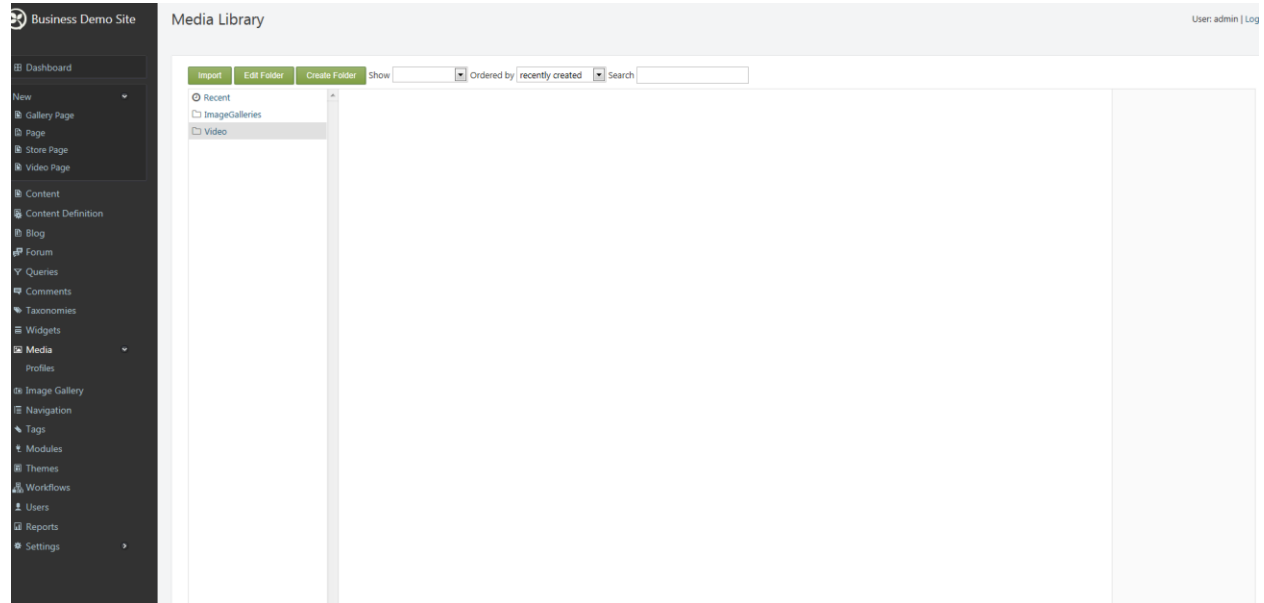


The screenshot displays the 'Manage Content' interface for a 'Business Demo Site'. On the left is a dark sidebar with a navigation menu including 'Dashboard', 'New' (with sub-items: Gallery Page, Page, Store Page, Video Page), 'Content', 'Content Definition', 'Blog', 'Forum', 'Queries', 'Comments', 'Taxonomies', 'Widgets', 'Media' (with sub-items: Profiles), 'Image Gallery', 'Navigation', 'Tags', 'Modules', 'Themes', 'Workflows', 'Users', and 'Reports'. The main content area is titled 'Manage Content' and shows a table of content items. At the top right of the main area, it says 'User: admin | Lo'. Below the title are tabs for 'Content Items' and 'Search'. An actions bar includes 'Choose action...', 'Apply', 'Show Page', 'ordered by recently modified', and 'Apply', along with a 'Create New Content' button. The table lists five items, all marked as 'Published' with a green checkmark. Each item has a 'View | Unpublish | Clone | Edit | Delete' link set on the right. The items are: 'Forum - Page' (published 9 hours ago), 'Videos - Page' (published 9 hours ago), 'Store - Page' (published 9 hours ago), 'Gallery - Page' (published 10 hours ago), and 'Business Demo Home Page - Page' (published 1 day ago). At the bottom of the table, it says 'Showing items 1 - 5 of 5' and a pagination control shows '1'.

