

VOLTECH ESP Installation

ENTERPRISE CLOUD-BASED SERVICES PLATFORM



VOL.TECH

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VOL.TECH

VOLTECH ESP RELEASE NOTE

Notice

- For installation and upgrading, please follow "ESP Installation Guide" operation seriously.

Controller Version

- ESP 1.2.7.1004

ESP Hardware Spec

| AP/Clients | Specification | Authentication Service/Profile | Hard disk I/O | System |
|---------------------------|---------------------------------|--------------------------------|---------------------------------|--------------------------|
| Single Deployment | | | | |
| 50APs + 1000Clients | 4 Cores CPU+16GB Memory+1T HDD | On | Read: 1.7GB/s Write: 134MB/s | Ubuntu16.0 4.x Server |
| 256APs + 5000Clients | 8 Cores CPU+16GB Memory+1T HDD | On | | |
| 500APs + 10000Clients | 12 Cores CPU+32GB Memory+1T HDD | On | | |
| 1000APs + 20000Clients | 24 Cores CPU+32GB Memory+1T HDD | On | | |
| Cluster Deployment | | | | |
| 2000APs + 10000Clients | 12 Cores CPU+32GB Memory+2T HDD | Off | Read: 1.7GB/s Write: 134MB/s | Ubuntu16.0 4.x Server |
| 6000APs + 30000Clients | 24 Cores CPU+32GB Memory+2THDD | Off | | |

SOFTWARE INSTALLATION

Stand Alone installation

Saat akan menginstall, wajib menggunakan user **root**. Bukan user root yang di modifikasi menjadi user lain.

1. Disarankan untuk memiliki direktori yang sesuai untuk setiap versi dan membuat direktori dengan nomor versi seperti perintah:

- `mkdir -p /tmp/1.2.7.1004`

2. Pindahkan paket instalasi yang telah diunggah ke direktori versi yang sesuai:

- `mv /tmp/esp-1.2.7.1004.tar.gz /tmp/1.2.7.1004`

3. Masuk ke direktori dimana paket instalasi berada:

- `cd /tmp/1.2.7.1004`

4. Ekstrak paket instalasi yang disediakan:

- `tar -xzf esp-1.2.7.1004.tar.gz`

5. Masuk ke direktori setelah dekompresi pada langkah 4:

- `cd /tmp/1.2.7.1004/data/package-Ruohua`

6. Ubah izin eksekusi skrip instalasi, ketik perintah:

- `sudo chmod 755 ./deployment-all.sh`

7. Jalankan perintah instalasi:

- `./deployment-all.sh`

^Silakan pilih kode instalasi seperti pada gambar berikut:

```
1. Install/Upgrade
2. Uninstall
3. Config New IP
4. Config Nat Network
5. Backup Database
Please input your Choice:1
You Will Install/Upgrade Plateform!
Please input your Installation code,VOL
Please input the type of plateform you want to install:(esp/csp)esp
Do you want to install SAMP mode?(y/n)n
start uninstall old version
```

Annotations in the image:

- kode instalasi: 1 (points to '1')
- kode instalasi: VOL (points to 'VOL')
- tipe installasi pilih: esp (points to 'esp')
- install SAMP pilih: n (points to 'n')

Deskripsi kode installasi::

- 1.Install/Upgrade ESP
- 2.Uninstall ESP
- 3.Configure new IP address of ESP
- 4.Configure NAT network
- 5.Backup database

SOFTWARE INSTALLATION

Stand Alone installation

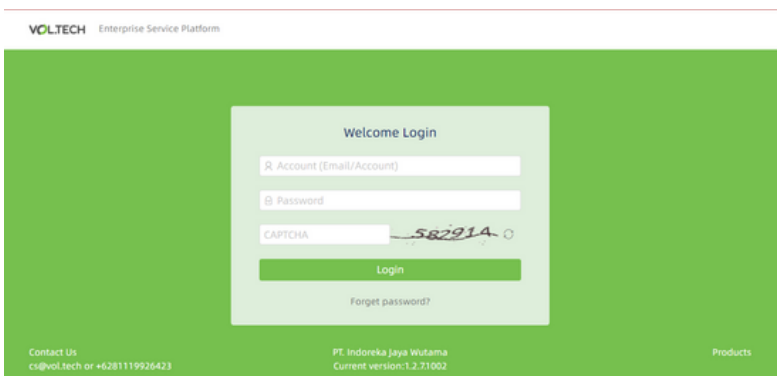
8. Tunggu hingga proses selesai. Jika spesifikasi server ESP sama dengan atau lebih dari 12 core dan 32G memori, tidak akan ada pilihan yang dipilih secara default. Instal versi fungsional penuh.
9. Jika spesifikasi server ESP kurang dari 12 core dan 32G memori, tetapi sama dengan atau lebih dari 8 core dan 16G memori, masukkan informasi yang sesuai seperti yang ditunjukkan pada gambar berikut:

```

uninstall complete!
Installation code: Huaxin
TYPE:esp
1. stand alone
2. cluster
Please choose mode(1/2):1
1. ESP Full Version
2. ESP QoE Version
3. ESP Lite Verison
which Version do you want to install?2
Enter server IP:192.168.2.34
IP 192.168.2.34 format correct!
===== 192.168.2.34 is up =====
Enter server IPV6 address:
Enter your company info:
Enter your address info:
Enter your phonenum info:
===== your mode is stand alone=====
===== your server IP is 192.168.2.34=====
===== your server IPV6 address is =====
===== Installation code is: Huaxin=====
===== your company name is: =====
===== your address is: =====
===== your phonenum is: =====
===== the version is: 1.1.4.1004=====
Are we continue?(y/n)y
Generating public/private rsa key pair.
Your identification has been saved in /root/.ssh/id_rsa.
Your public key has been saved in /root/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:zErkwc6IboeoQAMN1/g3Kt1Kw5vasv+r1PQD13h8feg root@ubuntu
The key's randomart image is:
+----[RSA 2048]-----
|.+. . . . .
|.+. . . . .
|.+. . . . .
|.+. . . . .
|.+. . . . .
|.+. . . . .
|.+. . . . .
|.+. . . . .
|.+. . . . .
|.+. . . . .
+----[SHA256]-----
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/root/.ssh/id_rsa.pub"
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys
root@192.168.2.34's password:

```

kode instalasi: 1
 kode instalasi: 3
 Masukkan IP WAN interface (apabila ada WAN dan LAN)
 Bisa diisi (Opsional)
 Pilih: y
 Masukkan password account root server anda

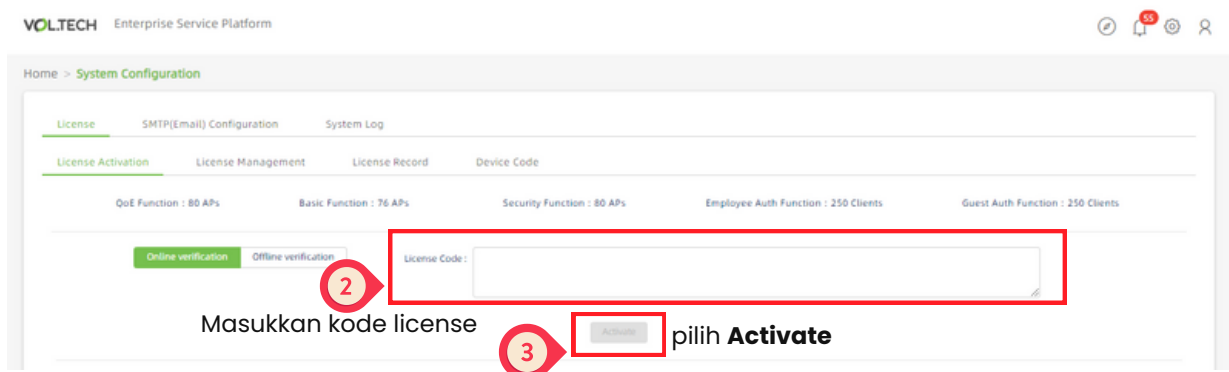
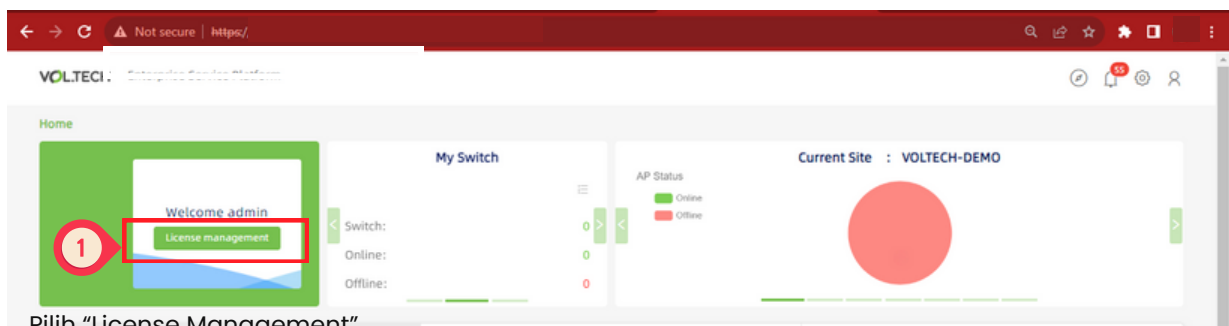


Akses ke ESP via web dengan IP server ESP/domain jika sudah di set:
 Login ke ESP (Jika Default)
 User name: admin
 Password : Admin@01
 Captcha : sesuai kode

SOFTWARE INSTALLATION

Aktivasi License VOLTECH ESP

10. Tunggu hingga proses selesai. Jika spesifikasi server ESP sama dengan atau lebih dari 12 core dan 32G memori, tidak akan ada pilihan yang dipilih secara default. Instal versi fungsional penuh.



Kode license ESP adalah free atau tidak berbayar, silakan menghubungi kami di WA: 081119926423 atau email di cs@vol.tech.

Catatan:

Selanjutnya tentang bagaimana cara meregister atau adopsi AP secara massal dan otomatis ke ESP (tanpa login/action apapun, cukup nyalakan AP), silakan mengikuti panduan:

Adoption Cloud Management (ESP) Pada Project

Untuk cara konfigurasi AP di ESP bisa mengikuti panduan berikut:

VOL.TECH ESP Configuration Template for Governments Project

File bisa didownload di <https://vol.tech/download>