

WNAM 1.5 (Wi-Fi) middleware-, WNAM EM (Equipment Manager). , WNAM, REST API, ().

. () , Mikrotik, Cisco ASR, Juniper MX, Alcate-Lucent SR, pfSense .., Wi-Fi. , Wi-Fi L2-, .

WNAM WNAM EM / IP- , - . Cisco, Huawei, Zyxel, Unifi.

WNAM EM ". WAR-.

/home/wnam/em . application.properties :

```
spring.application.name=WNAM EM
server.use-forward-headers=true
server.tomcat.basedir=.
server.tomcat.accesslog.enabled=true
server.port=8082
server.address=0.0.0.0
spring.data.mongodb.uri=mongodb://127.0.0.1:27017/em
key=12345
configfile=ctrl.json
```

ctrl.json :

```
[
{
  "id": "1",
  "name": "CiscoWlc",
  "location": "Office",
  "type": "CISCO",
  "community": "public",
  "ip": "172.16.111.67",
  "sites": ["1", "11", "12", "14", "15", "33", "34", "35", "36", "24", "25", "26", "27", "28", "30", "31", "32", "23"]
},
{
  "id": "2",
  "name": "ZyxeL_A",
  "location": "Airport",
  "type": "ZYXEL",
  "community": "public",
  "ip": "172.16.126.2",
  "sites": ["2"]
},
{
  "id": "3",
  "name": "ZyxeL_Test",
  "location": "Test",
  "type": "ZYXEL",
  "community": "public",
  "ip": "172.16.247.20",
  "sites": ["4", "7", "43", "46", "62", "61", "63", "8"]
},
{
  "id": "4",
  "name": "CiscoWlc_LAB",
  "location": "LAB",
  "type": "CISCO",
  "community": "public",
  "ip": "172.16.244.2",
  "sites": ["17", "18", "16", "19", "20", "21"]
},
{
  "id": "5",
  "name": "Huawei_S",
  "location": "Sklad",
  "type": "HUAWEI",
  "community": "Public",
  "ip": "172.16.11.12",
  "sites": ["9", "10", "5"]
},
{
  "id": "6",
  "name": "Huawei_D",
  "location": "Demo Room",
  "type": "HUAWEI",
  "community": "Public",
  "ip": "172.16.11.13",
  "sites": ["39", "40", "41", "42"]
},
{
  "id": "7",
  "name": "UniFi",
  "location": "LAB2",
  "type": "UNIFI",
  "username": "wnam",
  "password": "wnam",
  "ip": "192.168.24.2",
  "sites": ["6", "29", "51", "55", "56", "52", "44", "53", "45", "47", "37", "3", "57", "68", "65", "50", "75", "71", "69", "76", "73", "74"]
}
]
```

, ID , , sites :

```
"sites":["*"]
```

:

```
chmod +x em-1.0.2.war
```

```
chmod wnam:wnam em-1.0.2.war
```

```
ln -s em-1.0.2.war em.war
```

:

```
ln -s /home/wnam/em/em.war /etc/init.d/em
update-rc.d em defaults
update-rc.d em enable

systemctl start em
```

, /home/wnam/em/logs/em.log. , WNAM . :

1. "" "" middleware- WNAM EM, wnam_em_url <http://localhost:8082/api/1.0/> () API wnam_em_key (12345).
2. "RADIUS" (" " " " WNAM EM MAC Start/Stop ".

Изменение площадки

Параметры

Авторизация

Приветствие

Ограничения

Категории

RADIUS

Атрибуты предварительной авторизации

Атрибуты CoA / пост-авторизации

Тэг или регион

☒ Запрашивать WNAM EM о MAC адресе точки доступа в момент Start/Stop сессии пользователя

Вкл.

Сбросить сессии

Удалить

Сохранить изменения

Заккрыть