

ansible-tine

out of the box mailserver, crm, cms solution

Stefan Helmert

<https://www.entroserv.de/de/offene-software/ansible-tine>

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We need

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Motivation

→ **let's run a startup company** ←

We need:

- ▶ Webpage (CMS)
- ▶ E-Mail (Mailserver, Spamfilter)
- ▶ Mailinglist
- ▶ Groupware, CRM
- ▶ **and the s for security**

DeMotivation

→ **let's run a startup company** ←

IT-Infrastructure:

- ▶ Cloud Solution
 - ▶ DSGVO?
 - ▶ Lock-In?
 - ▶ Security?
 - ▶ price?
- ▶ Self-Hosted
 - ▶ Installation?
 - ▶ Configuration?
 - ▶ Updates?
 - ▶ Backups?
 - ▶ Documentation?
 - ▶ Will it work?
- ▶ Self-Hosted using integrated solution
 - ▶ everything fully supported?
 - ▶ price?
- ▶ Dedicated-Hosting by IT-Service
 - ▶ price?

We need

...to get ready **NOW**

- ▶ **self-hosted** but:
- ▶ easy to install
- ▶ easy to configure
- ▶ easy to integrate
- ▶ useful defaults

→ Fill out form and click **START**

We need

... useful **TOOLS** and **FEATURES**

- ▶ E-Mail (Webmail, SMTP, IMAP, Exchange)
- ▶ Default signature
- ▶ Multiuser + Frontend for administration
- ▶ Mail-Alias
- ▶ Quota
- ▶ Sieve integration
- ▶ Spamfilter with Learning (integrated in Mailclient)
- ▶ Autoconfig (Thunderbird), Autodiscovery (ActiveSync)
- ▶ Calendar (Web, Caldav and ActiveSync)
- ▶ Addressbook (syncned)
- ▶ Mailinglist
- ▶ TLS, TLSA, DKIM, DMARC, SPF, ADSP, ARC
- ▶ Filestorage
- ▶ Backup
- ▶ Flatfile CMS

We need

...some nice to have tools

- ▶ Human Resource Management
- ▶ CRM
- ▶ Timekeeping
- ▶ Base data
- ▶ Sales
- ▶ Task Planning
- ▶ Inventory management

Components

- ▶ Tine 2.0
- ▶ Apache2
- ▶ Postfix
- ▶ Dovecot
- ▶ Sieve
- ▶ MySQL/Mariadb
- ▶ Rspamd
- ▶ Mailman
- ▶ Cryptdomainmgr (+ dehydrated)
- ▶ Cron
- ▶ Ansible
- ▶ inwx.de
- ▶ Letsencrypt
- ▶ Grav

Components

- ▶ Tine 2.0
 - ▶ Accountmanagement, Administration
 - ▶ ActiveSync, Exchange
 - ▶ Caldav
 - ▶ Carddav
 - ▶ Groupware, CRM and additional tools
 - ▶ Webmail
 - ▶ Filestorage
- ▶ Apache2
 - ▶ Web-UIs
 - ▶ Webpage
 - ▶ PHP
 - ▶ TLS
- ▶ Postfix
 - ▶ SMTP
- ▶ Dovecot
 - ▶ IMAP
- ▶ Sieve
 - ▶ Filtering
 - ▶ Control remote spam/ham learning
- ▶ MySQL /Mariadb

Getting started

Domain

Currently only Internetworx (inwx.de) supported;
No reseller support yet

- ▶ create account
 - ▶ username and password for automatic update needed
 - ▶ individual account for client required
- ▶ register domain

Getting started

Server

Smallest V-Server (1 GB RAM, 50 GB SSD)

- ▶ install full Server Ubuntu 18.04 or Debian 9
- ▶ enable SSH root access

Getting started

Deploy

Config – CRM, email

vars/common.yml

```
1 hostname: "pserver"
2 tld: "entroserv.de"
3 subdomain: "{{ tld }}"
4 servername: "pserver"
5 domain: "{{ servername }}.{{ subdomain }}"
6 tinedomains:
7     - "tine20.{{ subdomain }}"
8 rspamdomains:
9     - "rspamd.{{ subdomain }}"
10 emaildomain: "{{ subdomain }}"
11 imapuserdomain: "entro"
12 tlsa: 'auto:3:1:1:auto:2:0:1'
```

