



Tiki Wiki CMS Groupware

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**Cypht integration in Tiki:
Email as a first-class citizen**



Jean-Marc Libs



I discovered Free Software on the Internet in 1995 and I have made it the centre of my professional activities ever since.

I discovered Tiki in 2006 and I immediately felt part of the Tiki community.

I live in Strasbourg where I have my own one-person company specialised on Tiki since 2011.

More on https://alsawiki.com/Who_we_are

Context

- Tiki and the Tiki community
- The Cypht project
- Collaboration

The Tiki community

What do we do?

Tiki is the Free/Libre/Open Source **Web Application with the most built-in features**, obviously including a webmail.

Who are we?

Started october 9, 2002 by Luis Argerich who left the project.

Community-managed open development, with an official **Tiki Software Community Association**

While consultants are available for hire, Tiki is "Community Open Source" vs "Commercial open source"

No single company, no benevolent dictator, no third-party plugins.

400 contributors to the code (many representing organizations) from all over the world.

For more info, see <https://tiki.org/Facts> or <https://tiki.org/Benefits>

Zawinski's Law

“Every program attempts to expand until it can read mail. Those programs which cannot so expand are replaced by ones which can.”

https://en.wikipedia.org/wiki/Jamie_Zawinski#Zawinski's_Law

The Cypht project

Cypht is an awesome Free / Libre / Open Source webmail written in PHP and JavaScript.

Cypht is perhaps the only Open Source webmail client that supports IMAP/SMTP + JMAP + EWS (Exchange Web Services)

« Cypht is the pluggable webmail of the PHP ecosystem. »

For more info, see <https://www.cypht.org/>

Main strong points

- aggregate emails from various sources in one nice list
- search throughout multiple accounts
- move emails to the right account (work vs personal vs volunteer, etc.)
- automate email management with Sieve filters
- all via a web interface (same experience on all devices)

The Cypht project

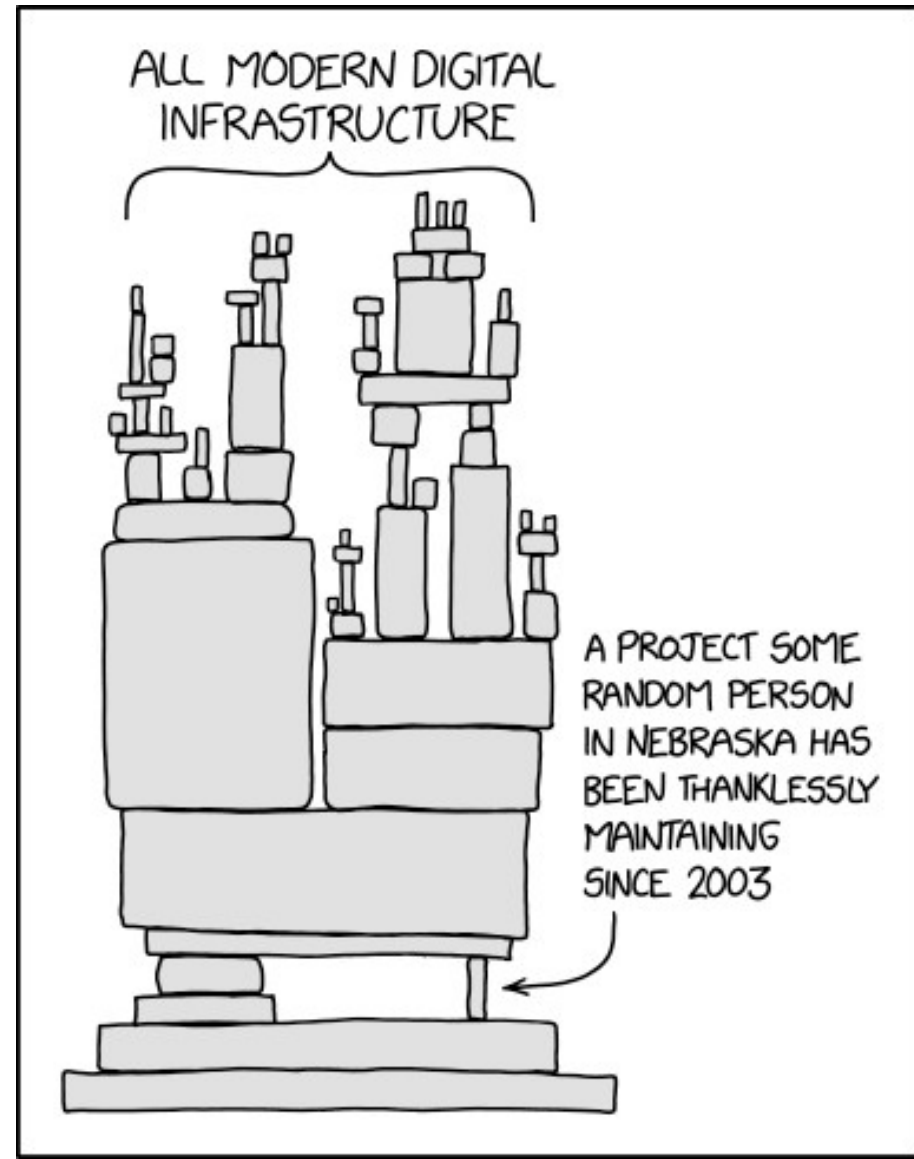
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<https://xkcd.com/2347/>



