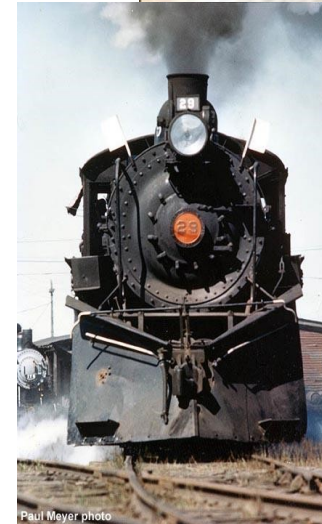


Date and Calendar



It's complicated...

- ➔ Not just local time
- ➔ Also calendars
- ➔ And timezones
- ➔ And DST



Timezone confusion!!

Standard Time Zones of the World



Timezone confusion+++

- The web server has a timezone
- The MYSQL server has a timezone
- The PHP server has a timezone
- The site has a timezone
- The user may have a timezone
- The date may have a timezone

PHP compatibility

- Older PHP date functions don't handle timezones and daylight savings time well enough.
- Date API uses PHP 5.2 date and timezone functions.
- Date PHP4 Module provides emulation for PHP 4.x, 5.0, and 5.1 (but is slower and less efficient.)
- Use native PHP 5.2+ for best performance.

Date field types

- Datestamp (Unix Timestamp)
 - Stores the date as an integer.
 - Easy math processing and manipulation.
 - Not human-readable.
 - Implies precision to seconds.

Date field types

- Date (ISO Date)
 - Stores the date in an ISO format: YYYY-MM-DDTHH:MM:SS.
 - Human-readable.
 - Works well for for incomplete dates, best format for historical dates.
 - Internationally-recognized format.

Date field types

- Datetime
 - Stores the date in the database's native date format.
 - Human-readable.
 - Can be used for incomplete dates.
 - Uses the database's date handling functions without any conversion.

Date widget types

- Text field
- Select list
- jQuery calendar popup

Date Select

Empty 'To date' values will use the 'From date' values.

Date Select From date:

Month: Day: Year: Hour: Minute: am/pm:

Dec ▼ 10 ▼ 2008 ▼ 9 ▼ 45 ▼ am ▼

Date Select To date:

Month: Day: Year: Hour: Minute: am/pm:

▼ ▼ ▼ ▼ ▼ ▼

Timezone:

America/New_York ▼

Date Popup

Date Popup From date:

Dec 10 2008 09:45AM

Format: Dec 10 2008 Format: 08:41AM

Date Popup To date:

Dec 10 2008 09:45AM

<Prev Today Next> 08:41AM

December ▼ 2008 ▼

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Clear Close

Timezone handling

- Uses non-deprecated timezone names, like America/Chicago instead of US/Central.
- Configurable by field:
 - Site
 - UTC
 - Date
 - None

Date settings

- 'To date' can be required, optional, or omitted.
- Can be single, multiple, or repeating.
- Configurable timezone handling.
- From and To date values can default to 'now', 'blank', or relative.
- Custom format for input and multiple formats for display.

Calendar

View *calendar_date*, displaying items of type **Node**.

[Export](#)

[Clone](#)

[View "Calendar page"](#)

[View "iCal feed"](#)

Defaults

Calendar page ▶

Calendar block

Year view

Month view

Day view

Week view

Block view

iCal feed

Upcoming

Page ▼

Add display

Analyze

Calendar page

Calendar page. Attach Calendar period attachments to this page, set to show the year, month, day, and week views.

Basic settings

Name: [Calendar page](#)
Title: [Calendar](#)
Style: [Calendar navigation](#)
Use AJAX: [No](#)
Items to display: [Unlimited](#)
Distinct: [No](#)
Access: [Unrestricted](#)
Exposed form in block: [No](#)
Header: [None](#)
Footer: [None](#)
Empty text: [None](#)
Theme: [Information](#)

Page settings

Path: [calendar-date](#)
Menu: [No menu](#)

Calendar settings

Legend Content Types: [Edit](#)
Legend Vocabularies: [Edit](#)
Legend Terms: [Edit](#)
Date changer: [No](#)

Relationships

None defined

Arguments

Date: [Date](#) Content: [Date Select](#)
([field_date_date_select](#) value)

Fields

Node: [Title](#)
Content: [Date Select Time](#)
Content: [Room Default](#)

Sort criteria

Content: [Date Select asc](#)