Getting started

Deploy

Config – Mailinglist

vars/common.yml

```
1 defaultlistmap:
2     { emaildomain: "lists.{{ subdomain }}",
3       webdomain: "www.lists.{{ subdomain }}",
4       mx: '{{ subdomain }}' }
```

Getting started

Deploy

Config – CMS, web

vars/common.yml

```
1 webdomains:
2   - "www.{{ subdomain }}"
3   - "{{ subdomain }}"
4 grav_admin_user: "admin"
5 grav_admin_email:
6   "{{ tine20_admin_name }}@{{ emaildomain }}"
```

Getting started

Deploy

Config – multidomain

vars/common.yml

```
1 emailmaps:
2   - { emaildomain: "entroserv.net",
3       mx: "{{ domain }}" }
4   - { emaildomain: "entroserv.com",
5       mx: "{{ domain }}" }
6 listmaps:
7   - { emaildomain: "lists.entroserv.net",
8       webdomain: "www.lists.entroserv.net",
9       mx: '{{ domain }}' }
10  - { emaildomain: "lists.entroserv.com",
11      webdomain: "www.lists.entroserv.com",
12      mx: '{{ domain }}' }
```

Getting started

Deploy

Config – TLS certificate

vars/cert.yml

```
1 certemail: "stefan.helmert@t-online.de"
2 certextra: []
3 certocsp:
4   - "--ocsp"
5 certbaselocation: "/etc/ssl"
```


Getting started

Deploy

Config – internetworx login

vars/inwx.yml

```
1 inwxlogin: "entroserv"
```

Config – internetworx password

vars/inwx.yml

```
1 inwxpasswd: "*****"
```

Getting started

Deploy

Config – all passwords

vars/passwords.yml

```
1  rspamd_pw: "{{ lookup('password', 'credentials/'  
2      + inventory_hostname  
3      + '/rspamd_pw.txt chars=ascii_letters,  
4      digits') }}"  
5  [...]
```

Getting started

Deploy

Start Ansible-Playbook

```
1 ansible-playbook deploy_playbook.yml -i hosts
```

```
PLAY [crm-server] *****
```

```
TASK [up : Debug host] *****
```

```
ok: [92.60.36.246 -> localhost] => {
```

```
    "msg": "92.60.36.246"
```

```
}
```

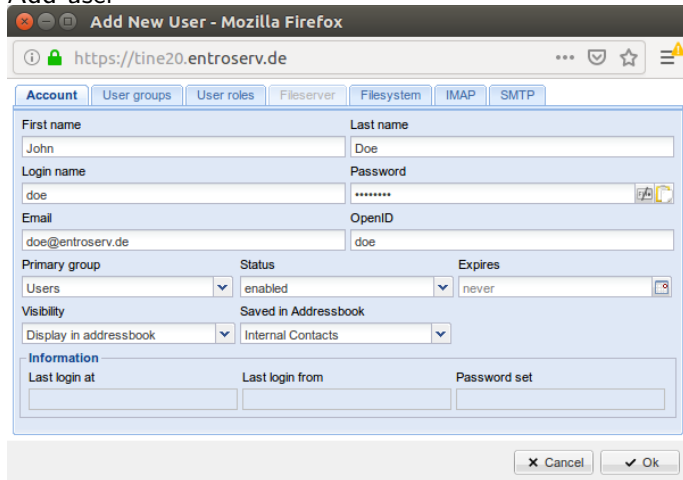
```
TASK [up : Waiting for startup] *****
```

```
ok: [92.60.36.246 -> localhost]
```


Getting started

Setup

Add user



The screenshot shows a Mozilla Firefox window titled "Add New User - Mozilla Firefox" with the address bar displaying "https://tine20.entroserv.de". The "Account" tab is selected, showing a form for adding a new user. The form includes fields for First name (John), Last name (Doe), Login name (doe), Password (masked with dots), Email (doe@entroserv.de), and OpenID (doe). There are also dropdown menus for Primary group (Users), Status (enabled), Expires (never), Visibility (Display in addressbook), and Saved in Addressbook (Internal Contacts). At the bottom, there is an "Information" section with fields for Last login at, Last login from, and Password set. The "Cancel" and "Ok" buttons are at the bottom right.

