



Developer Foundation
Course

Module 2: Workbook

Sitecore Versions: 8.0, 8.1, 8.2



MODULE 2: Building the Site's Data Infrastructure

By the end of this module, you will be able to:

- Describe the templates building blocks.
- Name the field types and their purpose.
- Give examples of how you use source fields.
- Identify when you need to use template inheritance.
- Apply template inheritance to new and existing templates.
- List what you should consider when you apply inheritance to templates.
- Describe the purpose of the Standard template.
- Use the Template Manager to build and configure a site infrastructure.
- State the importance of setting up icons on templates.

Template building blocks



Now that Dan has created HTML templates, he and Peter look at the template building blocks in Sitecore: *field sections*, *fields*, and *field types*. Together Dan and Peter will conduct a data analysis on the HTML templates. Dan takes out a pen and paper and sketches out a schema for each template and their matching field sections and types.

When Dan and Peter agree on the schema, Peter will implement it into Sitecore using the Template Manager.

Lab 2.1: Creating Data Templates

In this lab, you will create some of the necessary templates to store the content for the site. You will start by creating a new folder where to store all your templates. You will then create a few templates.

Create a Template Folder

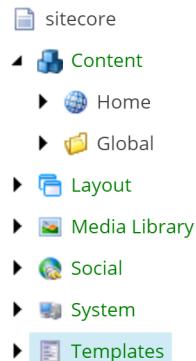
1. In a browser navigate to <http://jobs.tac.local/sitecore>.
2. Log in to Sitecore as admin using the default credentials.

User name: admin

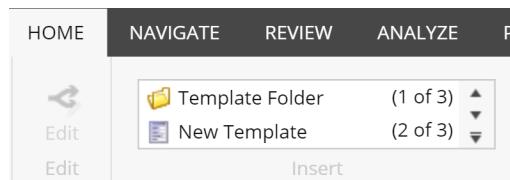
Password: b

3. On the Launchpad, select Content Editor .

4. Select **/sitecore/templates** in the content tree.



5. On the **Home** tab, in the **Insert** group, click the **Template Folder**.

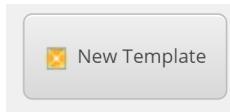


6. In the dialog box, enter the text **Jobs** and click **OK**.

NOTE: It is best practice to put all your templates in a custom folder because this allows you to separate them by project or function.

Creating templates

1. Click the **New Template** button.

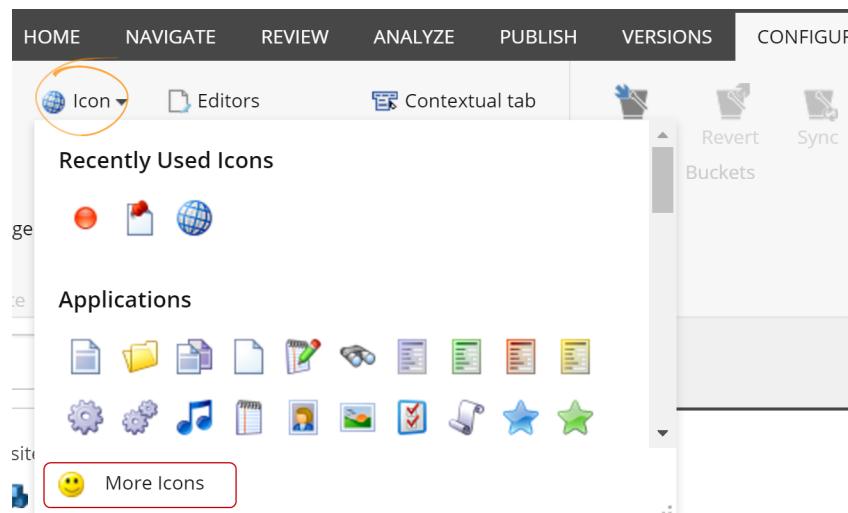


2. Name the template **Site** and click **Next**.
3. Confirm the location of the template inside the **Jobs** folder. Click **Next** and then **Close**.
4. Click the **Add new section** textbox and type **Content**.
5. Click the **Add new field** textbox and type **Heading**.
6. Click the **Add new field** and then type **Intro**.
7. On the **Type** drop-down menu, select **Multi-Line Text**.
8. Click the **Save** button on the **Home** tab of the toolbar.

You can also just press **Ctrl+S** to save your changes in the Content Editor

You have now created a Sitecore template with two fields. Your screen should look like this:

9. You now need to set an icon for the template. On the **Configure** tab, **Appearance** group, use the **Icon** drop-down menu and select **More Icons**.



10. In the **Icon** textbox at the bottom of the dialog, type: *Network/32x32/environment.png*. Click **OK** to close the dialog.