Filters

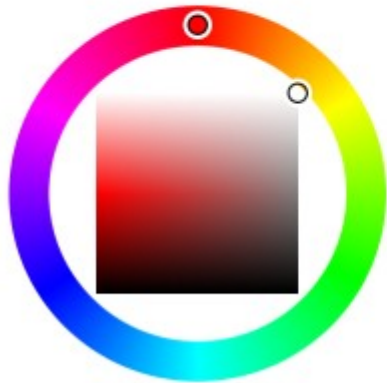
Node: [Published Yes](#)
Node: [Type = Date Select](#)

Calendar legend

Calendar page: Content Type Legend Colors

Content Type

Set a hex color value (like #ffffff) to use in the calendar legend for each content type. Types with empty values will have no stripe in the calendar and will not be added to the legend.



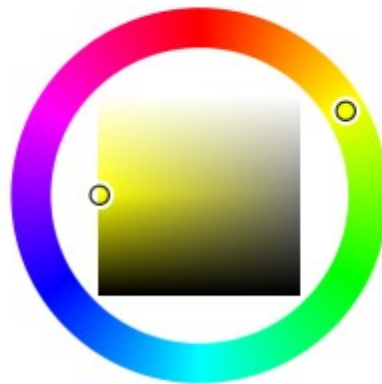
Update

Cancel

Calendar page: Taxonomy Legend Colors

Taxonomy Terms

Set a hex color value (like #ffffff) to use in the calendar legend for each taxonomy term. Terms with empty values will have no stripe in the calendar and will not be added to the legend.



Update

Cancel

Blue:

#0000ff

Green:

#00ff00

Orange:

#ffb300

Purple:

#9c06e0

Red:

#ff0000

Yellow:

#ffff00

Calendar legend

Home

Calendar

Year Month Week Day

« prev **November 2008** next »

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
44							1
45	2	3	4	5	6	7	8
		[330] Natu Inhibeo Ille Ibidem Imputo Obruo 11:00pm - 12:30am Room C	[330] Natu Inhibeo Ille Ibidem Imputo Obruo 11:00pm - 12:30am Room C <hr style="border: 1px solid blue;"/> [366] Ibidem Suscipit		[389] Capto Quadrum Acsi Abluo 6:15pm - 9:00pm Room A	[355] Si Modo Tego Dolore Conventio Quia Amet 1:45am - 5:15am Room A	[315] Meus Ymo Modo Lucidus 5:00am - 6:45am Room A

Calendar Legend

Item	Key
Yellow	
Blue	
Orange	
Purple	
Red	
Green	

Day style options

Day view: Style options

🔗 Status: using overridden values.

Use default

Time grouping:

Hour ▼

Group items together into time periods based on their start time.

Custom time grouping:

When choosing the 'custom' Time grouping option above, create custom time period groupings as a comma-separated list of 24-hour times in the format HH:MM:SS, like '00:00:00,08:00:00,18:00:00'. Be sure to start with '00:00:00'. All items after the last time will go in the final group.

Field grouping:

Content: Room - (field_room) ▼

Optionally group items into columns by a field value, for instance select the content type to show items for each content type in their own column, or use a location field to organize items into columns by location.

Truncated fields:

- Node: Title
- Content: Room - (field_room)
- Content: Date Select (field_date_date_select value)

Fields that should be truncated to fit in the calendar cell. For instance, change the title from 'Very Very Very Long Name' to something like 'Very Very...'.
Maximum number of characters to leave in truncated fields.

Truncate length:

Maximum number of characters to leave in truncated fields.

Update

Cancel

Group by hour, field

Home

Calendar

Year Month Week Day

« prev **Tuesday, December 9 2008** next »

	Room B	Room D
All day		
3:00 am	<div style="border: 1px solid black; background-color: yellow; padding: 2px;">[410] Vulpes Quidem Mos Damnum Ad Vulputate Et Vero 3:45am - 6:45am</div>	
7:00 pm		<div style="border: 1px solid black; background-color: yellow; padding: 2px;">[344] Olim Vindico 7:00pm - 11:00pm</div>
9:00 pm		<div style="border: 1px solid black; background-color: yellow; padding: 2px;">[366] Ibidem Suscipit Wisi 9:15pm - 11:15pm</div>

