

Web 2.0 網站製造機 - Drupal

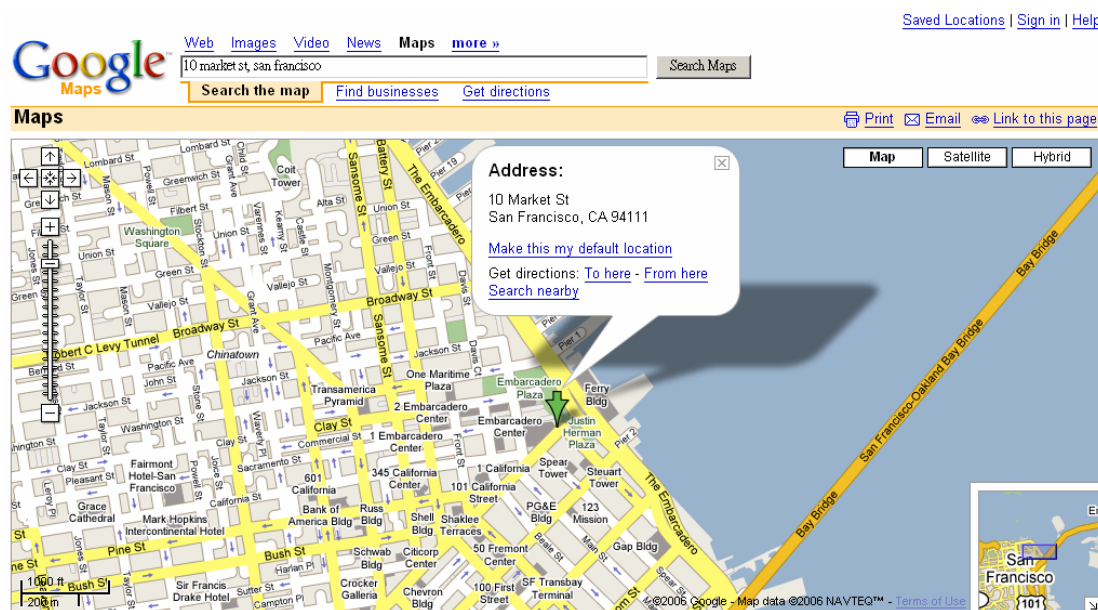
地圖 2.0

概念

網既往路上早期的地圖服務，多數是以 Java Applet 製作，不僅執行速度緩慢，使用介面也不平易近人，與傳統紙本地圖的使用方式差距太大。而在地標/地點的資訊上，僅能由地圖服務業者提供，更新速度緩慢，常常無法符合實際的使用需求。

Google Maps 的出現，完全改變了這狀況。一是 Ajax 技術的使用，讓地圖瀏覽變得直覺好用。二是 API 的開放，讓任何開發人員，都可以使用 Google Maps 進行各種混搭或獨創的運用。國外有許多這類型的網路服務，例如結合政府公開資訊所建置的芝加哥犯罪地圖（chicagocrime.org），以及可讓網友標注地點、分享圖片和影音的 Platial（platial.com），國內也有 MyMap（mymap.yam.com）、休息一夏（qk.gokimo.com）等網站提供類似的服務。

在這個範例裡，我們將以 Drupal 為基礎，運用 Google Maps，建置一個可以將內容與地圖緊密結合的網站。



Google Maps

CHICAGOCRIME.ORG 4200 N
A freely browsable database of crimes reported in Chicago.