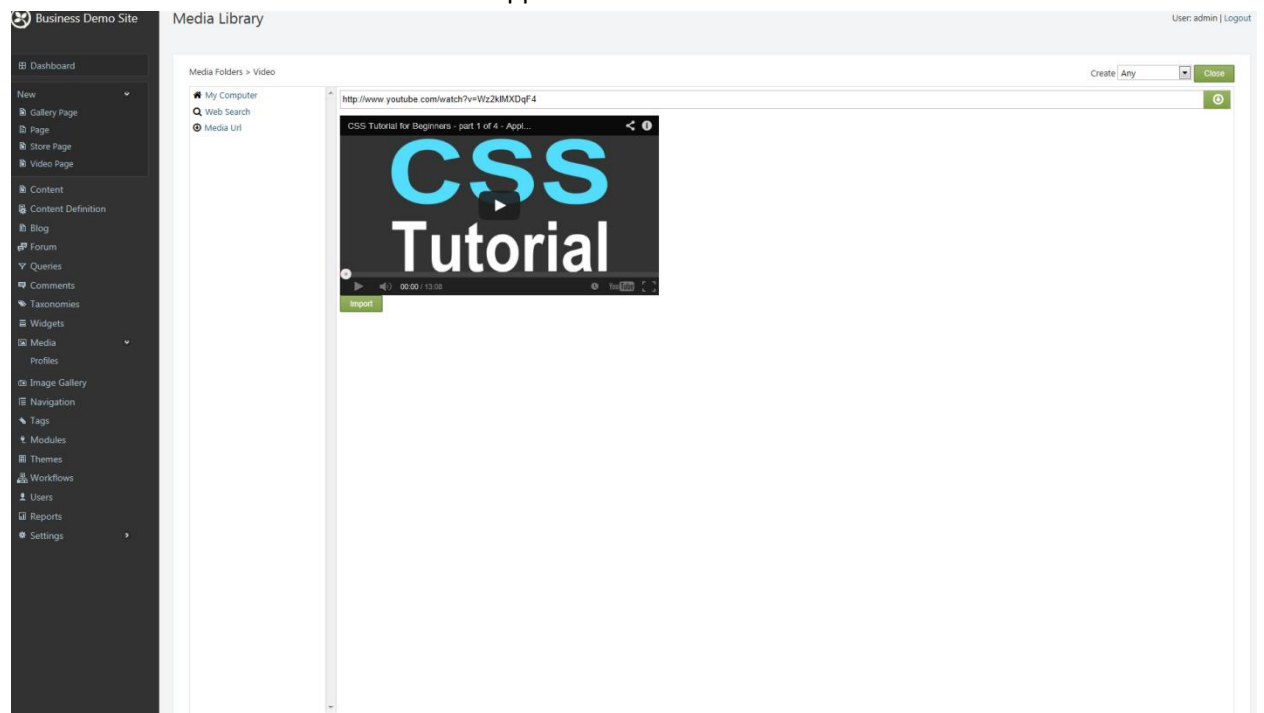
Content Item	Status	Published	Last Modified	By	Actions
Forum - Page	Published	9 hours ago	9 hours ago	By admin	View Unpublish Clone Edit Delete
Videos - Page	Published	9 hours ago	9 hours ago	By admin	View Unpublish Clone Edit Delete
Store - Page	Published	9 hours ago	9 hours ago	By admin	View Unpublish Clone Edit Delete
Gallery - Page	Published	10 hours ago	10 hours ago	By admin	View Unpublish Clone Edit Delete
Business Demo Home Page - Page	Published	1 day ago	1 day ago	By admin	View Unpublish Clone Edit Delete

6.1 Video Page:

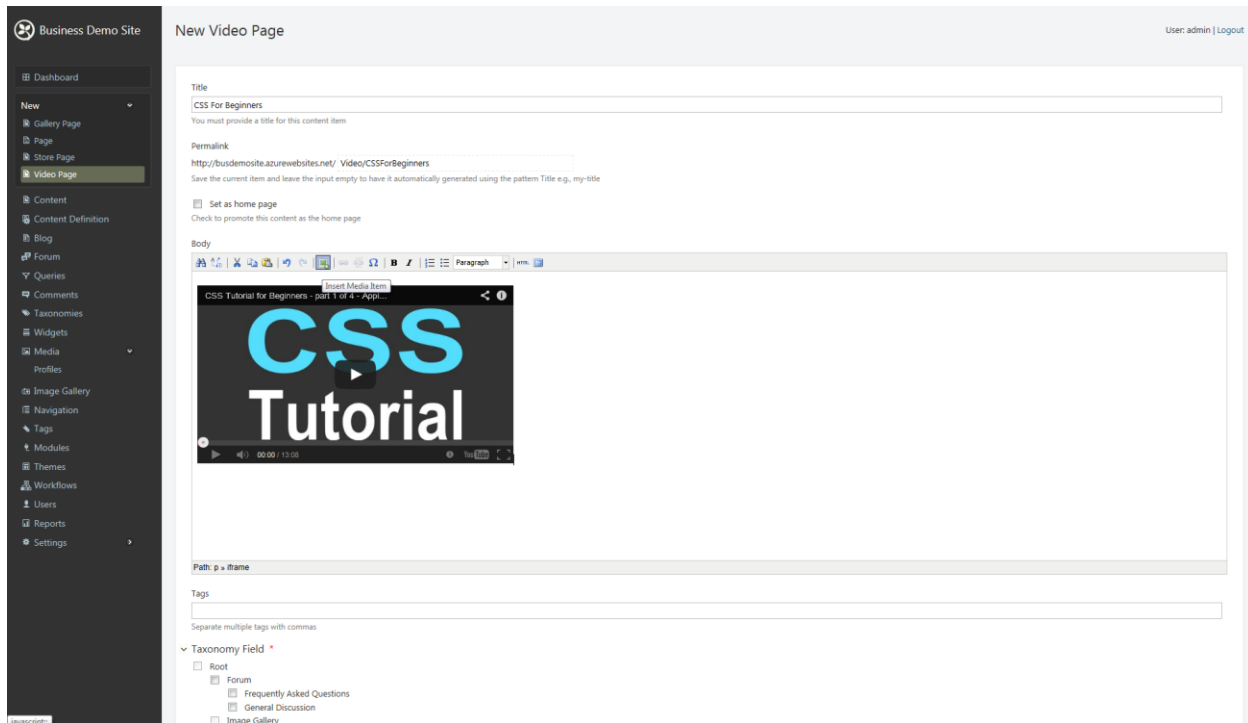
In order to add a video page it is first recommended to have some media. Click the media library tab and create a folder called video. You can create sub folders if necessary. Then click import.



