Messaging & Notifications

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How many of you have...

- tried out the modules?

- actually used them for some site?

The needs

- E-mails?
- Subscribe to...
- SMS?
- Reply?

Users interacting with the system
beyond the web

The goals

- Subscribe to...
- Get messages as...
- (Reply)
- ......

(We want it all, and it to be usable)

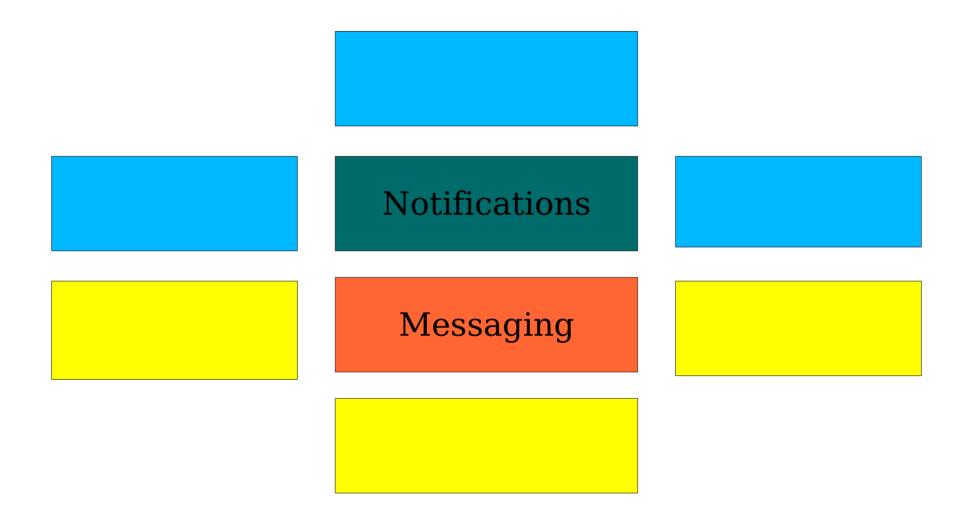# The plan

Great All-in-One Solution
for Everything /Everyone

Awfully complex Huge module
with more options than
you can handle

Better plan

Notifications

Messaging

Still better

Notifications

Messaging

"Divide and conquer"

- Notifications
  - Manage subscriptions
  - Queue and send notifications
  - http://drupal.org/project/notifications

- Messaging
  - Multiple sending methods
  - Message templating (sending methods)
  - http://drupal.org/project/messaging

Notifications & Messaging

UI

Event types (node, user..)	Notifications	Subscription types
Tokens	Messaging	Message parts

Sending methods

Messaging

- So you want to send **e-mails** to users?

- Why not 'send **messages** to users'?

- How do they want them delivered?
  (Mail, SMS, IM....Twitter...)

Messaging: Features

- Multiple channels (Mail, SMS, IM...)
- Multiple formats (Plain text, HTML)
- Push and pull methods
- Easy to build gateway modules
- Configurable message parts
- Token support
- Bulk messaging

Messaging: Plug-ins

- Simple Mail
- PHPMailer
- Privatemsg
- SMS Framework
- ....

A messaging plug-in

hook_messaging('send methods')

send_callback($destination, $message)

Messaging settings

Default messaging:

- ⦿ Mail
- ○ HTML Mail
- ○ Privatemsg
- ○ Simple
- ○ SMS

Default sending method for getting messages from this system.

Settings for messaging methods

Depending on your content format and the tokens you are using for messages it is important that you use the right filtering for the message body. Set up the filters you need using the **Input Formats** page

Mail settings

Message body filter:

| Messaging plain text ⇕ |

Simple settings

Message body filter:

| Messaging plain text ⇕ |

About messaging & filtering

- Not possible one-filter-for-all
- Filtered and unfiltered tokens
- Basic ones: plain text and HTML
- Depending on your Input Filters
- Security considerations

But **default filters** created now on install!!

Notifications: Features

- Open framework
- Pluggable event types
- Pluggable subscripion types
- Pluggable UI
- High escalability
- Messaging
- Subscriptions with n conditions

Supported features

The engine

The plug-ins

The UI

A Notifications plug-in

hook_notifications()
- Event types
- Subscription types
- Object names, etc...

hook_messaging()
- Templates
- Available tokens

Notifications: Plug-ins

- Content (node, node type, user)
- Taxonomy (multiple tags)
- Organic Groups
- FeedAPI
- Default UI

Workflow

Plug-in triggers **Event**

Page Request

Subscriptions are checked and **Notifications** queued

Queue processing (digesting, de-duping)

Message composition

Cron Process

Message **delivery**

So, do you want options?

