The Horde 4 PHP framework

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Components

Components = Modules = Libraries = Packages = ...



Photo: Rudolf Ammann [http://www.flickr.com/photos/rka/1415516/]

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/]



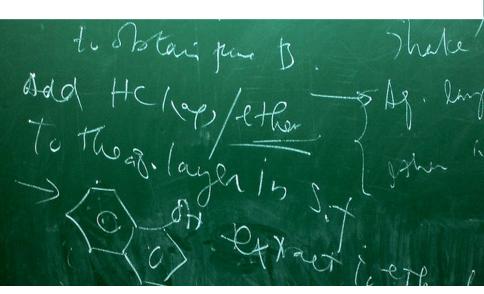
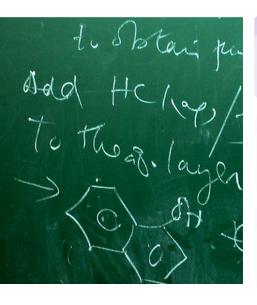


Photo: Denise Chan [http://www.flickr.com/photos/denn/5005046/]



Definition

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

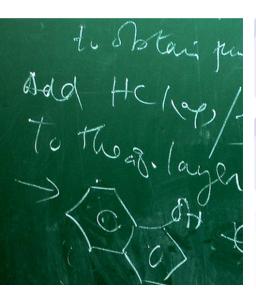
ahttp://en.wikipedia.org/wiki/Groupware

Remote

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

Asynchronous

Communication between team members is primarily asynchronous.



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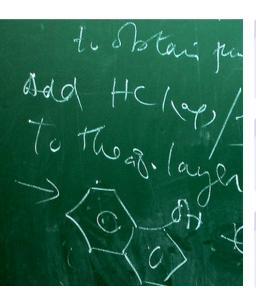
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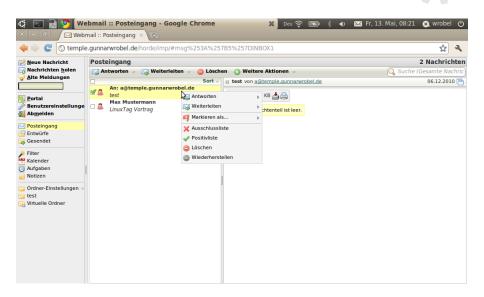
E-mail

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

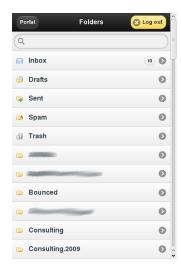


Photo: Éole Wind [http://www.flickr.com/photos/eole/4500783172/]

Demo Time - E-Mail



Demo Time - Mobile





PEAR-Net_IMAP



Pro

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

- 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



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Roundcube IMAP code



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The IMAP RFC specifications implemented in Horde_Imap_Client



RFC 2086/4314 - ACL, RFC 2087 - QUOTA, RFC 2088 - LITERAL+. RFC 2195 -AUTH=CRAM-MD5, RFC 2221 -LOGIN-REFERRALS. RFC 2342 - NAMESPACE. RFC 2595/4616 - TLS & AUTH=PLAIN, RFC 2831 - DIGEST-MD5 authentication mechanism., RFC 2971 - ID. RFC 3348 - CHILDREN. RFC 3501 -IMAP4rev1 specification, RFC 3502 -MULTIAPPEND, RFC 3516 - BINARY, RFC 3691 -UNSELECT, RFC 4315 - UIDPLUS, RFC 4422 -SASL Authentication (for DIGEST-MD5), RFC 4466 - Collected extensions (updates RFCs 2088, 3501, 3502, 3516), RFC 4469/5550 - CATENATE, RFC 4551 - CONDSTORE, RFC 4731 - ESEARCH, RFC 4959 - SASL-IR. RFC 5032 - WITHIN, RFC 5161 -ENABLE, RFC 5162 - QRESYNC, RFC 5182 -SEARCHRES, RFC 5255 - LANGUAGE/I18NLEVEL. RFC 5256 - THREAD/SORT. RFC 5258 -LIST-EXTENDED, RFC 5267 - ESORT; PARTIAL search return option. RFC 5464 - METADATA, RFC 5530 - IMAP Response Codes, RFC 5819 -

LIST-STATUS, RFC 5957 - SORT=DISPLAY, RFC 6154 - SPECIAL-USE/CREATE-SPECIAL-USE, RFC

6203 - SEARCH=FUZZY

Horde_Imap_Client

Installing the Horde_Imap_Client 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_Imap_Client component pear install horde/Horde_Imap_Client
```

Horde_Imap_Client

Listing your IMAP mailboxes ...

```
<?php
require_once 'Horde/Autoloader/Default.php';
$c = Horde_Imap_Client::factory(
    'Socket'.
    array('username' => 'test', 'password' => 'test')
);
print join("\n", array_keys($c->listMailboxes('*')));
```

Horde_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
```

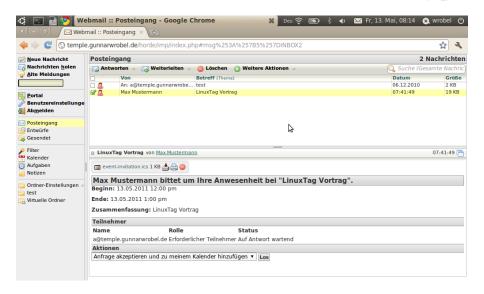
Invitations

Interface e-mail with calendaring



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

Demo Time - Invitations



Horde_Itip

Installing the Horde_Itip 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_Itip component pear install horde/Horde_Itip
```

Horde_Itip

