

# ansible-tine

out of the box mailserver, crm, cms solution

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

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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 (synced)
- ▶ 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](http://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 [...]
```

# Discussion

???