

Sitecore 10 Training – Day 2

By Surendra Sharma

MODULE 3 - Data for Blog Website

Creating “Article” Template

- ▶ Blog Article Section
 - ▶ BlogId - Single-Line Text
 - ▶ Title - Single-Line Text
 - ▶ Description - Rich Text
 - ▶ Author - Single-Line Text
 - ▶ PostedDate - Date
 - ▶ BlogImage - Image
 - ▶ AuthorWikiLink - General Link

Items and the Content Tree

Items

- Everything in Sitecore is an *item*
- An item is a *unit of content*, not a page
- Items are *not* files
- Each item has a *GUID* (Global Unique Identifier)

Content Tree

- Items are represented in a hierarchical structure called the *Content tree*
- Sitecore *interfaces* display all or part of the Content tree

URLs

- Some items are addressable via a *URL*
- URL maps to *position* in tree

The screenshot shows the Sitecore user interface. On the left is the 'Content Tree' (Navigation pane) showing a hierarchy: 'sitecore' > 'Content' > 'Home' > 'Demo' > 'Motorola'. The 'Motorola' folder is expanded, and the 'WuhanVirus' item is selected and highlighted with a red rectangle. Below the tree are links for 'Forms', 'Layout', and 'Media Library'. On the right is the 'Item Details' view for the 'WuhanVirus' item. It features a 'Quick Info' section with the following details:

Item ID:	{3AFF139F-27FF-47E7-ABA0-266F9813C153}
Item name:	WuhanVirus
Item path:	/sitecore/content/Home/Motorola/WuhanVirus
Template:	/sitecore/templates/Motorola/Article - {D9E67664-C917-457E-9AB3-8FC9DB149341}
Created from:	[unknown]
Item owner:	sitecore\admin

Standard Values

- ▶ Name is “__Standard Values”
- ▶ Always child of template item
- ▶ Standard values provide **initial values** for all items based on a given data template.
- ▶ **Default Static Field Value**
- ▶ **Layout Details:** Specify presentation components and rendering to apply to the item for various devices
- ▶ **Insert Options:** Control the types of items that users can insert items associated with that data template
- ▶ **Initial Workflow:** Specifies the default publishing workflow for items of that type

The screenshot displays the Sitecore Content Editor interface. On the left, the 'Content' tree shows the hierarchy: sitecore > Content > Layout > Media Library > System > Templates > Article > Article Data Section > __Standard Values. The right pane shows the details for the selected '__Standard Values' item.

__Standard Values

Quick Info

Item ID:	{95165303-2275-43A0-9643-673BB1A969CC}
Item name:	__Standard Values
Item path:	/sitecore/templates/Motorola/Article/__Standard Values
Template:	/sitecore/templates/Motorola/Article - {D9E67664-C917-457E-9AB3-8FC9DB149341}
Created from:	[unknown]
Item owner:	sitecore\admin

Article Data Section

BlogId:

Title:

Tokens

- ▶ Use to generate dynamic values
- ▶ Enter a token in the field on the standard values and then it will be replaced with an other value when the item is created.
 - ▶ **\$name**: The name for the new item entered by the user
 - ▶ **\$id**: The ID of the new item
 - ▶ **\$parentid**: The ID of the parent of the new item
 - ▶ **\$parentname**: The name of the parent of the new item
 - ▶ **\$date**: The system date in yyyyMMdd format
 - ▶ **\$time**: The system time in HHmmss format
 - ▶ **\$now**: The system date and time in yyyyMMddTHHmmss format

Layouts

- ▶ Provide the outermost HTML structure of a page.
- ▶ There is one layout (per device) per page.
- ▶ Apply to WebForms (.aspx) and MVC (.cshtml)
- ▶ Create Layout definition item in Sitecore and Set “Path” field to relative path of aspx page (WebForms) or cshtml file (MVC).

