The Horde 4 PHP framework

Gunnar Wrobel

wrobel@horde.org

May, 13th 2011
Components

Components = Modules = Libraries = Packages = ...
The Horde 4 PHP framework

There are more than 90 components available from http://pear.horde.org.

Photo: Aaron Merrifield [http://www.flickr.com/photos/spammt/4823025103/]
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Groupware

**Definition**

“[...] groupware [...] is computer software designed to help people involved in a common task achieve their goals [...]”

http://en.wikipedia.org/wiki/Groupware

**Remote**

It is usually associated with team members not physically co-located.

**Asynchronous**

Communication between team members is primarily asynchronous.
Groupware

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E-mail

An E-Mail client is the corner stone of most groupware systems

Photo: Éole Wind [http://www.flickr.com/photos/eole/4500783172/]
Demo Time - Mobile

[unnamed] Addressbook like GMail
11/21/2010 11:01:16 AM CET

From: Sebastian Kronenwerth

Hi everybody,

is it planned that the Addressbook gets a redesign so that it provides the same features like GMails addressbook, i.e.:

- Add a user in different groups
- Add flexible addressbook fields like GMail.

Best wishes,
Sebastian

--
Turba mailing list - Join the hunt: http://horde.org/bounties/#turba
Frequently Asked Questions: http://horde.org/faq/
To unsubscribe, mail: turba-unsubscribe@lists.horde.org
PHP + IMAP

PEAR-Net_IMAP

Pro
- Runs on any PHP installation.
- Available as a separate component.

Contra
- Extremely slow.
- Very limited IMAP featureset.
- Has a fair amount of issues.
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PHP IMAP extension - based on the c-client library

**Pro**
- Coded in C
- Available by default in many PHP installations.

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- Surprisingly slow for many of the IMAP calls.
- Not maintained anymore.
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Gunnar Wrobel (wrobel@horde.org)
Horde 4
May, 13th 2011
The IMAP RFC specifications implemented in Horde_Imap_Client

# Ensure the Horde PEAR server is known
```
pear channel-discover pear.horde.org
```

# Install the Horde_Autoloader component
```
pear install horde/Horde_Autoloader
```

# Install the Horde_Imap_Client component
```
pear install horde/Horde_Impa_Client
```
<?php

// Provide autoloading of classes
require_once 'Horde/Autoloader/Default.php';

// Create client
$c = Horde_Imap_Client::factory('Socket',
    array('username' => 'test', 'password' => 'test'));

// Print mailbox list
print join("\n", array_keys($c->listMailboxes('*')));
IMAP Client

Listing your IMAP mailboxes ...

INBOX
INBOX/Aufgaben
INBOX/Drafts
INBOX/Kalender
INBOX/Kontakte
INBOX/Ledger/2011/01/company
INBOX/Ledger/2011/02/company
INBOX/Neue Notizen
INBOX/Notizen
INBOX/Sent
INBOX/Test
INBOX/stest
INBOX/test

Gunnar Wrobel (wrobel@horde.org)  Horde 4  May, 13th 2011  16 / 44
Invitations
Interface e-mail with calendaring

Photo: Anita Brown [http://www.flickr.com/photos/2bsquaredesigns/4786027883/]
Demo Time - Invitations

Max Mustermann bittet um Ihre Anwesenheit bei "LinuxTag Vortrag".

Beginn: 13.05.2011 12:00 pm
Ende: 13.05.2011 1:00 pm
Zusammenfassung: LinuxTag Vortrag

Teilnehmer

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<thead>
<tr>
<th>Name</th>
<th>Rolle</th>
<th>Status</th>
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<tr>
<td><a href="mailto:a@temple.gunnarwrobel.de">a@temple.gunnarwrobel.de</a></td>
<td>Erforderlicher Teilnehmer</td>
<td>Auf Antwort wartend</td>
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</table>

Aktionen:

- Anfrage akzeptieren und zu meinem Kalender hinzufügen
  - Los
Horde_Ltip
Installing the Horde_Ltip is trivial

# Ensure the Horde PEAR server is known
pear channel-discover pear.horde.org

# Install the Horde_Autoloader component
pear install horde/Horde_Autoloader

# Install the Horde_Ltip component
pear install horde/Horde_Ltip
BEGIN:VCALENDAR
PRODID:-//Microsoft Corporation//Outlook 11.0 MIMEDIR//EN
VERSION:2.0
METHOD:REQUEST
BEGIN:VEVENT
ATTENDEE;ROLE=REQ-PARTICIPANT;RSVP=TRUE:MAILTO:john.doe@example.org
ORGANIZER:MAILTO:test@example.org
DTSTART:20081122T190000Z
DTEND:20081122T193000Z
SEQUENCE:0
UID:040000008200E00074C5B7101A82E0080000000020D533ED0E4CC901000000000000000000100
00000094C5C0A65E8CC4DB1AEC47FD1255FCD
DTSTAMP:20081121T182534Z
DESCRIPTION:Zeit: Samstag \, 22. November 2008 20:00 – 20:30 (GMT+01:00)
Amsterdam \, Berlin \, Bern \, Rom \, Stockholm \,
Wien.