Browse by: [Crime type](#) · [Street](#) · [Date](#) · [Police district](#) · [ZIP code](#) · [Ward](#) · [Location](#) · [Route](#) · [City map](#)

Search: **GO**

Case no. HM769330

Primary crime: [Criminal damage](#)

Secondary crime: [Criminal defacement](#)

Location: [Residence: Garage](#)

Address: [5800 S. Newcastle Ave.](#)

ZIP code: [60638](#)

Ward: [Ward 23](#)

Date: [Dec. 11, 2006, 10:30 p.m.](#)

Arrests? No

Domestic? No

Police district: [9 \(Chicago Lawn\)](#)

Police beat: [0811](#)

Map Satellite Hybrid

Map data ©2006 TeleAtlas - [Terms of Use](#)

Important disclaimer: This site is *not* affiliated with the Chicago Police Department. This site uses crime data obtained from the CPD's [Citizen ICAM Web site](#), which is a publicly available database of *reported* crime. Please read the [Citizen ICAM disclaimer](#) to understand the data fully.

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芝加哥犯罪地圖

Yam.com MyMap beta

我要找 ☐ 標題 ☐ 標籤

我的地圖首頁 | [說明](#) | [申請](#) | [最新](#) | [熱門](#)

簡介 地點 標籤 留言

台南市崇學國小
王建民的母校囉。維基百科說：
“王建民生於台灣臺南市，就讀臺南市崇學國小期間，因為不喜歡唸書，在校隊徵選時自願加入棒球隊，婉拒授予職司。”

標籤 王建民

台灣笨味的 **地點 (31)** | [地點收藏](#)

台南市崇學國小

地址：市立崇學國小

經度：120.223719216419

緯度：22.9792821115643

GMS - ERP & MRP
GMS-WorkFlow Control & Alert System
一套以工作流程加預警提示的功能之ERP
www.gms.com.hk

Ads by Goooooogle

人氣(18) 收藏(0) 評價(0) 留言(0) [列印](#) | [分享](#)

合作提案 | 服務條款 | 隱私權政策 | 給我們建議

MyMap

主要模組

GMap

Location

複雜度

◎○○

實做

步驟一 - 利用 GMap 巨集製作地圖

GMap 模組主要是一個 API 模組，讓其他模組可以輕易地在 Drupal 裡產生地圖、標注地點，或是讓網站管理者與使用者利用地圖產生器來製作地圖。

在 GMap 的設定畫面裡，您必須先向 Google Maps 申請一組 API key

(<http://www.google.com/apis/maps/>)，並且設定預設的地圖大小、中心位置、縮放比例、地圖類型等資訊。設定好之後，您就可以利用 GMap 巨集產生器，拖拉地圖、標注地點，然後只需把產生出來的巨集字串，貼到文章裡，就可以在文章內容裡顯示您所製作的地圖了。

**drupal-maps**

edit primary links

charlesc

- build a GMap macro
- create content
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 - **gmap**
 - gmap_location
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Home » administer » settings

gmap

Google Map Initialize

Google map API key:

ABQIAAAAcQ476rd94B2dx2N90lcHRQ-QFGxjA_jelb9e4

Your personal Googlemaps API key. You must get this for each separate website at [Google Map API website](#).

Google map method:

Static

How is the Google Map initialization script run:

Static - Loaded on every page.
Dynamic - Initialization script runs only on pages with google maps, but all pages with the gmap filter will not be cached.
None - Google map initialization script must be loaded some other way.

☐ Enable clusterer.js

Enables Jef Poskanzer's excellent [clusterer.js](#) script. (useful for a large number of markers on a single map). This must be installed in the gmap directory of the drupal install.

☐ Enable wms features

Enables the wms features. This allows you to use overlays that are defined using wms. The wms-gs.js (or other acceptable version) must be installed in the gmap directory.

On Click Marker:

☒ Open info window

☐ Open link

For markers that have link associated with them, it can either an info window or go directly to the link.

Default map settings

Default width:

100%

The default width of a Google map.

Default height:

200px

The default height of a Google map.

Default center:

23.8,120.8

The default longitude, latitude of a Google map.

Default zoom:

6

The default zoom level of a Google map.

Default control type:

Small

Default map type:

Hybrid

Default Line 1 Color:

#00cc00

Default Line 2 Color:

##0000

Default Line 3 Color:

#0000ff

Location settings

Default location map:

[gmap|id=locmap|center=23,8,120.8|zoom=6|width=100%

The gmap macro for the map to be used in the location.module for setting latitude and longitude.

