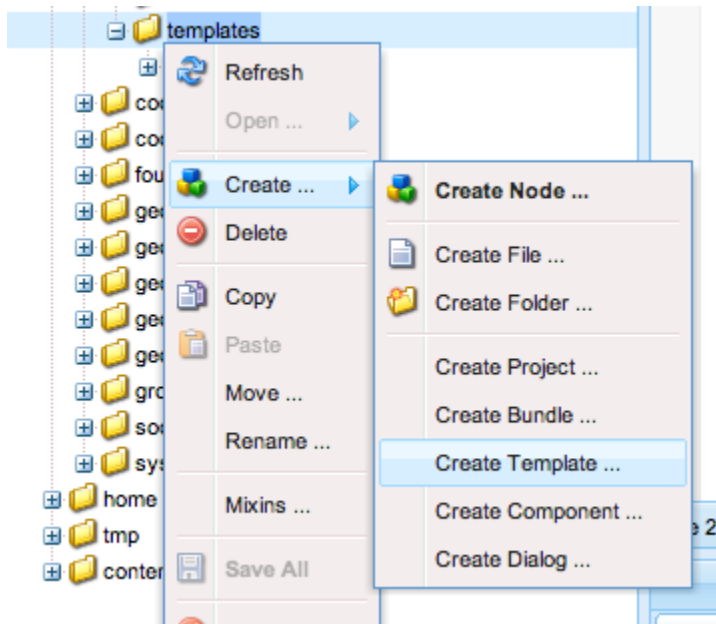


# AEM Template Development

The purpose of this document is to cover the creation of templates within the AEM platform. This document covers the creation of a template, building the page component behind the template and styling templates using designs.

## Creating Templates

To create a templates you will want to use CRXDE Lite to utilize their wizards for creating a template. You will create templates under the template folder of your app. Templates are used to define the page layout and should reflect a unique page layout.



Inside the create template wizard you will need to enter a label, title, resource type, ranking and the allowed paths.

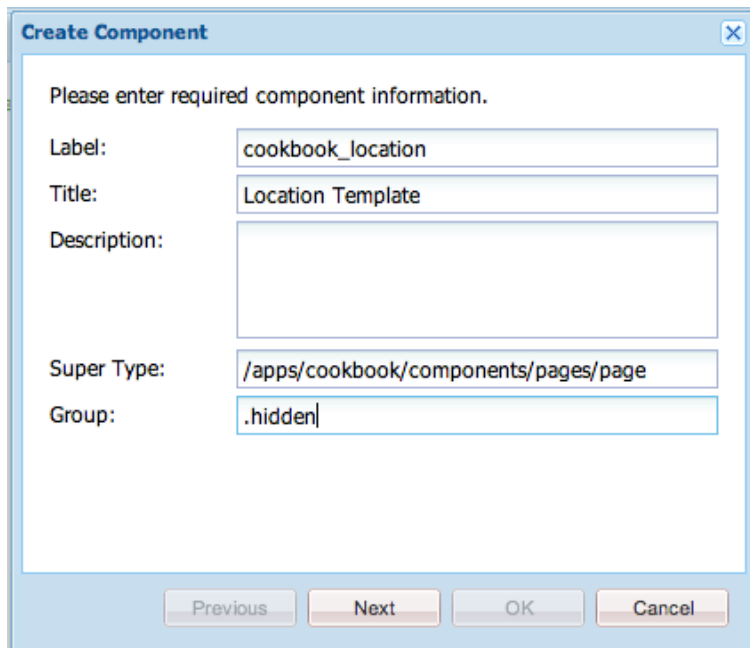
Two screenshots of the 'Create Template' wizard. The left screenshot shows the 'Please enter required template information' step. It has fields for 'Label' (filled with 'cookbook\_location'), 'Title' (filled with 'Location Template'), 'Description' (empty), 'Resource Type' (filled with '/apps/cookbook/components/pages/cookbook\_location'), and 'Ranking' (filled with '100'). At the bottom are 'Previous', 'Next', 'OK', and 'Cancel' buttons. The right screenshot shows the 'Allowed Paths' step. It has a text input field containing '/content/cookbook(/.\*)?' and a '+' button to add more paths. At the bottom are 'Previous', 'Next', 'OK', and 'Cancel' buttons.

The label is the name of the node, the title is the template name displayed when a user creates a new page, resource type is the path to the page component, ranking is the order position inside the create page wizard and allowed path specifies where the template can be used.

A template by itself is just metadata and the page component is the actual code behind the template. The resource type property specifies the path to the code behind the template.

## Creating Page Components

Creating a page component is uses the same create component wizard in CRXDE Lite except we will enter different metadata about the component. For a page component we will specify the Supertype to the `/apps/cookbook/components/pages/page` component in our application. This will allow us to inherit the header, footer and body jsps from page. Our template will override the `content.jsp` from page. Since we do not want this component to show up in the Sidekick we will utilize the group `.hidden` to hide the component. All other fields in the wizard can be defaulted.



**Create Component**

Please enter required component information.

Label:

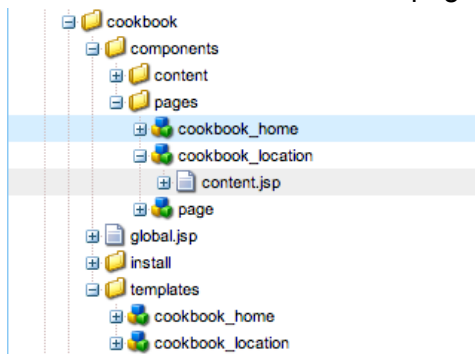
Title:

Description:

Super Type:

Group:

After creating the page component we will need to rename the jsp created to `content.jsp` so that our content is included when a page is created.