SUMMARY:invitation test 2
END:VEVENT
END:VCALENDAR
<?php

// Provide autoloading of classes
require_once 'Horde/Autoloader/Default.php';

// Parse iTip invitation
$vCal = new Horde_ICalendar();
$vCal->parseVCalendar(file_get_contents('itip-invitation.txt'));

// Describe the invited person
$resource = new Horde_Itip_Resource_Base('john.doe@example.com', 'John Doe');

// iTip Handler
$iTip = Horde_Itip::factory($vCal, $resource);

// Send response
$iTip->sendSinglepartResponse(
    new Horde_Itip_Response_Type_Accept(),
    new Horde_Itip_Response_Options_Horde(),
    new Horde_Mail_Transport_Mock()
);
Demo Time - Calendar

[Image of a calendar with the date May 13, 2011 highlighted.]

Gunnar Wrobel (wrobel@horde.org)
Horde 4
May, 13th 2011
Demo Time - Mobile Calendar

Gunnar Wrobel (wrobel@horde.org)

Horde 4

May, 13th 2011

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### November 2010

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**Sun 11/28/2010**

- **All day**
  - 1st Advent

- **10:00 - 14:00**
  - Brunch
    - Zweischlingen

- **16:00 - 20:00**
Entering dates

Entering dates on the net today
Meeting time

Photo: Andrew Wipple [http://www.flickr.com/photos/andrewwippler/4428945418/]
Meeting time
Do you arrange a meeting time like this ...

We should talk about the LinuxTag feedback sometime during 16th and 22nd of May 2011.

Sure. What about the 17th May of 2011?

Sounds good. I’m available from 8 am to 12 am that day.

Lets say 9 am. That would work fine for me.
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or rather like this ...

We should talk about the LinuxTag feedback sometime during next week.

Sure. What about Tuesday?

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Meeting time
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Entering dates
How might the widget look like?
Installing the Horde_Date_Parser is trivial

# Ensure the Horde PEAR server is known
pear channel-discover pear.horde.org

# Install the Horde_Autoloader component
pear install horde/Horde_Autoloader

# Install the Horde_Date_Parser component
pear install horde/Horde_Date_Parser
<?php

// Provide autoloading of classes
require_once 'Horde/Autoloader/Default.php';

$date = Horde_Date_Parser::parse('next week tuesday morning');

echo $date . "\n";
Horde_Date_PARSER

... to make your computer understand you.

2011−05−17 09:00:00
Components

The webmail application has been the core element for 13 years now.
Components

Calendaring is just another application.

Webmail  Calendar
Components

But there are applications for contacts, task, and notes as well.
Components

Not to forget the time tracker, the ticket system, a wiki, ....

Webmail  Calendar  Contacts  Task  Notes  Time tracker

Tickets  Wiki  File manager  Blogging  ...
Components

“horde” handles basic tasks such as authentication, permissions, ...
Components

And below that live the “framework” components.
Components

The framework is independent of the applications.
Flexible

Horde strives at being the most flexible groupware on the net.

Photo: Jon Lucas [http://www.flickr.com/photos/jonlucas/204150906/]
Summary

Horde 4 PHP framework

- The Horde 4 PHP framework is independent of the Horde applications.
- The Horde 4 architecture is extremely modular.

Horde Applications

- Horde can be adapted to the workflow instead of the other way around.
- The groupware can be embedded into many different types of infrastructure.
- Simply the most flexible web groupware system around.
http://www.horde.org

HORDE AT LINUXTAG.

The Horde Project is presenting their latest applications with a booth and a talk on LinuxTag, Berlin, from May 11th to 14th. Meet us at hall 7.2a, booth 139a, or listen to Gunnar Wrobel's talk on Friday, 12pm.
Questions

Questions?
E-Mail: wrobel@horde.org

Support (Horde LLC)
E-Mail: info@horde.org