The Cyphrt project

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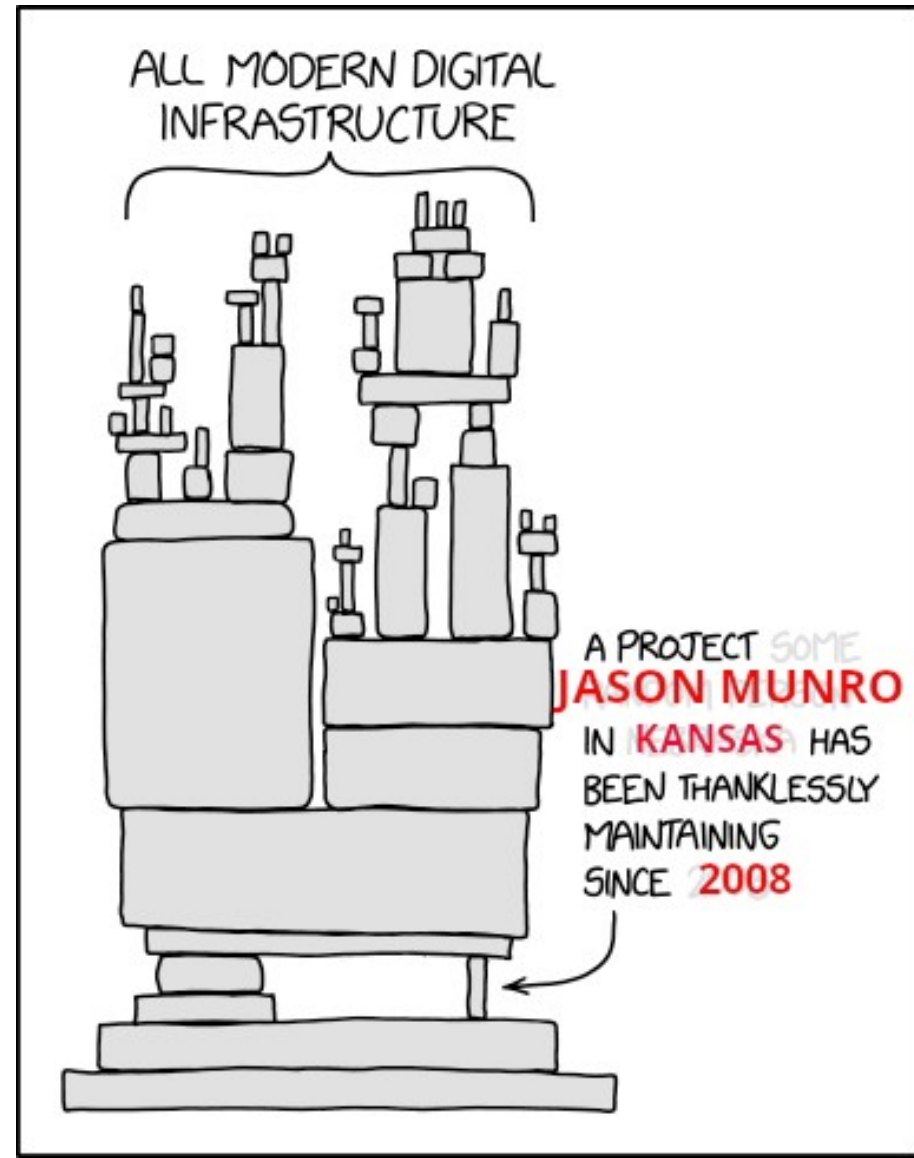
Cyphrt is perhaps the only Open Source webmail client that supports IMAP/SMTP + JMAP + EWS (Exchange Web Services)

« Cyphrt is the pluggable webmail of the PHP ecosystem. »

Thanks Jason Munro !