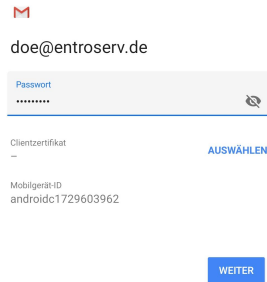
Account		
First name	Last name	
John	Doe	
Login name	Password	
doe	*****	
Email	OpenID	
doe@entroserv.de	doe	
Primary group	Status	Expires
Users	enabled	never
Visibility	Saved in Addressbook	
Display in addressbook	Internal Contacts	
Information		
Last login at	Last login from	Password set

Important: User must login and relogin to use email.

Getting started

Setup

ActiveSync autodiscovery on Android



doe@entroserv.de

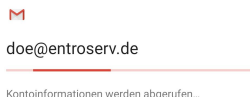
Passwort

Clientzertifikat
—

Mobilgerät-ID
androidc1729603962

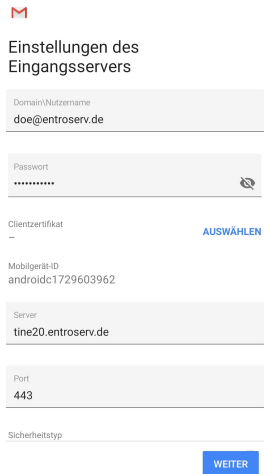
AUSWÄHLEN

WEITER



doe@entroserv.de

Kontoinformationen werden abgerufen...



Einstellungen des Eingangsservers

Domain\Nutzername
doe@entroserv.de

Passwort

Clientzertifikat
—

Mobilgerät-ID
androidc1729603962

Server
tine20.entroserv.de

Port
443

Sicherheitstyp

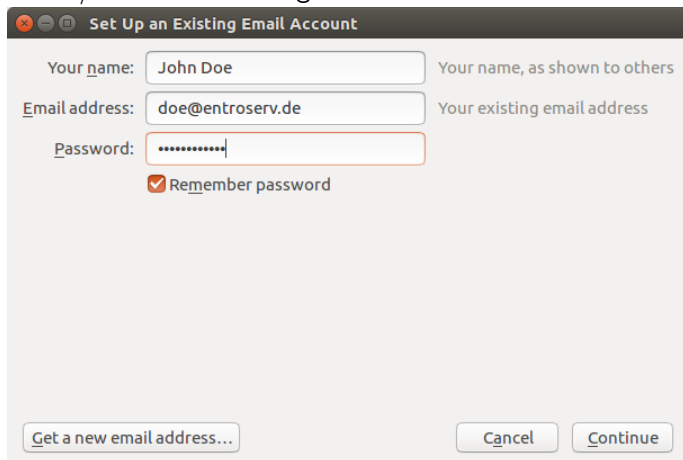
WEITER

Because: `https://autodiscover.entroserv.de/autodiscover/autodiscover.php`

Getting started

Setup

IMAP/SMTP autoconfig for Thunderbird



The screenshot shows a window titled "Set Up an Existing Email Account" with a dark header bar. Inside the window, there are three text input fields and a checkbox. The first field is labeled "Your name:" and contains the text "John Doe". The second field is labeled "Email address:" and contains the text "doe@entroserv.de". The third field is labeled "Password:" and contains a series of dots. To the right of each field is a descriptive label: "Your name, as shown to others", "Your existing email address", and "Your password" (partially obscured). Below the password field is a checkbox labeled "Remember password" which is checked. At the bottom of the window, there are three buttons: "Get a new email address...", "Cancel", and "Continue".

