

## Plone code snippets

### Content types: schema-driven (component.py)

```
StringField(
    name='title',
    widget=StringWidget(
        label="Title",
    ),
    required=1,
    accessor="Title",
    searchable=1
),

TextField(
    name='Text',
    allowable_content_types=('text/plain', 'text/structured', 'text/html', 'application/msword'),
    widget=RichWidget(
        label="Text",
    ),
    default_output_type='text/html'
),
```

### Presentation logic: Python script (getComponentsByType.py)

```
##parameters=component_type=''
##title>Returns components for a page by component type
"""Script to return components by type, returns full component objects
"""

components = context.computeRelatedItems(portal_type='component')

if component_type:
    return [item for item in components if item.getType() == component_type]
else:
    return components
```

### View: Zope Page Template (article\_view.pt)

```
<div class="wrapper" tal:repeat="comp context/getComponentsByType">
  <h2 tal:content="comp/Title">Section title</h2>
  <p tal:replace="structure comp/getText">HTML-formatted main content goes here</p>
</div>
```

## Further Information

plone.org

Definitive Guide to Plone

Dive into Python

Links at [www.roddis.org/plone](http://www.roddis.org/plone)

## Default Plone CMS:

The screenshot shows the Plone CMS interface for editing an icon. The page title is 'Edit Icon'. The main content area is titled 'The Routemaster Bus'. Below the title is a 'Description' field containing the text: 'Since the first appearance of the Routemaster bus in the 1950s, its double-decker design has been adopted and adapted for buses in cities around the country - and world.' Below the description is a 'Body Text' field with a rich text editor toolbar. The body text contains: 'Explore the story of this design and its development, as well as the symbolic value the red double-decker has come to hold for Londoners and tourists. Routemaster double-deckers have become famous the world over through their appearances in countless films and books. Routemasters that have come to the end of their working life have been converted into tour buses, party venues... even estate agents! The end of 2005 saw the last Routemaster buses taken out of service, after almost half a century on London's roads - so what better time to explore their story, and to ask what the future may hold? And other pressing questions, such as "What's the difference between an RT and an RM?"' and a link 'Click here to start exploring'.

## Zope Management Interface (ZMI):

The screenshot shows the Zope Management Interface (ZMI) for the 'Plone Site at /gsgi'. The interface includes a navigation pane on the left with a tree view of the site structure. The main content area displays a table of files and folders. The table has columns for 'Type', 'Name', 'Size', and 'Last Modified'. The files listed include HTTPCache, MailHost (Plone Mail Host), RAMCache, accreditation-inspection-agencies (Accreditation/Inspection Agencies), acl\_users (Group-aware User Folder), archetype\_tool, articles (Articles), caching\_policy\_manager, cmfmember\_control (CMFMember up to date), content\_type\_registry, cookie\_authentication, countries (Countries), curricula (Curricula), editors-docs (Editors' Docs), error\_log, kupu\_library\_tool (Kupu visual editor), links (Links), member\_catalog, mimetypes\_registry (MIME types recognized by Plone), plone\_utils (Various utility methods), portal\_actonicons (Associates actions with icons), portal\_actions (Contains custom tabs and buttons), portal\_atct (ATContentTypes Tool), portal\_calendar (Controls how events are shown), and portal\_catalog (Indexes all content in the site).

Type	Name	Size	Last Modified
Folder	HTTPCache		2006-09-19 18:12
Folder	MailHost (Plone Mail Host)		2006-09-19 18:12
Folder	RAMCache		2006-09-19 18:12
Folder	accreditation-inspection-agencies (Accreditation/Inspection Agencies)	1 Kb	2006-10-03 12:55
Folder	acl_users (Group-aware User Folder)		2006-09-19 18:12
Folder	archetype_tool		2006-09-29 17:09
Folder	articles (Articles)	1 Kb	2006-10-03 12:55
Folder	caching_policy_manager		2006-09-19 18:12
Folder	cmfmember_control (CMFMember up to date)	1 Kb	2006-10-03 14:22
Folder	content_type_registry		2006-09-19 18:12
Folder	cookie_authentication		2006-09-19 18:12
Folder	countries (Countries)	1 Kb	2006-10-03 12:55
Folder	curricula (Curricula)	1 Kb	2006-10-03 12:55
Folder	editors-docs (Editors' Docs)	1 Kb	2006-10-03 12:55
Folder	error_log		2006-10-03 12:49
Folder	kupu_library_tool (Kupu visual editor)		2006-09-19 18:12
Folder	links (Links)	1 Kb	2006-10-02 16:24
Folder	member_catalog		2006-09-19 18:12
Folder	mimetypes_registry (MIME types recognized by Plone)		2006-09-19 18:12
Folder	plone_utils (Various utility methods)		2006-09-19 18:12
Folder	portal_actonicons (Associates actions with icons)		2006-09-19 18:12
Folder	portal_actions (Contains custom tabs and buttons)		2006-09-19 18:12
Folder	portal_atct (ATContentTypes Tool)		2006-09-19 18:12
Folder	portal_calendar (Controls how events are shown)		2006-09-19 18:12
Folder	portal_catalog (Indexes all content in the site)		2006-09-19 18:12