For more info, see <https://www.cyphrt.org/>

Inspiration: <https://xkcd.com/2347/>





The Tiki Community has more people



April 2013 Ottawa TikiFest

The Tiki Community has more people

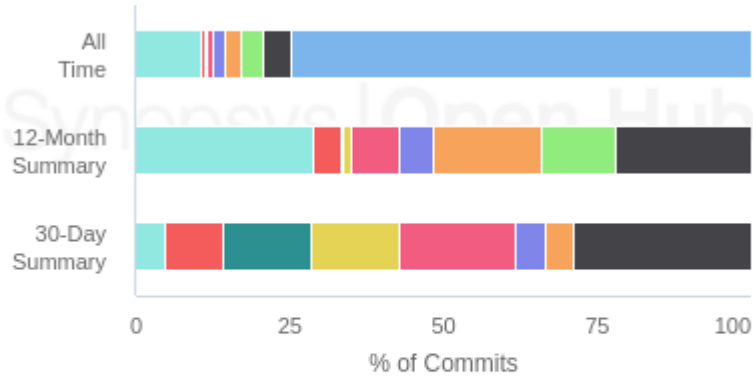


Marc Laporte reached out to Jason Munro and volunteered developer help from his Tiki company EvoluData. Cypht is shipped within Tiki as a feature since 2019 (Tiki20)

**Thanks
Marc Laporte !**

Tiki Community contributions

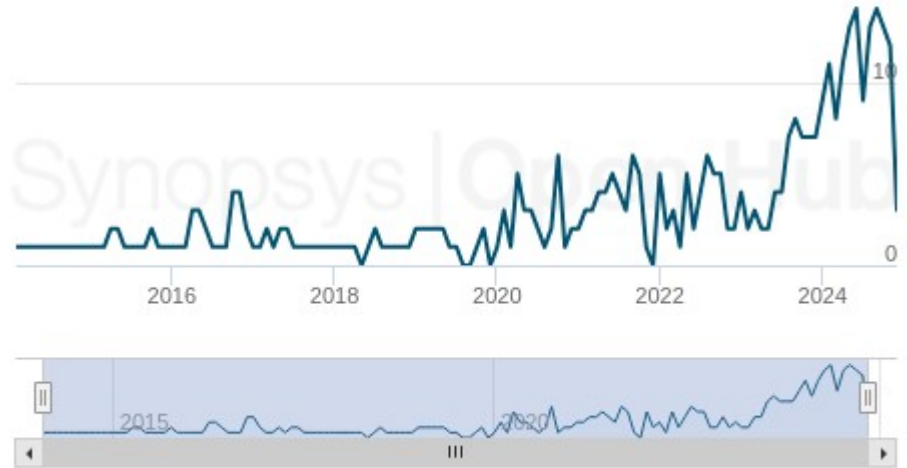
Commits by Top Contributors



- Jason Munro
- Victor Emanouilov
- Josaphat Imani nathan
- Steven Ngesera
- Marc Laporte
- Merci Jacob
- Alfred Syatsukwa
- John Livingston
- Baraka24
- Other

Number of Contributors

Zoom



Tiki community contributions

There is a second way of installing Cypht

- Install Cypht standalone (manual or Docker)
- Install Tiki and activate the Webmail feature

Cypht improved a lot

- Sieve filters, Blocking senders, Archive folders, Snooze emails, IMAP folder subscriptions, Delete attachments (but keep email), IMAP draft emails (instead of draft emails in browser sessions), etc.