Really?

▽ Messaging

Enabled	Name	Version	Description
☐	**Debug tool**		Debugging utilities for messaging. Depends on: Messaging (enabled)
☑	Messaging		Messaging system. This is the base module for the Messaging Framework Required by: Debug tool (disabled), Simple Mail (enabled), Messaging Mime Mail (disabled), Messaging PHPMailer (disabled), Privatemsg (disabled), Simple messaging (enabled), SMS Messaging (disabled), Notifications (enabled)
☐	**Messaging Mime Mail**	5.x-1.0-pre-alpha	Mail Sending Method: Integration with Mime Mail module Depends on: Messaging (enabled), Mimemail (missing)
☐	**Messaging PHPMailer**		Mail Sending Method: Integration with Drupal mail API for HMTL Mail Depends on: Messaging (enabled)
☐	**Privatemsg**		Sending Method: Integration with Privatemsg Depends on: Messaging (enabled), Private messages (disabled)
☑	**Simple Mail**		Mail Sending Method: Integration with Drupal mail API Depends on: Messaging (enabled)
☑	**Simple messaging**		Sending Method: Show messages on user's page Depends on: Messaging (enabled)
☐	**SMS Messaging**		Sending Method: SMS Depends on: Messaging (enabled), SMS Framework (disabled), SMS User (disabled)

▽ Notifications

Enabled	Name	Version	Description
☑	**Content Notifications**		Allows users to subscribe to content related events. Depends on: Notifications (enabled) Required by: Notifications Autosubscribe (enabled), Taxonomy Notifications (enabled), Organic Groups Notifications (disabled)
☐	**FeedAPI Subscriptions**		Allows users to subscribe to feeds and be notified when they are updated Depends on: Notifications (enabled), Feedapi (missing)
☑	**Mail to Web**		Gateway module for responding to posts via mail Depends on: Notifications (enabled), Mailhandler (enabled)
☑	**Notifications**		The basic notifications framework Depends on: Token (enabled), Messaging (enabled) Required by: Mail to Web (enabled), Notifications Autosubscribe (enabled), Content Notifications (enabled), FeedAPI Subscriptions (disabled), Taxonomy Notifications (enabled), Notifications UI (enabled), Organic Groups Notifications (disabled)
☑	**Notifications Autosubscribe**		Provides automatic notifications. Depends on: Notifications (enabled), Content Notifications (enabled)
☐	**Notifications Lite**		Extra Simple Notifications API. Enable only when required by other modules.
☑	**Notifications UI**		Provides an UI to notifications Depends on: Notifications (enabled)
☑	**Taxonomy Notifications**		Allows users to subscribe to taxonomy terms. Depends on: Notifications (enabled), Content Notifications (enabled), Taxonomy (enabled)

Messaging & Notifications

Administer and configure messaging and notifications

Mail to web
Configure automatic mail responses.

Message templates
Configuration of message templates

Messaging settings
Configuration of sending methods

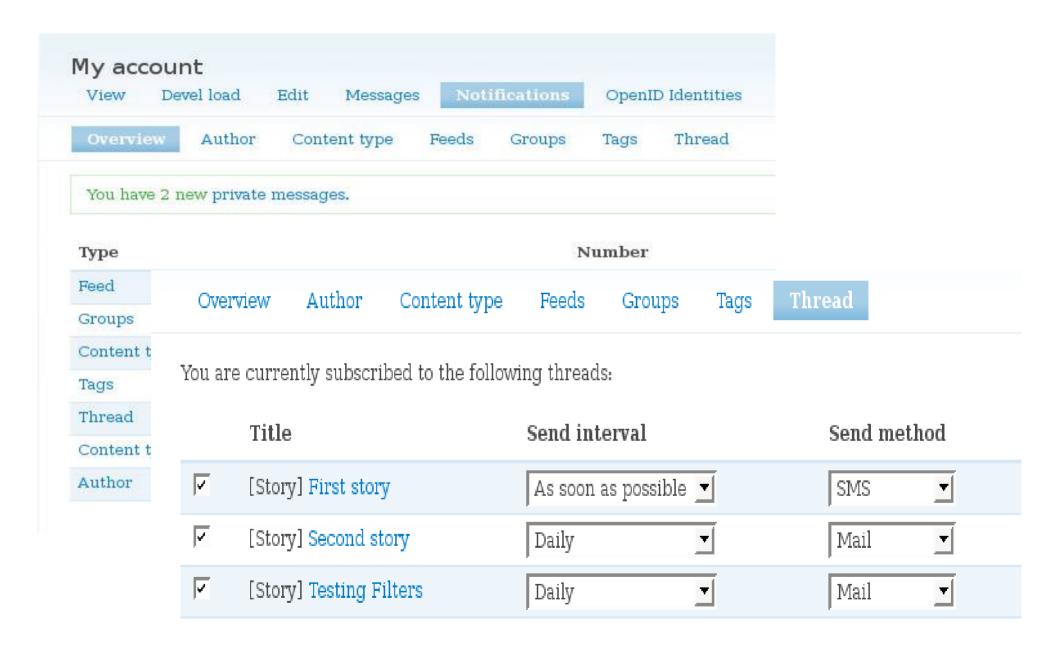## Notifications Settings
Site settings for user notifications.