The Url and thumbnail for the video will appear. Hit close.



Then using the dashboard click Video Page under new:



For all video pages make sure in the permalink to always put “video/” in front of the desired url. This will ensure it is governed by the video layers. Click “add media” and select the video you want displayed in the body. It should now be viewable on the video page and through its taxonomy menus. Comments can be added is checked by default.

6.2 Gallery Page:

The gallery page requires the existence of an image gallery to work. To create and image gallery click Image gallery on the dashboard. Name the Image gallery; in this case it will be mountains. Its easiest

upload all images in groups as a zip file. Hit upload.

The screenshot shows the 'Add Images' page in a CMS. On the left is a dark sidebar with a 'Business Demo Site' logo and a navigation menu. The main content area is titled 'Add Images' and includes a user profile 'User: admin | Logout'. Below the title, there is a text box stating 'You can add multiple image files or zip files containing the images.' followed by a file input field containing 'x Mountains.zip' and a 'Browse...' button. Below the input field is an 'Upload' button.

You will then see the gallery populated like so.

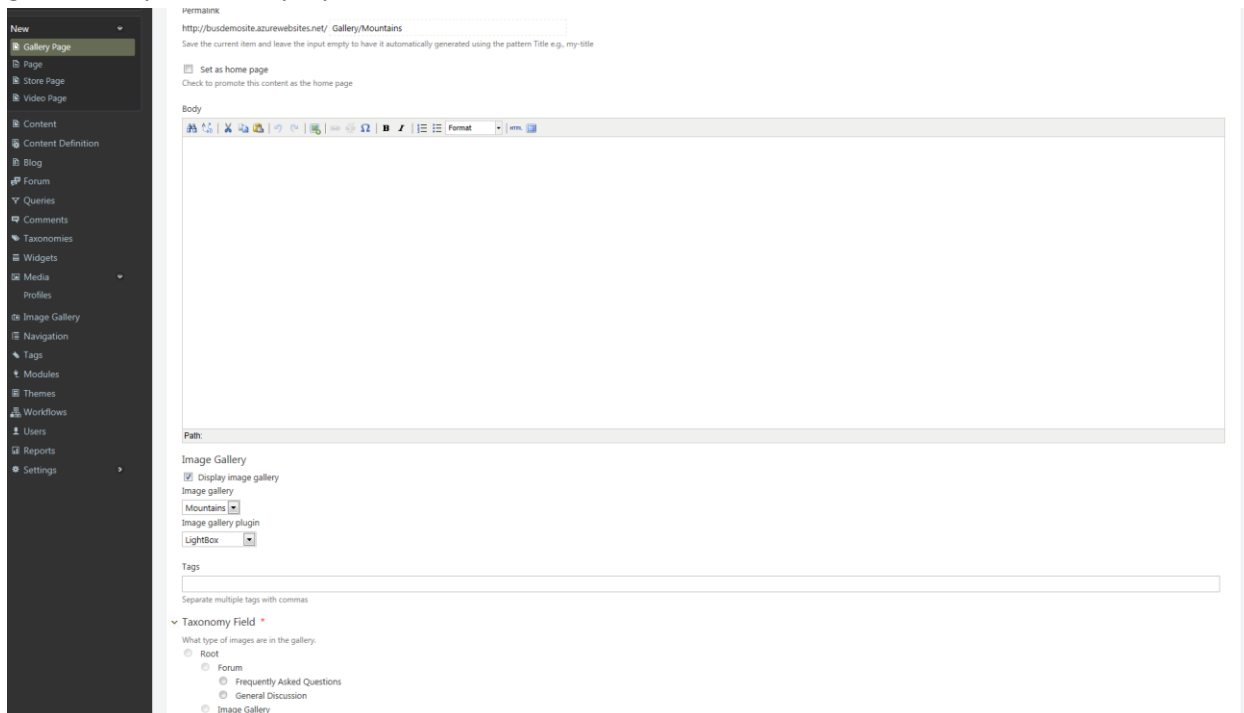
The screenshot shows the 'Manage Image Gallery' page. The sidebar is the same as in the previous screenshot. The main content area is titled 'Manage Image Gallery' and includes 'User: admin | Logout'. Below the title, there is a section for the gallery named 'Mountains'. At the top right of this section are two buttons: 'Image Gallery Properties' and 'Add images'. Below these buttons is a table with the following data:

i	Name	Author	Last Updated	Size	Title
...	Mountain7.jpg		12/4/2013 5:24:50 PM	9 KB	
...	Mountain8.jpg		12/4/2013 5:24:50 PM	1.3 MB	
...	Mountains1.jpg		12/4/2013 5:24:50 PM	11 KB	
...	Mountains2.jpg		12/4/2013 5:24:50 PM	7 KB	
...	Mountains3.jpg		12/4/2013 5:24:51 PM	236 KB	
...	Mountains4.jpg		12/4/2013 5:24:51 PM	9 KB	
...	Mountains5.jpg		12/4/2013 5:24:51 PM	7 KB	
...	Mountains6.jpg		12/4/2013 5:24:51 PM	381 KB	

At the bottom left of the table area is a 'Back' button.

Now click Gallery Page under new on the dashboard. Make sure to choose and check to display an image gallery on the page. Remember that all permalinks have "Gallery/" in front of the desired url so they are

governed by the Gallery layers.



Make sure display image gallery is checked with the appropriate gallery selected. Also, make sure the appropriate taxonomy field is selected. Comments can be added is checked by default.

6.3 Forum Page:

The forum is a page created by the forums module displayed on the forum page. To create forums click the forum button on the dashboard. Notice the url must begin with “forum/” to be governed under the

forum layers.

Business Demo Site
User: admin | Logout

- Dashboard
- New
 - Gallery Page
 - Page
 - Store Page
 - Video Page
- Content
 - Content Definition
 - Blog
 - Forum
 - Queries
 - Comments
 - Taxonomies
 - Widgets
 - Media
 - Profiles
 - Image Gallery
 - Navigation
 - Tags
 - Modules
 - Themes
 - Workflows
 - Users
 - Reports
 - Settings

New Forum

Title

You must provide a title for this content item

Permalink

Save the current item and leave the input empty to have it automatically generated using the pattern Title e.g., my-forum

Set as home page
Check to promote this content as the home page

Description

Weight

If specified, will be used to sort forums

Taxonomy Field

The Category of the forum.

- Root
 - Forum
 - Frequently Asked Questions
 - General Discussion
 - Image Gallery
 - Backgrounds
 - Forests
 - Mountains
 - Objects
 - Lawn
 - Tools
 - Video
 - Misc
 - Tutorial
 - CSS
 - HTML
- Show on a menu

Owner

Permission	Allow	Effective
Edit Gallery Page	<input type="checkbox"/>	<input type="checkbox"/>
Delete Gallery Page for others	<input type="checkbox"/>	<input type="checkbox"/>
Delete Gallery Page	<input type="checkbox"/>	<input type="checkbox"/>
View Gallery Page by others	<input type="checkbox"/>	<input checked="" type="checkbox"/>
View own Gallery Page	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Video Page		
Permission	Allow	Effective
Publish or unpublish Video Page for others	<input type="checkbox"/>	<input type="checkbox"/>
Publish or unpublish Video Page	<input type="checkbox"/>	<input type="checkbox"/>
Edit Video Page for others	<input type="checkbox"/>	<input type="checkbox"/>
Edit Video Page	<input type="checkbox"/>	<input type="checkbox"/>
Delete Video Page for others	<input type="checkbox"/>	<input type="checkbox"/>
Delete Video Page	<input type="checkbox"/>	<input type="checkbox"/>
View Video Page by others	<input type="checkbox"/>	<input checked="" type="checkbox"/>
View own Video Page	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Contents Feature		
Permission	Allow	Effective
Edit own content	<input type="checkbox"/>	<input type="checkbox"/>
Edit content for others	<input type="checkbox"/>	<input type="checkbox"/>
Publish or unpublish own content	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Publish or unpublish content for others	<input type="checkbox"/>	<input type="checkbox"/>
Delete own content	<input type="checkbox"/>	<input type="checkbox"/>
Delete content for others	<input type="checkbox"/>	<input type="checkbox"/>
View all content	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
View own content	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Orchard.Comments Feature		
Permission	Allow	Effective

7. Magelia Dashboard User guide:

This is already prefabricated documentation is available at this link:

<http://www.magelia.org/resources/introduction-to-magelia-webstore>

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