Set Up an Existing Email Account

Your name: Your name, as shown to others

Email address: Your existing email address

Password: Your password

☒ Remember password

Getting started

Setup

After < 1 s

Set Up an Existing Email Account

Your name: Your name, as shown to others

Email address: Your existing email address

Password:

☒ Remember password

Configuration found at email provider

☒ IMAP (remote folders) ☐ POP3 (keep mail on your computer)

Incoming: IMAP, pserver.entroserv.de, STARTTLS

Outgoing: SMTP, pserver.entroserv.de, STARTTLS

Username: doe@entro

Because:

<https://autoconfig.entroserv.de/mail/config-v1.1.xml>

Getting started

Setup

Calendar setup in Tine2.0

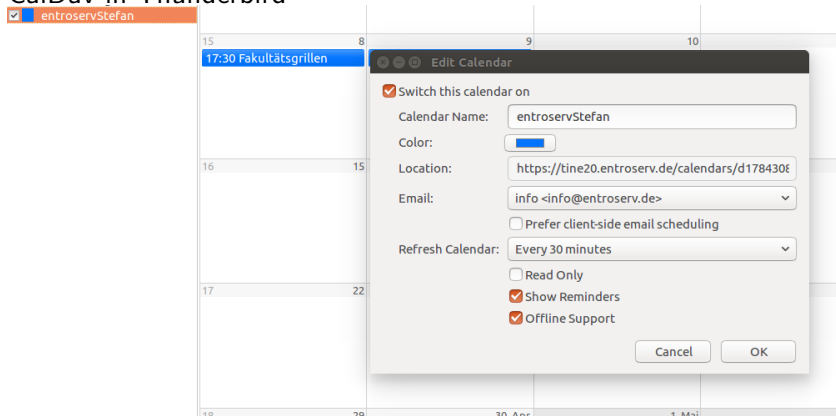
The screenshot displays the Tine2.0 calendar application. On the left, a sidebar shows the navigation pane with sections for 'KALENDER' (All calendars, My calendars, Shared calendars, Other users' calendars) and 'TEILNEHMER' (Participants). Below this is a 'MINI KALENDER' for April 2019. The main area shows a calendar grid with a time slot from 15:00 to 20:00. An event titled 'Fakultätsgrillen' is scheduled for 17:30. A properties dialog box is open on the right, titled 'Eigenschaften von Kalender "Stefan Helmerts persönlicher Kalender"'. The dialog contains the following fields and controls:

- Name:** Stefan Helmerts persönlicher Kalender
- Hierarchy/Name:** (empty field)
- Farbe:** (orange color swatch)
- Meine Zugriffsrechte:** Lesen, Hinzufügen, Bearbeiten, Löschen, Private
- Busy:** (checkbox)
- CalDAV URL:** <https://tine20.entroserv.de/calendars/d1784308b42d9e6fe>
- Buttons:** Abbrechen, Ok

Getting started

Setup

CalDav in Thunderbird



Is there CalDav autoconfig available?

Getting started

Setup

Adminpanel of mailman

← → ↻ 🔒 https://www.lists.entroserv.de/admin/lounge/... ☆ 📁 🛡️ 📄 📧 📧 📧 📧 📧 📧 📧 📧 📧 📧

Lounge mailing list administration Membership Management... Section

Configuration Categories	Other Administrative Activities
<ul style="list-style-type: none">• General Options• Passwords• Language options• Membership Management...<ul style="list-style-type: none">◦ [Membership List]◦ Mass Subscription◦ Mass Removal◦ Address Change• Non-digest options• Digest options	<ul style="list-style-type: none">• Privacy options...• Bounce processing• Archiving Options• Mail<->News gateways• Auto-responder• Content filtering• Topics <ul style="list-style-type: none">• Tend to pending moderator requests• Go to the general list information page• Edit the public HTML pages and text files• Go to list archives• Logout

Make your changes in the following section, then submit them using the *Submit Your Changes* button below.