We get extra stuff when Cypht is integrated in Tiki

- Emails can be moved in Tracker items (trackers are Tiki's database abstraction layer)
- Export as PDF
- Integrate with Tiki calendar feature
- CalDAV and CardDAV support

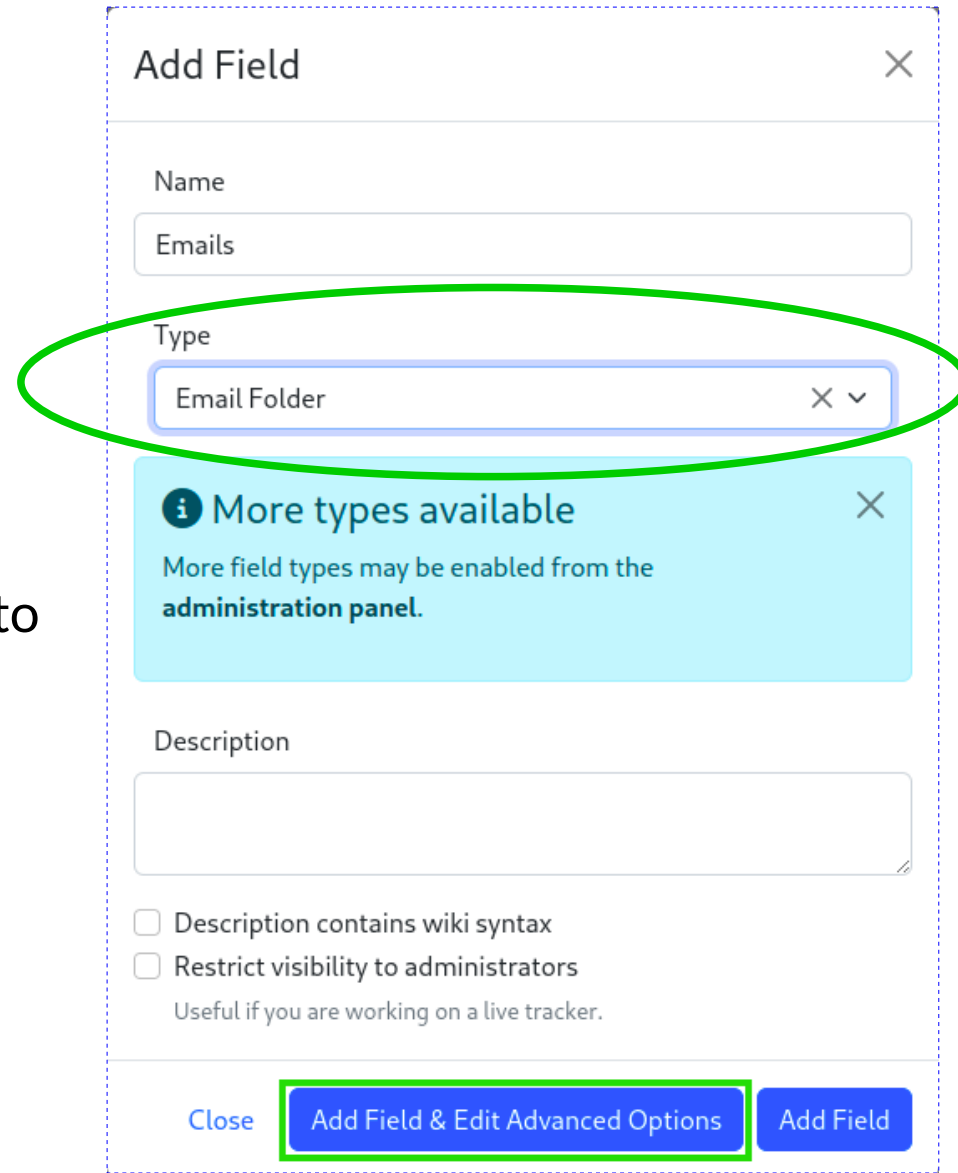
Moving emails to tracker items: How? Why?

- **Integration.** How is it configured?
- How it helps **collaboration.** An example.

How is it configured ?

Trackers are Tiki's database abstraction layer (like SQL tables).

Email Folder is a new Tracker field type able to hold a list of emails.



Add Field

Name

Emails

Type

Email Folder

i More types available

More field types may be enabled from the **administration panel**.

Description

Description contains wiki syntax

Restrict visibility to administrators

Useful if you are working on a live tracker.

Close Add Field & Edit Advanced Options Add Field

How is it configured ?

The feature uses Tiki file galleries for moved email storage.

These emails don't clutter the mailbox any more.

Options for Email Folder

Associate email messages with tracker items.

Gallery ID

File Galleries > Emails



File gallery to upload new emails into.