Save configuration

Reset to defaults

GMap 設定畫面

drupal-maps

edit primary links

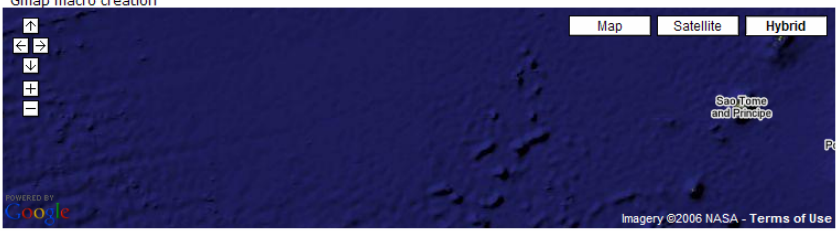
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Home

build a GMap macro

Gmap macro creation



MapSatelliteHybrid

POWERED BY Google

Imagery ©2006 NASA - Terms of Use

Map id attribute:

map

Map type:

Hybrid

Controls:

Small

The Latitude and Longitude of the centre of the map:

0, 0.17578125

Map width:

100%

Map height:

200px

Alignment:

None

What happens when you click on the map:

Points

The current magnification of the map:

6

Macro text:

[gmap |id=map |center=0, 0.17578125 |zoom=6 |width=100% |height=200px |control=Small |type=Hybrid]

巨集產生器

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2005 維基冬聚

view

edit

Submitted by **charlesc** on Sat, 2006-12-09 07:54.

2005年12月10日，台灣維基人在臺北捷運淡水綠竹園站附近的Hugo咖啡廳舉辦了冬季聚會，參加人數有25人。
詳見 [Wikipedia:聚會/2005臺北冬聚報告](#)



> [add new comment](#)

文章/地圖顯示

提示：輸入格式

要讓 Drupal 接受 GMap 巨集、顯示出地圖，您必須先到管理介面裡的【輸入格式】，為預設的輸入格式勾選【GMap filter】。【輸入格式】是 Drupal 內建的模組，可以針對不同的使者角色，提供不同的輸入格式設定，具有過濾惡意 HTML 語法、或是轉換特定格式文字的功能（例如將網址/電子郵件位址自動加上超連結、以及此範例裡將 GMap 巨集轉為地圖語法）。

 drupal-maps

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Home » administrator

input formats

list

add input format

Input formats define a way of processing user-supplied text in Drupal. Every input format has its own settings of which *filters* to apply. Possible filters include stripping out malicious HTML and making URLs clickable.

Users can choose between the available input formats when submitting content.

Below you can configure which input formats are available to which roles, as well as choose a default input format (used for imported content, for example).

Note that (1) the default format is always available to all roles, and (2) all filter formats can always be used by roles with the "administer filters" permission even if they are not explicitly listed in the Roles column of this table.

Default	Name	Roles	Operations
☒	Filtered HTML	All roles may use default format	configure
☐	PHP code	No roles may use this format	configure delete
☐	Full HTML	No roles may use this format	configure delete

Set default format

輸入格式管理

drupal-maps

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Home » administer » input formats

'Filtered HTML' input format

view

configure

rearrange

Every *filter* performs one particular change on the user input, for example stripping out malicious HTML or making URLs clickable. Choose which filters you want to apply to text in this input format.

If you notice some filters are causing conflicts in the output, you can [rearrange them](#).

Name: *

Filtered HTML

Specify a unique name for this filter format.

Roles

All roles for the default format must be enabled and cannot be changed.

☒ anonymous user

☒ authenticated user

Filters

Choose the filters that will be used in this filter format.

☒ GMap filter

converts a google map macro into the html required for inserting a google map.

☒ HTML filter

Allows you to restrict if users can post HTML and which tags to filter out.

☒ Line break converter

Converts line breaks into HTML (i.e.
 and <p> tags).