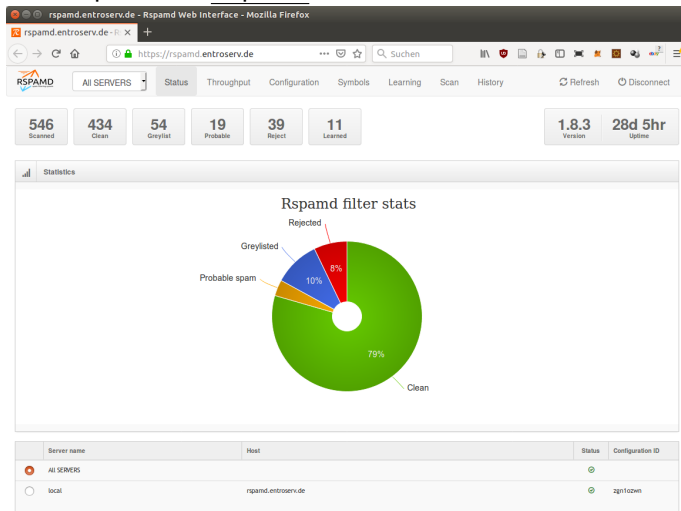
Membership List

Find member ([help](#)):

Getting started

Usage

UI of Spamfilter Rspamd



Getting started

Usage

Rspamd learns Spam and Ham

rspamd.entroserv.de - Rspamd Web Interface - Mozilla Firefox

rspamd.entroserv.de - R x +

https://rspamd.entroserv.de

Suchen

RSPAMD

All SERVERS

Status Throughput Configuration Symbols **Learning** Scan History

Refresh Disconnect

Learn RSPAMD

Insert raw SPAM source:

Insert raw HAM source:

Insert raw Fuzzy storage:

Flag 1

Weight 1

Upload text

Upload text

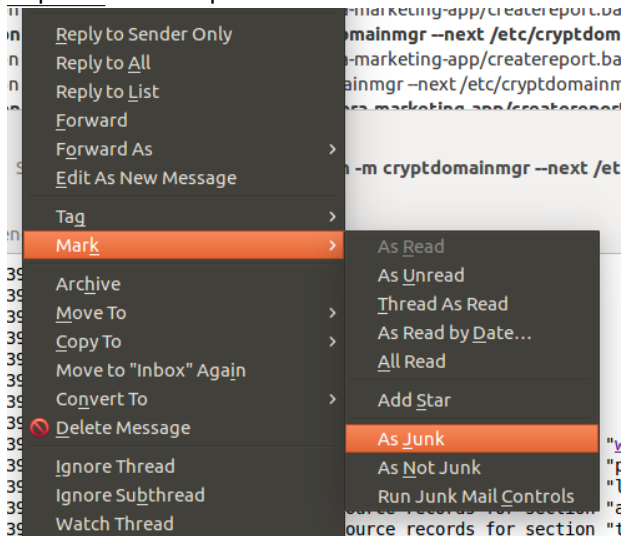
Upload text

Upload text

Getting started

Usage

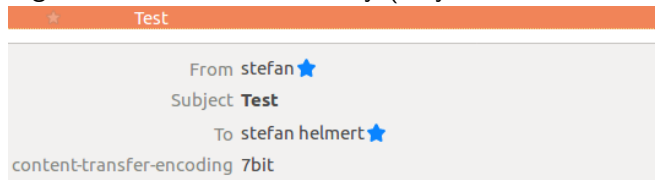
Rspamd learns Spam and Ham from Thunderbird



Getting started

Usage

Signature added automatically (only tine20 and exchange)



Test

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Stefan Helmert
Brückenstr. 2
09111 Chemnitz

Web: <https://www.entroserv.de>

E-Mail: info@entroserv.de

Impressum: <https://www.entroserv.de/impressum>

Datenschutz: <https://www.entroserv.de/datenschutzerklaerung>

Discussion

???