Notifications Status
Manage users notifications.

Notifications for node creation

The body header and footer will be taken from Notification events

[more help...]

▽ Body content

▷ Subject

▷ Body content

▷ Available tokens

Default:

[node-teaser]
Read more [node-url]

Mail:

HTML Mail:

My account

You have 2 new private messages.

Type	Number
Feed	
Groups	
Content t	
Tags	
Thread	
Content t	
Author	

You are currently subscribed to the following threads:

	Title	Send interval	Send method
☑	[Story] First story	As soon as possible ▾	SMS ▾
☑	[Story] Second story	Daily ▾	Mail ▾
☑	[Story] Testing Filters	Daily ▾	Mail ▾

Notifications Settings   General   Content Subscriptions   Intervals   User Interface

General settings

☑ Notify poster of own posts

Notifies a node poster about their own posts. Useful principally during testing. Default is OFF.

☑ Immediate sending

Do not queue notifications for immediate sending. This will produce more timely notifications for sites with a small number of users.

Notifications Sender:

○ No one (All notifications will appear as coming from the web site)

◉ User name, site data (Only the user name will be used)

○ Full user data (User name and available user information)

Use the site information as the sender for notification messages or use account data from the user causing the event. WARNING: Selecting the last option (Full user data) may undisclose private information to subscribers like the user e-mail address.

Default settings

Default send interval:

[Immediately ▲▼]

Limits for queue processing

These are the limits for each cron run on queue processing. The process will stop when it first meets any of them. Set to 0 for no limit.

Number of rows:

[0]

Number of messages sent:

Notifications Settings   General   **Content Subscriptions**   Intervals   User Interface

Content type subscriptions

Allowed content types:

- ☐ Group
- ☐ Notifications simpletest J8xN
- ☐ Notifications simpletest VQ9U
- ☐ Notifications simpletest Whje
- ☐ Notifications simpletest iEK1
- ☐ Notifications simpletest ubgJ
- ☑ Page
- ☑ Story

Select content types which should be *allowed* for subscriptions to content type.

Tag subscriptions

Allowed vocabularies:

- ☑ tubrosl
- ☐ drikop
- ☐ jobresupuk

Select vocabularies to which subscriptions should be *allowed*.

Notifications Settings

Time	Display name

Send intervals

To delete an interval, set the time unit and the name empty.

Time		Display name
-1	[▲▼]	Never
0	Days ▲▼	Immediately
1	Hours ▲▼	Every hour
12	Hours ▲▼	Twice a day
1	Days ▲▼	Daily
7	Days ▲▼	Weekly
	[▲▼]	
	[▲▼]	

Story

Identification

Name: *

Story

The human-readable name of this content type. This text will be displayed as part of the list on the *create content* page. It is recommended that this name begin with a capital letter and contain only letters, numbers, and **spaces**. This name must be unique.

Subscriptions UI:

☑ Display in node form

☑ Display in comment form

☑ Display as node links

☑ Display in block

Enable different display options for subscriptions to this content type

Notifications Settings   General   Content Subscriptions   Intervals   **User Interface**

These are UI settings only. They will be combined with other settings and permissions to determine which subscription options will be finally available for each page.

To enable different subscription options for each content type visit the content types settings page

Enabled subscription types:

☐ Groups

☐ Content type in group

☑ Thread

☑ Content type

☑ Author

☐ Tags

Check the subscription types the UI module should show.

☑ Show subscribe link with teaser

Uncheck to show links only in full node view. This will work only for content types that have subscription links enabled.

My account

You have 2 new private messages.