☐ PHP evaluator

Runs a piece of PHP code. The usage of this filter should be restricted to administrators only!

Save configuration

Formatting guidelines

These are the guidelines that users will see for posting in this input format. They are automatically generated from the filter settings.

- Allowed HTML tags: <a> <cite> <code> <dl> <dt> <dd>

- Lines and paragraphs break automatically.
- Insert Google Map macro.[Create a macro](#)

輸入格式設定

步驟二 - 製作使用者地圖

有了可以產生地圖的巨集雖然很方便，但若是想要把地圖與文章、使用者進一步結合，就需要啟用 GMap Location 和 Location 模組。

在 GMap Location 的設定畫面裡，請先勾選【Location settings for users】裡的【Profile map】，讓使用者可以設定自己的所在地點。然後您可以到自己的帳好管理畫面，在編輯頁籤裡會多出一個【Location map】，裡面有個地圖，可以拖拉並點選您的所在地點。您也可以在主選單裡的【user locations】，找到一個列出所有使用者所在地的地圖，每一個小水滴點下去，就會出現該使用者的簡介和照片。

drupal-maps edit primary links

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Home > administer > settings

gmap_location

Geocode Locations

Enable the Google Map API geocoding:

☒ Enabled

☐ Disabled

Location settings for users

☒ Profile map
Let users set/edit their location in their profile.

Profile category title:

Let users set/edit their location in their profile.

Default user map:

The gmap macro where the user information will be displayed on.

Text at the top of the map/users page:

Marker for users:

Markers per role
Use a different marker to denote users in the following roles.

authenticated user:

Location settings for nodes

Default node map:

The gmap macro where the user information will be displayed on.

Text at the top of the map/nodes page:

Marker for story:

Save configuration Reset to defaults

GMap Location 設定畫面


drupal-maps
[edit primary links](#)

charlesc

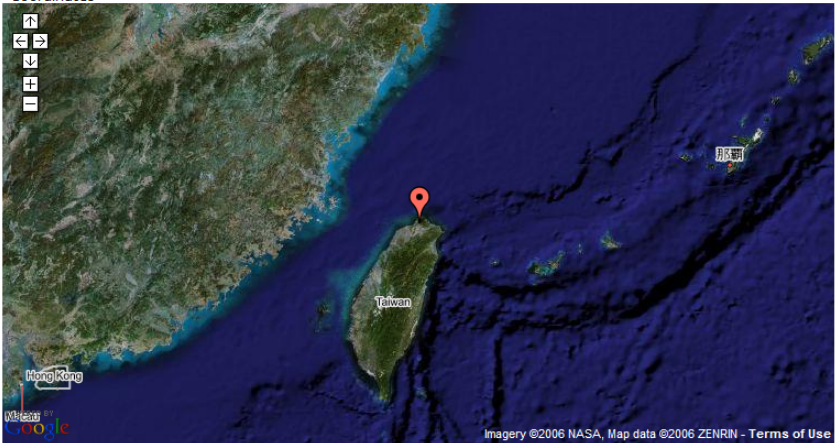
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Home » user account

charlesc

[view](#)
[edit](#)

[account settings](#)
[Location map](#)

Coordinates


Latitude:
25.160201

Longitude:
121.459350

The latitude and longitude will be entered here when you click on a location in the interactive map above. You can also fill in the values manually.

Address:

The address to be found on the map. Enter an address and then hit "TAB" and the current location will be updated. Please note that this address is not saved for the node, it is only used for finding a location.