```
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: 20081122 T193000Z
SEQUENCE: 0
UID:040000008200E00074C5B7101A82E008000000020D533ED0E4CC901000000000000000100
 00000094C5C0A65E8CC4DB1AEC47FD1255FCD
DTSTAMP: 20081121 T182534Z
DESCRIPTION: Zeit: Samstag \, 22. November 2008 20:00 - 20:30 (GMT+01:00)
  Amsterdam\, Berlin\, Bern\, Rom\, Stockholm\.
  Wien.\\n\\n*~*~*~*~*~*~*~*\\n\\n\\n
SUMMARY: invitationtest2
END: VEVENT
```

END: VCALENDAR

Horde_Itip

Answering the iTip request

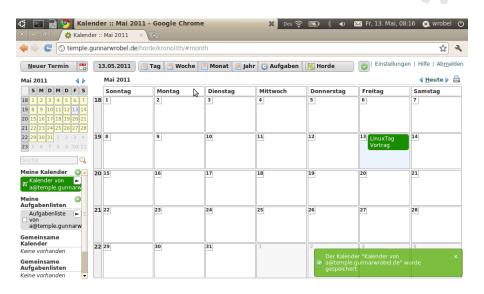
```
<?php
require_once 'Horde/Autoloader/Default.php';
$vCal = new Horde_Icalendar();
$vCal->parsevCalendar(file_get_contents('itip-invitation.txt'));
$resource = new Horde_ltip_Resource_Base('john.doe@example.com', 'John Doe');
$iTip = Horde_Itip::factory($vCal, $resource);
$iTip->sendSinglepartResponse(
    new Horde_Itip_Response_Type_Accept(),
    new Horde_Itip_Response_Options_Horde(),
    new Horde_Mail_Transport_Mock()
```

Calendar



Photo: Ion-Bogdan Dumitrescu [http://www.flickr.com/photos/bitzi/265052661/]

Demo Time - Calendar



Demo Time - Mobile Calendar



Entering dates

Entering dates on the net today

2011-04-28



11:00



Photo: Andrew Wipple [http://www.flickr.com/photos/andrewwippler/4428945418/]

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.

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or rather like this ...



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

Sure. What about tuesday?

Sounds good. I'm available the whole morning that day.

or rather like this ...



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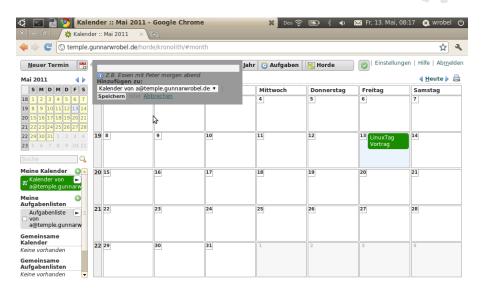


Entering dates

How might the widget look like?



Demo Time - Quick Add



Horde_Date_Parser

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
```

Horde Date Parser

Parsing your language...

```
<?php
require_once 'Horde/Autoloader/Default.php';
$date = Horde_Date_Parser::parse(
    'next week tuesday morning'
echo $date . "\n";
```

... to make your computer understand you.

2011-05-17 09:00:00

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



Calendaring is just another application.



Calendar

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



 Calendar

Contacts

Task

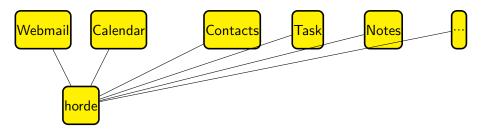
Notes

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

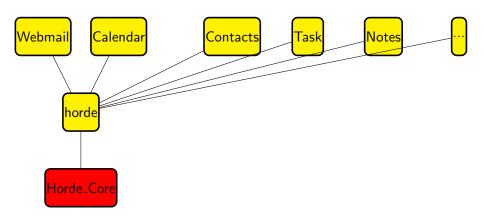
Webmail Calendar Contacts Task Notes Time tracker

Tickets Wiki File manager Blogging ...

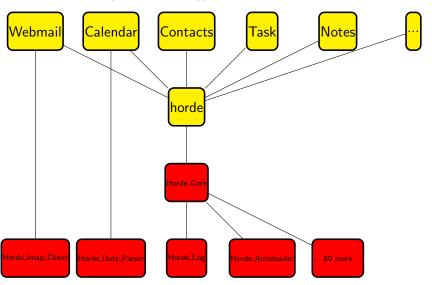
"horde" handles basic tasks such as authentication, permissions, ...



And below that live the "framework" 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/]

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



support El con



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 half 7.2a, booth 139a, or listen to Gunnar Wrobel's talk on Friday, 12pm.

1



Community

Wondering what Horde is? Curious how to use one of Horde's many more advanced features? Learn more about Horde and its powerful applications with Frequently Asked Questions, Screenshots and more.



Development

As the most flexible groupware platform in the world, Horde makes an ideal place to create your own custom applications. Learn more about our feature-rich collection of web development libraries and how to get started.



Services

More than just software: Our team of trusted professionals helps you build large installations or custom applications. Learn how our experience and technology delivers the most flexible platform to realize your grand ideas.

Latest News

Horde 4 has been released. This is a major milestone in Horde development, packed with two years' worth of development.

IMP H4 (5.0) has been released. It bundles all, much improved, interfaces that were available as separate applications, and includes a brand new interface for smartphones.

IMP 5 has been released, integrating all functionality of DIMP. DIMP is discontinued.

Sponsors

Featured at: oreillynet.com phplens.com freenode.net mybroadband.co.za codinghorror.com php.net

Questions

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E-Mail: wrobel@horde.org

Support (Horde LLC)

E-Mail: info@horde.org