Calendar Legend

Item	Key
Green	
Purple	
Blue	

iCal import feeds

▼ FeedAPI Add On

Enabled	Name	Version	Description
<input type="checkbox"/>	Common syndication parser		Provides an XML parser for FeedAPI modules. Requires PHP5. Depends on: FeedAPI (enabled)
<input type="checkbox"/>	FeedAPI Inherit		Passes on group and taxonomy information from feed to feed items. Requires FeedAPI Node processor. Depends on: FeedAPI (enabled), FeedAPI Node (enabled)
<input checked="" type="checkbox"/>	FeedAPI Mapper		Maps feed item elements to node fields. Depends on: FeedAPI Node (enabled), FeedAPI (enabled)
<input checked="" type="checkbox"/>	iCal parser		Provides an iCal parser for FeedAPI modules. Requires PHP5. Depends on: FeedAPI (enabled), Date API (enabled)

▼ FeedAPI Default

Enabled	Name	Version	Description
<input checked="" type="checkbox"/>	FeedAPI		Provides feed aggregation functionality, a feed management interface and an API. If you enable this module, enable at least one item processor (e. g. FeedAPI Node Item) and one parser (e. g. SimplePie parser). Required by: FeedAPI Inherit (disabled), FeedAPI Mapper (enabled), FeedAPI Node (enabled), Common syndication parser (disabled), iCal parser (enabled), SimplePie parser (disabled)
<input checked="" type="checkbox"/>	FeedAPI Node		Creates nodes from feed items. Depends on: FeedAPI (enabled) Required by: FeedAPI Inherit (disabled), FeedAPI Mapper (enabled)
			Provides an XML parser for FeedAPI modules. Uses SimplePie library. Requires SimplePie

iCal imports

[Home](#) » [Administer](#) » [Content management](#)

Feeds

Current feeds are listed below. For each FeedAPI-enabled content type, the *Quick create* block may be enabled at the [blocks administration page](#).

Averages over the last 28 days.

Title	Last refresh	New items added per update	Update rate	Number of items	Processing time	Commands
Drupal iCal Feed	3 min 56 sec ago	30	4 hours 48 min	30	345 ms	<ul style="list-style-type: none"><input type="radio"/> Delete<input type="radio"/> Remove items<input type="radio"/> Refresh<input type="radio"/> Edit
Upcoming.org	4 min 33 sec ago	15.4	11 hours 9 min	15.4	2585.6 ms	<ul style="list-style-type: none"><input type="radio"/> Delete<input type="radio"/> Remove items<input type="radio"/> Refresh<input type="radio"/> Edit
Google	5 min 20 sec ago	1	11 hours 4 min	244	5589.4 ms	<ul style="list-style-type: none"><input type="radio"/> Delete<input type="radio"/> Remove items<input type="radio"/> Refresh<input type="radio"/> Edit

iCal imports

Name	Type	Description	Operations
Date Popup Repeat	date_site_popup_repeat	Nodes with CCK field type: date and widget type: date_popup_repeat configured with TZ handling: site	edit manage fields delete
Date Select	date_date_select	Nodes with CCK field type: date and widget type: date_select configured with TZ handling: date	edit manage fields delete
Drupal	drupal	A content type for Drupal ical feeds.	edit manage fields delete
Feed	feed	Items from these feeds will be turned into nodes.	edit manage fields delete
Google	google	A content type for Google ical feeds.	edit manage fields delete
Upcoming	upcoming	A content type for upcoming.org ical feeds.	edit manage fields delete
iCal Feed	ical_feed	Create and edit iCal feeds.	edit manage fields delete

» [Add a new content type](#)

iCal imports

December 2008					next »
Tuesday	Wednesday	Thursday	Friday	Saturday	
2	3	4	5	6	
9	10	11	12	13	
December Luncheon 12:00am America/New_York Upcoming	December Amarillo Meetup 10:00pm - 12:00am UTC Drupal	December Amarillo Meetup 11:00pm - 1:00am UTC Drupal	Springs Drupal Meet-up: Thursday, December 11, 6:30 p.m. 1:30am - 3:30am UTC Drupal	Santa Claus is Coming to Town 10:00am America/New_York Upcoming	
Executive Board 4:00pm America/New_York Upcoming	MetroWest Boston Drupal Meetup - first meeting this Wednesday in	Surrey Drupal Users Group - Christmas Party 3:00am - 5:00am UTC Drupal			

Calendar Legend

Item	Key
Upcoming	
Drupal	
Google	