[Submit](#)
[Delete](#)

Location map 地圖設定

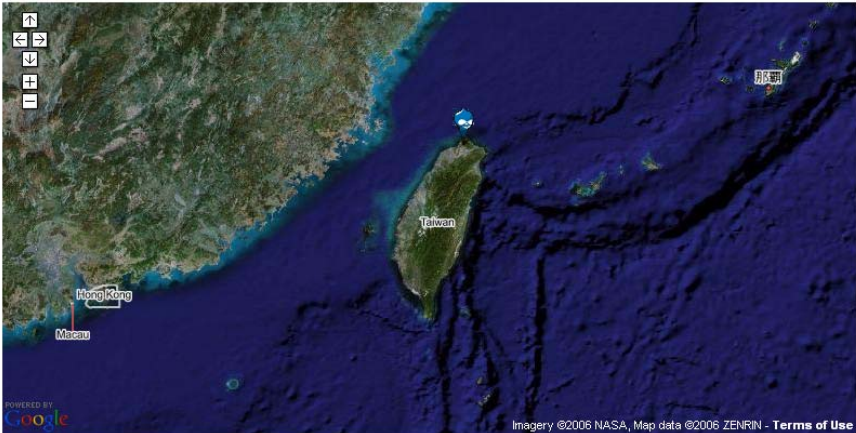

drupal-maps
[edit primary links](#)

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Home

user locations

This map illustrates the extent of users of this website. Each marker indicates a user that has entered their locations.


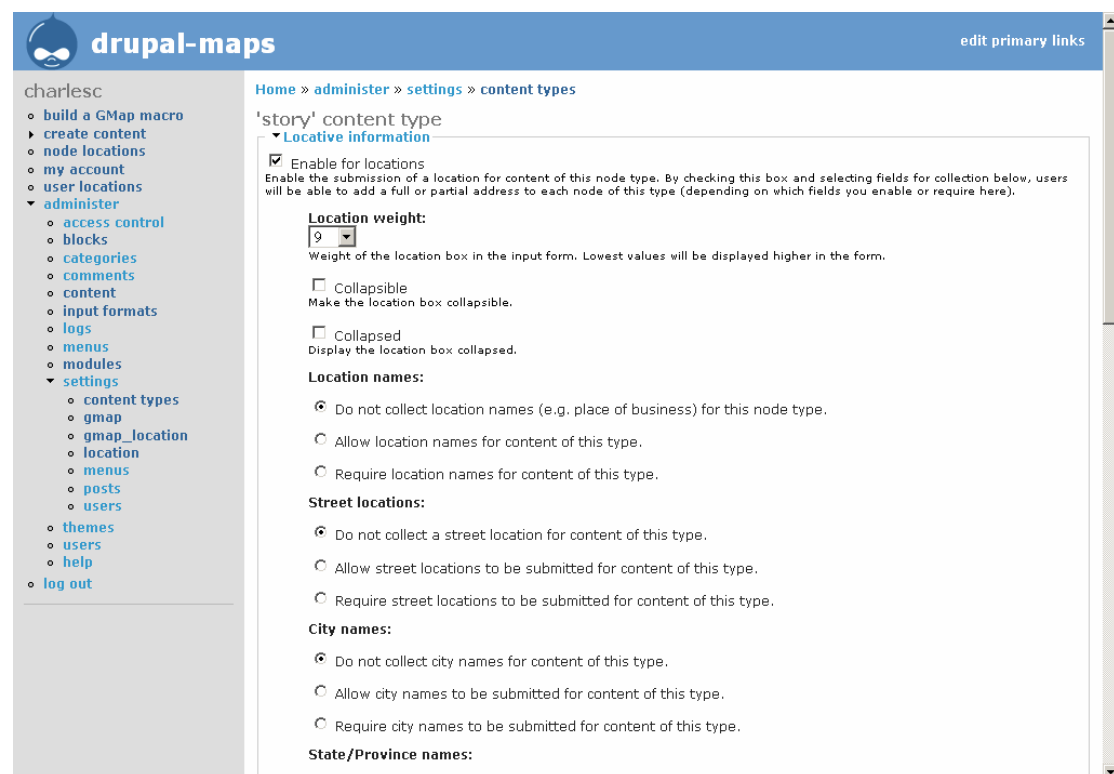
To add/change your location to the user map, [edit your location](#)

user locations地圖

步驟三 - 製作文章地圖

想要在文章裡直接整合地圖功能，則要到【管理 -> 設定 -> 內容類型】裡，選擇您想要呈現地圖的內容，展開【Locative information】項目，勾選【Enable for locations】。以後當您要建立該內容類型的文章時，裡面就會多了一個地圖讓您拖拉點選，也要記得到【區塊管理】裡，勾選【Location map】，設定小地圖的出現位置。