Now when you create a page in the AEM author mode you should see your component inside the dialog.

**Create Page**

Title \*

Name

**Cookbook Home Page Template**  
Cookbook Home Page Template

**Location Template**

**Form Template**  
Allows to create custom plain forms for editing resources.

**Form Template**  
Allows to create custom plain forms for editing resources.

Create Cancel

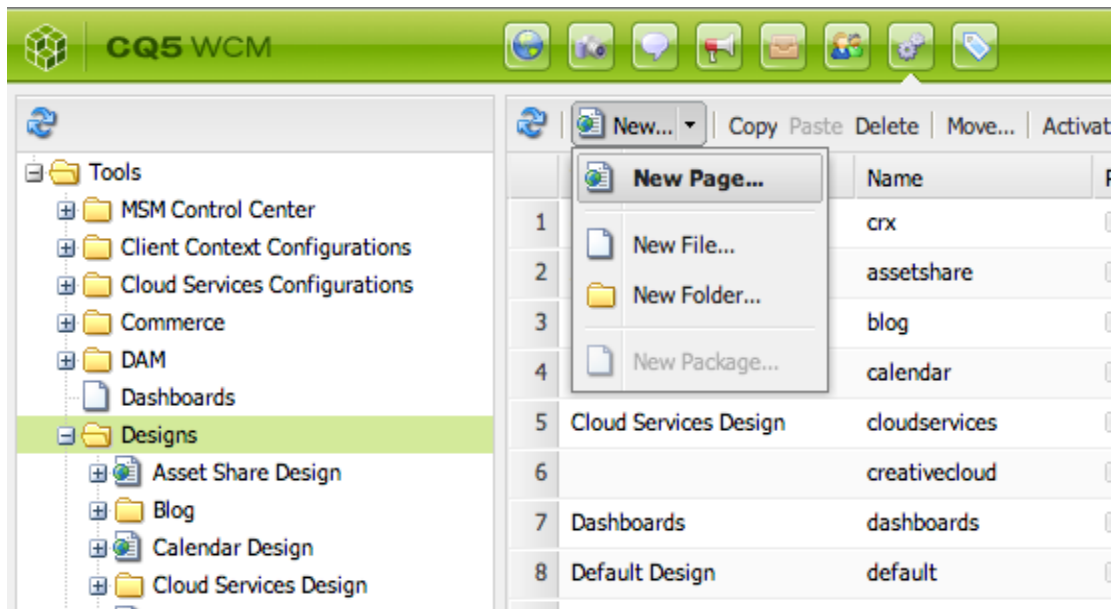
## Designs

The design section of AEM are accessible from the Tools tab in the Authoring console. The designs are used to create a global style section for a website. Designs have a clientlibs section similar to components except design clientlibs are exposed in the publish and dispatcher instances.

### Creating a Design

To create a new design, navigate to the Tools page. In the left nav, highlight the Designs folder then click New and select New Page. This will display the Create Page dialog that will allow you to enter a Title and Name for your design and apply the Design Page Template. Under the design node you can create a clientlibs structure for CSS, javascript, fonts and images that will be associated to the design.

Tools page:



Create Page dialog:

The 'Create Page' dialog box has a title bar with a close button. It contains two input fields: 'Title' (with a red asterisk and a red dashed border) and 'Name'. Below these is a large area labeled 'Design Page Template'. At the bottom are 'Create' and 'Cancel' buttons.

Link template to Design

To apply a design to a specific template you need to add the property cq:designPath to the template properties.

Properties						
Access Control						
Replication						
Console						
Build Info						
	Name ▲	Type	Value	Protected	Mandatory	Multiple
1	cq:designPath	String	/etc/designs/cookbook/cookbookdesign	false	false	false
2	jcr:created	Date	2013-10-07T00:58:32.225-05:00	true	false	false
3	jcr:createdBy	String	admin	true	false	false
4	jcr:primaryType	Name	cq:PageContent	true	true	false
5	sling:resourceType	String	/apps/cookbook/components/pages/cookb... <a href="#">Ⓜ</a>	false	false	false

Name	<input type="text"/>	Type	String	▼	Value	<input type="text"/>	Multi	<input type="button" value="Add"/>	<input type="button" value="Clear"/>
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### Link page to Design

If you want to apply a design to a specific page structure, you can override the design inside the page properties. The advanced tab inside page properties has a setting for applying a design to a page.

Page Properties of /content/cookbook/en/sample

Basic **Advanced** Image Cloud Services Blueprint Live Copy Related Links

Language  ▼

Redirect  🔍

Design  🔍

Alias

— ☐ Closed User Group

— ☐ Export

OK Cancel

### Embed clientlibs

To enable component clientlibs be accessible on the publisher and dispatcher instances, they need to be embedded into the etc/design clientlibs. To enable this you need to add the embed property to the design clientlibs node with the categories for the component clientlibs.

Properties							
Access Control							
Replication							
Console							
Build Info							
	Name	Type	Value	Protected	Mandatory	Multiple	Auto Created
1	categories	String[]	cq.cookbook	false	false	true	false
2	embed	String[]	cq.cookbook.components	false	false	true	false
3	jcr:created	Date	2013-10-07T01:17:24.024-05:00	true	false	false	true
4	jcr:createdBy	String	admin	true	false	false	true
5	jcr:primaryType	Name	cq:ClientLibraryFolder	true	true	false	true

Name

TypeString

Value

Multi

Add

Clear