Type	Number
Feed	6
Groups	1
Content type in group	0
Tags	2
Thread	3
Content type	1
Author	1

My account

View   Dev render   Devel load   Messages   **Notifications**

Overview   Author   **Content type**   Groups   Tags   Thread

☐	Type	Send interval	Send method
☑	Page	Immediately ↕	Simple ↕
☑	Story	Immediately ↕	Simple ↕

Save

My account

View   Dev render   Devel load   Messages   **Notifications**

Overview   **Author**   Content type   Groups   Tags   Thread

	Author	Send interval	Send method
☑	admin	Immediately ⬍	Mail ⬍
☑	jose	Immediately ⬍	Mail ⬍

Save

My account

View Dev render Devel load Messages **Notifications**

Overview Author Content type Groups Tags **Thread**

You are currently subscribed to the following threads:

	Title	Send interval	Send method
☑	[Story] Hola caracola	Immediately ↕	Mail ↕
☑	[Story] Please subscribe!	Immediately ↕	Simple ↕

Organic Groups

now using

Messaging & Notifications

Mail2web

"Reply ABOVE this LINE to POST a COMMENT"

Messaging Send To

Interesting story   View   Edit

Fri, 08/29/2008 - 18:20 — admin

No news today.

Send this Story to: *

Jose, myfriend@example.com, 0123456789   ○

Enter list of recipients separated by commas: *User names, Email addresses, Mobile phone numbers*

Personal message:

Greetings,

admin thinks this content may be interesting for you:

Custom text to add at the beginning of the message

Send

Notifications Lite

- Extra simple sending API for

  1. Notifications
  2. Messaging
  3. Drupal mail

```
notifications_lite_send(
    $uid,
    $subject,
    $body = ''
)
```

Status

- It works!
- Quickly approaching 1.0 release

- Great flexibility (too much?)
- Many plug-ins (too many?)

How does it work for...

- Developers :-))

- Site builders :-)

- Site admins :-o
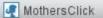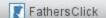
- Site end users :-?

The future

- More plug-ins (smaller engine)

- Improve message digesting

- Drupal 6

  - Triggers and Actions

  - Multilingual templates

- Other modules implementing "hooks" instead of many plug-ins

The future

?

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Welcome **Jose A Reyero**!

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✓ You have one new **private message**.

Recipes That Raise Money For Kids.
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Great gift idea. Order today...

Click for more details

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Breaking Through the Baby Blues

Chances are, when you hear "baby blues," you think of the kind that hit after the baby is born, thanks to all of the attention postpartum depression gets in the media and from celebrities such as Brooke Shields and Marie Osmond. But it turns out that depression during pregnancy — prenatal depression — is even more common than postpartum depression. About 20 percent of women will suffer some depression symptoms during pregnancy.

Tell a friend! Go

activities
Find activities in my area:

Postal code: [ ]
[Go]
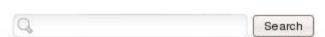
featured photo
My little man!
posted by anna925

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✅ You have one new **private message**.

Edit my account

👥 **Invite friends**   🔍 **Find users**

| My Homepage | **My Profile** | My Groups | My Activities | My Photos | My Content | My Friends |

📧 View My profile   📝 **Edit My profile**   📝 My Email accounts   ✒ My Notification settings

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Search

I would like to receive notifications of new group content, replies to my posts, and other community content by email:

Daily

I would like to be notified when someone invites me to a new group:

Yes

I would like to be notified when someone wants to join my group:

Yes

I would like to be notified when someone wants to be friends with me:

Yes

I would like to be notified when a user shares a post with me:

Yes

Configure advanced notifications »

Save

| featured mom blog | featured recipe | featured review | featured classified |

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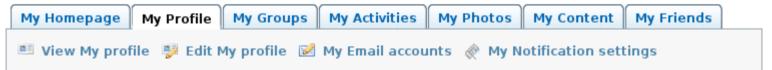
Home › User account › My notifications

My notifications

   Invite friends   **Find users**

| My Homepage | **My Profile** | My Groups | My Activities | My Photos | My Content | My Friends |

📖 **View My profile**   📝 **Edit My profile**   ☑ **My Email accounts**   📛 **My Notification settings**

Type	Number
Groups	0
Content type in group	0
Request	4
Thread	0
Content type	0
Author	0

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[Search]

✓ You have one new **private message**.

My notifications

👤 **Invite friends**   🔍 **Find users**

| My Homepage | **My Profile** | My Groups | My Activities | My Photos | My Content | My Friends |

🔲 **View My profile**   📝 **Edit My profile**   📧 **My Email accounts**   🗒 **My Notification settings**

Request types	Send interval	Send method
Group Invitation	Immediately ▾	HTML Mail ▾
Pending Group Membership	Immediately ▾	HTML Mail ▾
Pending Friend	Immediately ▾	HTML Mail ▾
Shared Post	Immediately ▾	HTML Mail ▾

[Save]