同樣地，主選單裡也會多了個【node locations】，列出所有標示了地點的文章地圖，每個地標點下去，都會出現內含文章摘要的泡泡視窗。



The screenshot shows the Drupal Maps configuration interface. The breadcrumb trail is 'Home » administer » settings » content types'. The page title is "'story' content type". The 'Locative information' section is expanded, showing the following options:

- ☒ **Enable for locations**
Enable the submission of a location for content of this node type. By checking this box and selecting fields for collection below, users will be able to add a full or partial address to each node of this type (depending on which fields you enable or require here).
- Location weight:**
9
Weight of the location box in the input form. Lowest values will be displayed higher in the form.
- ☐ **Collapsible**
Make the location box collapsible.
- ☐ **Collapsed**
Display the location box collapsed.
- Location names:**
 - ☒ Do not collect location names (e.g. place of business) for this node type.
 - ☐ Allow location names for content of this type.
 - ☐ Require location names for content of this type.
- Street locations:**
 - ☒ Do not collect a street location for content of this type.
 - ☐ Allow street locations to be submitted for content of this type.
 - ☐ Require street locations to be submitted for content of this type.
- City names:**
 - ☒ Do not collect city names for content of this type.
 - ☐ Allow city names to be submitted for content of this type.
 - ☐ Require city names to be submitted for content of this type.
- State/Province names:**
 - ☒ Do not collect state/province names for content of this type.
 - ☐ Allow state/province names to be submitted for content of this type.
 - ☐ Require state/province names to be submitted for content of this type.

內容類型的地點資訊設定

**drupal-maps**

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Home

2005 維基冬聚

view

edit

Title: *

2005 維基冬聚

Body: *

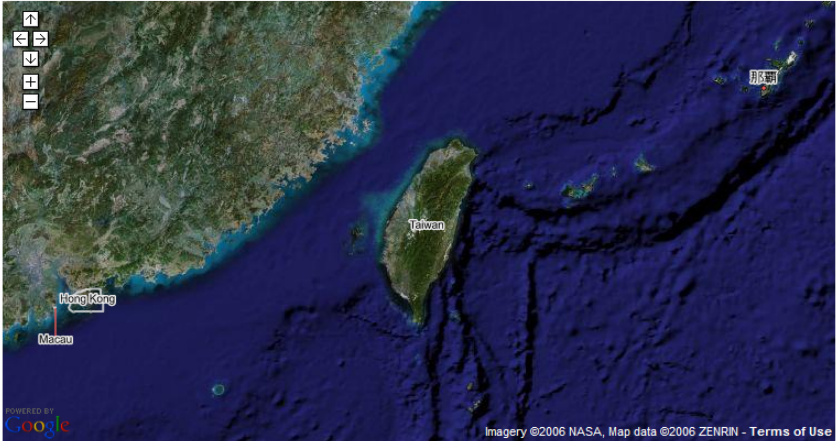
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詳見 Wikipedia:聚會/2005臺北冬聚報告

```
[gmap |id=map |center=24.686952411999154, 126.123046875 |zoom=4 |width=100% |height=200px |control=Small |type=Hybrid |markers=23.805449612314625,120.76171875]
```


Input format

Location



Latitude:

Longitude:

If you wish to supply your own latitude/longitude, you may do so here. Leaving these fields blank means that the system will determine a latitude/longitude for you, if possible.