The screenshot shows the Sitecore user interface. On the left, the 'Layouts' folder is expanded, showing a tree structure with folders like 'Feature', 'Foundation', 'Motorola', 'Project', 'Sample Layout', 'Modules', 'System', 'Models', 'Placeholder Settings', 'Renderings', and 'Sublayouts'. The 'DefaultLayout' item is selected under the 'Motorola' folder. On the right, the 'DefaultLayout' item is selected, and the 'Quick Info' and 'Data' tabs are visible. The 'Quick Info' tab shows the following details:

Quick Info	
Item ID:	{1DC1F4D2-B690-4FDA-8A84-272B544C2989}
Item name:	DefaultLayout
Item path:	/sitecore/layout/Layouts/Motorola/DefaultLayout
Template:	/sitecore/templates/System/Layout/Layout - {3A45A723-64EE-4919-9D41-02FD40FD1466}
Created from:	[unknown]
Item owner:	sitecore\Admin

The 'Data' tab shows the 'Path [shared]' field with the value: /Views/Motorola/DefaultLayout.cshtml

Renderings

- ▶ Provide inner HTML structure to a component or structuring element of a page.
- ▶ Can be used with XSLT OR MVC
- ▶ Sitecore MVC uses the following rendering sub-types:
 - ▶ Controller rendering
 - ▶ View rendering
- ▶ Create Rendering definition item in Sitecore and Set “Path” field to relative path of cshtml file (MVC).

The screenshot displays the Sitecore Content Editor interface. On the left, the 'Navigation' pane shows a tree structure of the site hierarchy. The 'Renderings' folder is expanded, and the 'Header' item is selected. The right pane shows the 'Properties' of the 'Header' item.

Navigation Pane:

- sitecore
 - Content
 - Forms
 - Layout
 - Controllers
 - Devices
 - Layouts
 - Models
 - Placeholder Settings
 - Renderings
 - Feature
 - Foundation
 - Motorola
 - ArticleDetail
 - Footer
 - Header (selected)
 - Search
 - Project

Header Item Properties:

Quick Info	
Item ID:	{949A45CA-AC4E-404A-934E-445913C081B9}
Item name:	Header
Item path:	/sitecore/layout/Renderings/Motorola/Header
Template:	/sitecore/templates/System/Layout/Renderings/View rendering - {99F8905D-4A87-4EB8-9F8B-A9BEBFB3ADD6}
Created from:	[unknown]
Item owner:	sitecore\Admin

Data
Path [shared]:
<input type="text" value="/Views/Motorola/Header.cshtml"/>

Placeholders

- ▶ Sitecore Placeholder is a place where you can add your components.
- ▶ The argument `some_thing` in `@Html.Sitecore().Placeholder("some_thing")` is the name of the placeholder.
- ▶ You can have multiple placeholders on your page. When you add a component to a page, you tell Sitecore "Put it in placeholder `some_thing`" and that's how Sitecore knows where to place it.

The background features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green, creating a modern, layered effect on the right side of the slide.

Demo

Sample layout and rendering creation in
Sitecore

The background features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green, creating a modern and dynamic visual effect.

Demo Experience Manager and design

Publishing and the Sitecore Databases

- Sitecore *Publishes* items from the *Master* to the *Web* database



Types of Publishing

- ▶ Publishing is a process which will help you to copy updated items from master database to web database.
- ▶ **Republish**
 - ▶ It will publish every item no matter whether it is changed or not. It is intended to be used when you are publishing a new site first time. This is most time consuming publishing method as it blindly publish all items.
- ▶ **Smart Publish**
 - ▶ This method works smartly by comparing each item in the master database with the item in web database. Sitecore maintains revision number for each item which gets changed whenever the item gets updated. By comparing this revision number with web database, it will create a list of updated items changes and will publish only those items changes. Even though this method is comparing each item, it is much faster than republish method.
- ▶ **Incremental Publish**
 - ▶ Every time an item is changed, it is added to the publishing queue. This applies both to changes made through the Sitecore user interface and changes made programmatically. Doing an incremental publish will only publish the items in the publishing queue. Therefore only items that has been changed will be published and Sitecore does not have to do any comparisons to figure out which items has been changed. This way of publishing is therefore by far the fastest. Republish and smart publish do not use the publishing queue.
It refers “PublishQueue” table in Master Database for this operation.

The background features abstract, overlapping green geometric shapes in various shades of green, primarily concentrated on the right side of the slide. The text is centered on a white background.