Use Folders

No



Use separate folders like Inbox, Sent, Trash, Archive.

Compose Page

Name of the wiki page where compose button will direct to. Leave empty for default Webmail page.

Exclude data and changes from email notifications

No



Data and changes to this field are not included in email notifications.

Webmail aggregator inside Tiki

Main

Search

Compose

Contacts

Drafts

Everything

Flagged

History

Junk

Sent

Trash

Unread **32**

Email

All

evoludata.com

jean-marc.libs@evoludata.com

@wikisuite.com

evoludata.ca

Settings

Home

Servers

Site

Profiles

Folders

Filters

Block List

Everything

Arrival Date ↓ ×



last 7 days - 4 sources@20 each - 47 total

<input type="checkbox"/>	monitoring...	root	Probably incoming DoS - Dogfood5: above 1000 Apach...	30 minutes, 20 ...
<input type="checkbox"/>	monitoring...	root	Probably incoming DoS - Dogfood5: above 1000 Apach...	1 hour, 11 minu...
<input type="checkbox"/>	monitoring...	root	Probably incoming DoS - Dogfood5: above 1000 Apach...	1 hour, 12 minu...
<input type="checkbox"/>	monitoring...	root	Probably incoming DoS - Dogfood5: above 1000 Apach...	2 hours, 10 min...
<input type="checkbox"/>	accounts@...	Amazon.ae	Shipped: [redacted] and 3 more i...	2 hours, 28 min...
<input type="checkbox"/>	monitoring...	root	Probably incoming DoS - Dogfood5: above 1000 Apach...	3 hours, 25 min...
<input type="checkbox"/>	monitoring...	root	Probably incoming DoS - Dogfood5: above 1000 Apach...	3 hours, 28 min...
<input type="checkbox"/>	monitoring...	root	Probably incoming DoS - Dogfood5: above 1000 Apach...	3 hours, 29 min...
<input type="checkbox"/>	monitoring...	root	Probably incoming DoS - Dogfood5: above 1000 Apach...	3 hours, 30 min...
<input type="checkbox"/>	monitoring...	root	Probably incoming DoS - Dogfood5: above 1000 Apach...	3 hours, 31 min...
<input type="checkbox"/>	monitoring...	root	Probably incoming DoS - Dogfood5: above 1000 Apach...	3 hours, 32 min...
<input type="checkbox"/>	monitoring...	webmin@clie...	Disk quota exceeded	4 hours, 15 min... +
<input type="checkbox"/>	accounts@...	Amazon.ae	Shipped: "HyperX Cloud II Gaming..."	4 hours, 34 min...
<input type="checkbox"/>	monitoring...	webmin@dogf...	Virtualmin Validation Failed	5 hours, 25 min... +
<input type="checkbox"/>	monitoring...	webmin@clie...	Virtualmin Validation Failed	5 hours, 34 min... +
<input type="checkbox"/>	monitoring...	supporter@on...	ODT - Mail Blacklist Monitor: Weekly report for 'sharedhosti...	6 hours, 54 sec...
<input type="checkbox"/>	accounts@...	GitLab	Action required: Less than 25% of compute minutes re...	6 hours, 48 min...
<input type="checkbox"/>	monitoring...	root	[rkhunter] [redacted] - Daily report	8 hours, 51 sec...
<input type="checkbox"/>	monitoring...	root	Probably incoming DoS - Dogfood5: above 1000 Apach...	8 hours, 31 min...
<input type="checkbox"/>	monitoring...	root	Probably incoming DoS - Dogfood5: above 1000 Apach...	8 hours, 40 min...
<input type="checkbox"/>	monitoring...	webmin@clie...	Virtualmin Validation Failed	8 hours, 46 min... +
<input type="checkbox"/>	monitoring...	root	Probably incoming DoS - Dogfood5: above 1000 Apach...	8 hours, 55 min...
<input type="checkbox"/>	monitoring...	root	Probably incoming DoS - Dogfood5: above 1000 Apach...	8 hours, 56 min...