Menu settings

Comment settings

Authoring information

Publishing options

Preview

Submit

Delete

在文章裡製作地圖

**drupal-maps**

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詳見 [Wikipedia:聚會/2005臺北冬聚報告](#)

[» add new comment](#)

Location

↑

↶ ↷

↓

+

-



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node locations地圖

提示：區塊

【區塊】是 Drupal 的核心模組，許多內建與外掛模組都會提供專屬的區塊，用來呈現模組所提供的功能。

區塊的顯示很有彈性，您可隨己意顯示在不同的位置（頁首、頁尾、內容、左欄、右欄）、依指定的順序（-10 到 10，數字愈大愈下面）顯示某區塊，並可依據特定網址、PHP 回傳值來決定要或不要顯示某區塊，也可以設定區塊的預設顯示方式，以及是否允許使用者顯示或隱藏某區塊。

The screenshot shows the 'drupal-maps' administration interface. The top header includes the site name and a link to 'edit primary links'. The left sidebar contains a user profile for 'charlesc' and a list of administrative links such as 'build a GMap macro', 'create content', 'node locations', 'my account', 'user locations', 'administer', 'access control', 'blocks', 'categories', 'comments', 'content', 'input formats', 'logs', 'menus', 'modules', 'settings', 'content types', 'gmap', 'gmap_location', 'location', 'menus', 'posts', 'users', 'themes', 'users', 'help', and 'log out'. The main content area is titled 'Home > administer' and 'blocks'. It includes a 'list' button and an 'add block' button. Below this, there is explanatory text about blocks and their configuration. A table lists various blocks with columns for 'Block', 'Enabled', 'Weight', 'Placement', and 'Operations'. The table is divided into 'Left sidebar', 'Right sidebar', and 'Disabled' sections. The 'Left sidebar' section includes 'User login' and 'Navigation'. The 'Right sidebar' section includes 'Location map'. The 'Disabled' section includes 'Primary links', 'Recent comments', 'Syndicate', 'Who's new', and 'Who's online'. Each row has a 'configure' link. At the bottom of the table is a 'Save blocks' button. The page is divided into three main regions: 'header', 'left sidebar', and 'right sidebar', with a 'content' area in the center. The footer is also visible.

Block	Enabled	Weight	Placement	Operations
Left sidebar				
User login	☒	0	left sidebar	configure
Navigation	☒	0	left sidebar	configure
Right sidebar				
Location map	☒	0	right sidebar	configure
Disabled				
Primary links	☐	0	left sidebar	configure
Recent comments	☐	0	left sidebar	configure
Syndicate	☐	0	left sidebar	configure
Who's new	☐	0	left sidebar	configure
Who's online	☐	0	left sidebar	configure
Save blocks				

區塊管理

**drupal-maps**

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'Location map' block

▼ Block specific settings

Map Macro:

[gmap |id=block0|zoom=10 |width=100% |height=200px |control=Sm

A macro to be used as a base map for the location block. This map will be recentered on the location, so the center is not that important.

Alternate base map macros can be entered for a specific node type below.

Map Macro for story:

▼ User specific visibility settings

Custom visibility settings:

- ☒ Users cannot control whether or not they see this block.
- ☐ Show this block by default, but let individual users hide it.
- ☐ Hide this block by default but let individual users show it.

Allow individual users to customize the visibility of this block in their account settings.

▼ Page specific visibility settings

Show block on specific pages:

- ☒ Show on every page except the listed pages.
- ☐ Show on only the listed pages.
- ☐ Show if the following PHP code returns TRUE (PHP-mode, experts only).

Pages:

Enter one page per line as proper partial file. Character is a wildcard. Example pages are blog for the blog page and blog for every personal blog. <front> is the front page. If the PHP-mode is chosen, enter PHP code between <?php ?>. Note that executing incorrect PHP-code can break your Drupal site.

Save block

區塊設定

發展

如果您有現成的一堆資訊，已經標注好經緯度（例如使用 GPS 數位相機/照相機所拍攝的照片，或是全台灣整數經緯度的文章資料），可以製作一份 .csv 檔案，利用 CCK 與 node import 模組，將現成的資訊匯入，只要幾分鐘的時間，您就可以擁有一個（地）圖文並茂的網站！