Create the Other templates

Now you will repeat the steps you just performed to create the following templates:

Template Name	Field Section and Fields	Icon
GenericPage	Content <ul style="list-style-type: none"> Heading - Single-Line Text Intro - Multi-Line Text Description - Rich Text 	Applications/16x16/document_plain.png
JobDetails	Content <ul style="list-style-type: none"> Heading - Single-Line Text Intro - Multi-Line Text Description - Rich Text Image - Image Job information <ul style="list-style-type: none"> Requirements - Rich Text Location - Dropdown Hours - Dropdown Job Type - Dropdown 	Applications/32x32/document_pinned.png
Footer	Data <ul style="list-style-type: none"> Main item - Dropdown Copyright - Multi-Line Text Other links - Multilist 	Applications/32x32/selection_down.png

STOP HERE

Template Inheritance



Emma realizes that there is an inheritance model in the templates and that some fields are duplicated across different templates. She starts to investigate if there is a way to clean this up and reuse the fields across data templates.

Lab 2.2: Clean Our Templates

Now that you know about template inheritance, you need to clean up your template design to avoid redundant fields.

Create base templates

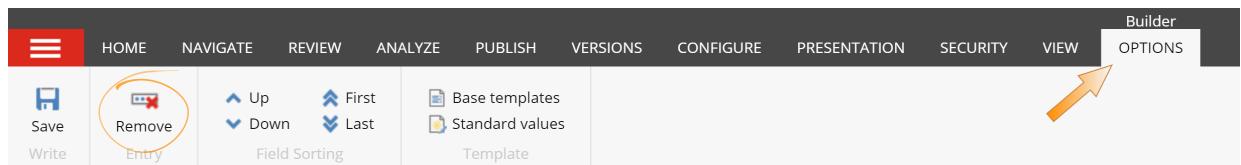
1. Using the Content Editor, select the `/sitecore/templates/Jobs` folder you created in the earlier lab.
2. Create a new template named `_Base Page`.
3. Add a field section called `Content` on the `Builder tab`.
4. Add the following fields:
 - **Heading** - Single-Line Text
 - **Intro** - Multi-Line Text
5. **Save** your work pressing **Ctrl+S**.
6. Create another template named `_Base Image`.
7. Create a field section called `Content` and add a field named `Image` of type **Image**.
8. **Save** your work.

9. Create a new template named `_Base Description`.
10. Create a field section `Content` and add a field named `Description` of type **Rich Text**.
11. **Save** your work.

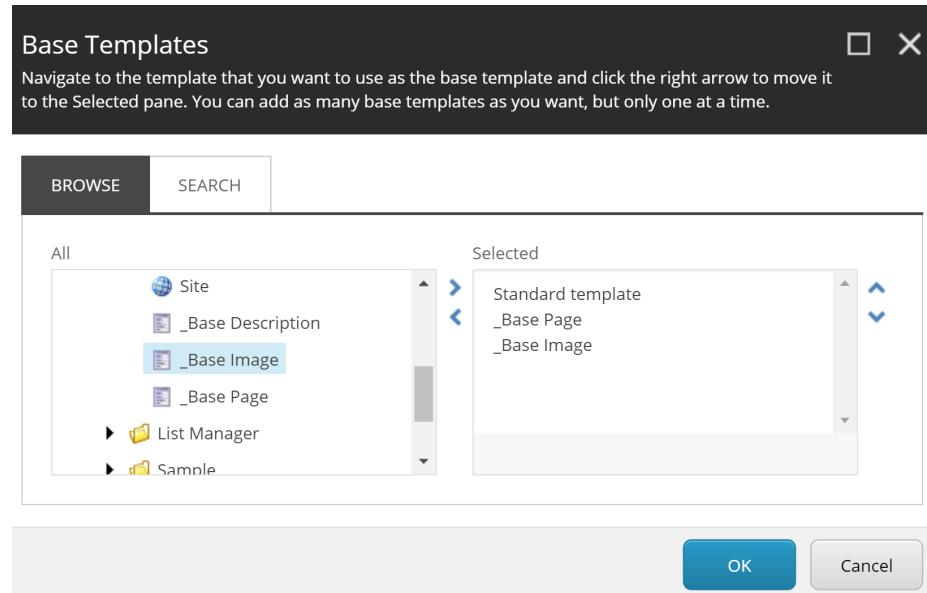
Add inheritance to the existing templates

Remove the duplicated fields you created earlier and instead make the templates inherit from the base templates that you just created.

1. Select the template **Site**.
2. Select the **Builder tab**.
3. On the **Builder Options** tab, click **Remove**.



4. Click the **Base templates** button in the **Builder Options** tab
5. Expand the tree and double click on the `/sitecore/content/Jobs/_Base Page` template
6. Double click also the `_Base Image` template



7. Click **OK** to close the dialog.
8. Press **Ctrl+S** to save the changes.

You will now have to do the same for the **GenericPage** and **JobDetails** template. Remove the **Content** section from both of them and set the inheritance as follows:

- **GenericPage** - inherits from _Base Page, _Base Description
- **JobDetails** - inherits from _Base Page, _Base Description, _Base Image.

STOP HERE

Questions and Answers

Q1: What should you define in a template?

Q2: What field type would you use to store formatted HTML?

Q3: What happens if you use the same field name in a template that is already used in a base template?

Q4: What is the name of the template all templates should inherit from?

Q5: Why should you avoid defining the same field multiple times in more than one template?

Q6: What would you use the Field source for in the following field types: Image, Rich Text Field, Droplink?

Review

You have just learned the basics about Sitecore templates, including:

- The building blocks of templates.
- The inheritance model of templates.
- Using the Template Manager.