Demo

Package Designer and Installation Wizard

The background features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green, creating a modern, layered effect on the right side of the slide.

Demo

Multi-language

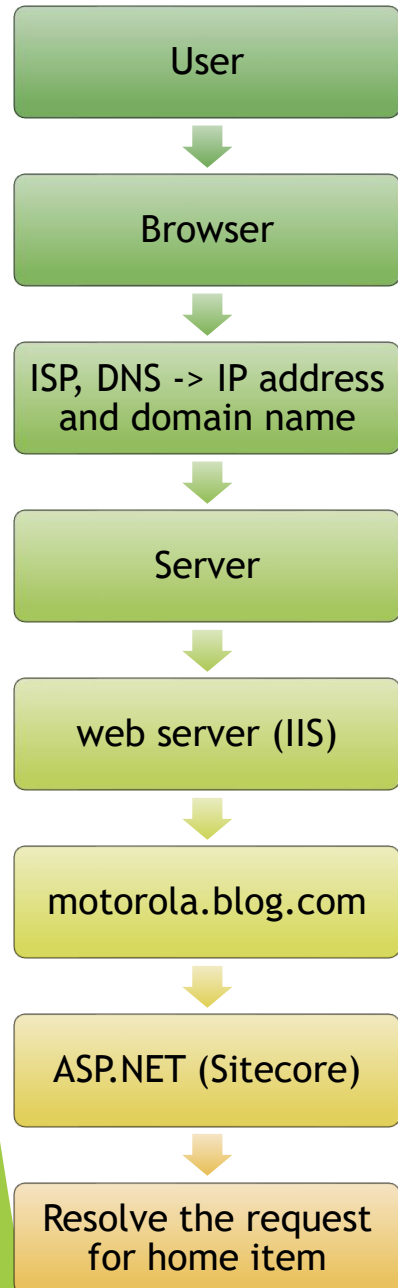
MODULE 4 - Configuration

The background features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green, creating a modern, layered effect on the right side of the slide.

Demo

Configurations and Config Patches

Multisite



- ▶ Create different Home item for each site
- ▶ Create different bindings in IIS
- ▶ Add host name entries in hosts.config file
- ▶ Create a patch file as zsite.config

```
<configuration xmlns:patch="http://www.sitecore.net/xmlconfig/"
xmlns:set="http://www.sitecore.net/xmlconfig/set/"
xmlns:role="http://www.sitecore.net/xmlconfig/role/">

  <sitecore>

    <sites>

      <site patch:before="site[@name='website']"
        inherits="website"
        name="Motorolablogsite"
        hostName="motorola.blog.com"
        rootPath="/sitecore/content/MotorolaBlog"
        startItem="/home" database="web" />

    </sites>

  </sitecore>

</configuration>
```

The background features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green, creating a modern and dynamic visual effect.

Demo

Multi-site implementation

Youtube videos links for Sitecore basics

- ▶ Insert Options in Sitecore - https://www.youtube.com/watch?v=358myfE4o_E
- ▶ Standard Values in Sitecore - https://www.youtube.com/watch?v=y_w34Pfksb4
- ▶ Standard Values Tokens in Sitecore - <https://www.youtube.com/watch?v=GR7MiEaozI0>
- ▶ Help Texts in Sitecore - <https://www.youtube.com/watch?v=dbow4buJa40>
- ▶ Layout in Sitecore - <https://www.youtube.com/watch?v=aCE9LeKGtwo>
- ▶ Raw Values in Sitecore - <https://www.youtube.com/watch?v=UE1LTrHrWoe>
- ▶ Custom Field Validator in Sitecore - <https://www.youtube.com/watch?v=S44aDlhiEw4>

Creating “Article” Template

► Blog Article Section

- BlogId - Single-Line Text
- Title - Single-Line Text
- Description - Rich Text
- Author - Single-Line Text
- PostedDate - Date
- BlogImage - Image
- AuthorWikiLink - General Link

Create few article content items - **Contact Us** and **Thank You** Article.

`<marquee>hello</marquee>`

Creating “MetaDetail” Template

► Meta Details Section

- MetaDescription - Multi-Line Text
- MetaKeywords - Multi-Line Text