Main

Q Search

Compose

Contacts

Drafts

Everything

Flagged

History

Junk

Sent

Trash

Unread 46

Email

All

evoludata.com

jean-marc.libs@evoludata.com

@wikisuite.com

INBOX 10821

Archive

Drafts

Junk

Queue

IMAP > .com > INBOX > Page 6

Opening an email

Disk quota exceeded

Date 2025-01-14T14:10:03+00:00 0 (1 week, 1 day)

From webmin@

To wikisuite.com

Cc

Tags Seen

Virtualmin Validation Failed

Probably incoming DoS - Dogfood5: above 1000 Apache connections

[ALL HEADERS](#) | [REPLY](#) | [REPLY-ALL](#) | [FORWARD](#) | [RAW](#) | [FLAG](#) | [UNREAD](#) | [DELETE](#) | [COPY](#) | [MOVE](#) | [ARCHIVE](#) | [TRACKERS](#) | [PDF](#) | [BLOCK SENDER](#)



Disk usage for user on filesystem / has reached 115% of the allowed quota.

5.77 GiB of disk space is being used, out of a maximum of 5 GiB.

multipart / mixed

[Download](#)

text / plain

158 B

quo... utf-8

[Download](#)

Main

Q Search

Compose

Contacts

Drafts

Everything

Flagged

History

Junk

Sent

Trash

Unread 46

Email

All

evoludata.com

jean-marc.libs@evoludata.com

@wikisuite.com

INBOX 10822

Archive

Drafts

Junk

Queue

Moving an email : select tracker (table)

IMAP > [redacted].com > INBOX

Disk quota exceeded

Date 2025-01-14T14:10:03+00:00 0 (1 week, 1 day)

From webmin@[redacted]

To [redacted]@wikisuite.com

Cc

Tags Seen

Virtualmin Validation Failed

Probably incoming DoS - Dogfood5: above 1000 Apache connections

[ALL HEADERS](#) | [REPLY](#) | [REPLY-ALL](#) | [FORWARD](#) | [RAW](#) | [FLAG](#) | [UNREAD](#) | [DELETE](#) | [COPY](#) | [MOVE](#) | [ARCHIVE](#) | [TRACKERS](#) | [PDF](#) | [BLOCK SENDER](#)

Disk usage for user [redacted] on filesystem / has reached 115% of the allowed quota.

5.77 GiB of disk space is being used, out of a maximum of 5 GiB.

Move to trackers... X

- EvoluData-expense - Emails
- Tasks - Emails



multipart / mixed

[Download](#)

text / plain

158 B

quo... utf-8

[Download](#)

Moving an email : select folder

- History
- Junk
- Sent
- Trash
- Unread** 46

Email

- All
- evoludata.com
- jean-marc.libs@evoludata.com
- @wikisuite.com
 - INBOX** 10823
 - Archive
 - Drafts
 - Junk
 - Queue
 - Sent
 - Trash
 - Manage Folders
- evoludata.ca

Settings

- Virtualmin Validation Failed
- Probably incoming DoS - Dogfood5: above 1000 Apache connections

[ALL HEADERS](#) | [REPLY](#) | [REPLY-ALL](#) | [FORWARD](#) | [RAW](#) | [FLAG](#) | [UNREAD](#) | [DELETE](#) | [COPY](#) | [MOVE](#) | [ARCHIVE](#) | [TRACKERS](#) | [PDF](#) | [BLOCK SENDER](#)

Disk usage for user [redacted] on filesystem / has reached 115% of the allowed quota.

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Move to trackers... X

- EvoluData-expense - Emails
- Tasks - Emails
- Inbox
- Sent
- Trash
- Archive



multipart / mixed

[Download](#)

text / plain

158 B

quo... utf-8

[Download](#)

Move an email : choose tracker item (record)

- History
- Junk
- Sent
- Trash
- Unread 46

Email

- All
- evoludata.com
- jean-marc.libs@evoludata.com
- @wikisuite.com
- INBOX 10822**
- Archive
- Drafts
- Junk
- Queue
- Sent
- Trash
- Manage Folders
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Settings

- Virtualmin Validation Failed
- Probably incoming DoS - Dogfood5: above 1000 Apache connections

ALL HEADERS | REPLY | REPLY-ALL | FORWARD | RAW | FLAG | UNREAD | DELETE | COPY | MOVE | ARCHIVE | TRACKERS | PDF | BLOCK SENDER

Move to trackers...

[EvoluData-expense - Emails](#)

[Tasks - Emails](#)

[Inbox](#)

field

Find

Search and select what you are looking for from the options that appear.

-
- ⓧ Tracker Field Factory Error: Pref "trackerfield_showtikiorg" required for field type "Tracker_Field_ShowTikiOrg"
- 🟡 Ordered list value picker for tracker fields
- ⓧ XMPP tracker field type (in Tiki)?
- ⓧ Rename tracker field should update import/export formats too
- 🟡 Tiki Trackers: Tracker Fields select actions
- ⓧ Stricter Tiki: Fields not founds during index rebuild
- 🟢 Trackers: file field type: should be possible to upload a new version of a file
- 🟡 Dogfood: Files tracker field should be smarter when files are not images
- 🟢 Tracker fields: improve List, Title, Search, Public in the UX and the docs
- ⓧ Tracker validation fails for fields that aren't multi-valued by nature (i.e ItemLink, Category, etc.) when the multi value selection is set via a field option
- ⓧ Discounts : create a discount doesn't work and the field CODE is not correctly interpreted
- 🟡 Make the search field more user friendly in tiki-listpages
- ⓧ Email folders Tracker Field: Not possible to move multiple emails to tracker item

The email is now available in the tracker item view

Help [redacted] with his server

Edit

Status

● Open

Resolution Status

6d- 75-99% done

Priority

2 Must

Task

Help [redacted] with his server

Add a timesheet

Add a timesheet for this task

Files

1. Screenshot 2025 01 01 224027

Emails

Compose
Inbox (12)
Sent (5)

Job

wikiSuite::Hardware / Internet of Thing IOT

Assigned to

[redacted]

Assigned by

marclaporte

Also visible to

5- Visible to Regular Team members

Related

- 1 Top Priority: Fix issues reported / demonstrated by [redacted] assigned to [redacted]
- 1 Top Priority: IoT: Get data from Physical Objects (Sensors, Microcontrollers, Espruino Bangle.js 2, Puck.js, etc.) into Tiki assigned to [redacted]
- 2 Must: IoT / Tiki API development: status report from [redacted] as of 2023-12-08 assigned to [redacted]

Related timesheets

Total minutes worked

395

Groups of the users assigned to this task

Client-[redacted]
Junior dev
Ops
Team
Team Goma





The tracker item is where the collaboration happens

Assigned by
Also visible to
Related

marclaporte
5- Visible to Regular Team members

- 1 Top Priority: Fix issues reported / demonstrated by [redacted] assigned to [redacted]
- 1 Top Priority: IoT: Get data from Physical Objects (Sensors, Microcontrollers, Espruino Bangle.js 2, Puck.js, etc.) into Tiki assigned to [redacted]
- 2 Must: IoT / Tiki API development: status report from [redacted] as of 2023-12-08 assigned to bruno.kambere, elvis.ansima, john.ndiwayesu

Related timesheets
Total minutes worked

Groups of the users assigned to this task

Email of "Assigned to"

Created

LastModif

Related

395

Client [redacted]
Junior dev
Ops
Team
Team Goma

[redacted]e@gmail.com

Sunday 15 of December, 2024 20:14:24 EST
by Marc Laporte

Saturday 04 of January, 2025 04:47:56 EST

Comments



Update

2024-12-19 19:23

A screen-sharing session was conducted on December 18, 2024, during which we successfully installed WikiSuite on [redacted] however, we are currently facing an issue with external access to the Virtualmin instance.

I've reached out to ([redacted]) in the **WikiSuite and Virtualmin** [redacted] for guidance.

Reply



Firewall Port Configuration for Virtualmin and Tiki

2025-01-01 15:47

Virtualmin (WikiSuite) is now running on the server. The issue was caused by the server provider's firewall blocking port 10000, preventing external access to Virtualmin. We contacted the support team and opened the necessary ports: 10000 for Virtualmin, and 443 and 80 for Tiki.



Use cases

- Task/project Management
- Customer Relationship Management
- Accounting (So many invoices come in via email)
- Calls for tenders
- And many others

Conclusion

Email handling (reading, replying and archiving) should be part of a larger collaborative workflow.

Instead of one gigantic mail store, we should have a number of smaller ones that make sense to one's workflow (ex.: around projects, tasks, clients, etc.) and that can easily be shared and prioritized.



Thank you

any questions?

More about the projects :

<https://tiki.org>

<https://www.cypht.org>

Ask questions to the communities:

https://app.gitter.im/#/room/#tiki-org_community:gitter.im

https://app.gitter.im/#/room/#cypht-org_community:gitter.im