

phpIPAM

Introduction

phpIPAM - Open source IP address management.

phpipam is an open-source web IP address management application (IPAM). Its goal is to provide light, modern and useful IP address management. It is php-based application with MySQL database backend, using jQuery libraries, ajax and HTML5/CSS3 features.

URLs:

- Home: <https://phpipam.net/>
- API: https://phpipam.net/api/api_documentation/
- Github: <https://github.com/phpipam/>

Installation

- <https://phpipam.net/documents/installation/>

Requirements

1. Apache2 webserver with php support or Nginx with php-fpm
2. Mysql server (5.1+)
3. PHP:
 - version 5.3 supported to phpipam version 1.3.1
 - version 5.4
 - version 7.2 and higher supported from phpipam release 1.3.2
4. PHP modules:
 - pdo, pdo_mysql : Adds support for mysql connections
 - session : Adds persistent session support
 - sockets : Adds sockets support
 - openssl : Adds openSSL support
 - gmp : Adds support for dev-libs/gmp (GNU MP library) -> to calculate IPv6 networks
 - ldap : Adds LDAP support (Lightweight Directory Access Protocol – for AD also)
 - crypt : Add support for password encryption
 - SimpleXML: Support for SimpleXML (optional, for RIPE queries and if required for API)
 - json: Enable JSON support

4. Token ?????????????????? API ???

- ?????? Token?
- ?????????? Token?(?: ? Token ??????)

???????? token: /api/{app_id}/user/

TIP: ??????????????????????

```
#> curl -X POST --user admin:thisispassword http://10.10.2.207/api/devapro/user/ -i

HTTP/1.1 200 OK
Date: Wed, 15 Jun 2022 05:40:01 GMT
Server: Apache/2.4.6 (CentOS) PHP/5.4.16
X-Powered-By: PHP/5.4.16
Set-Cookie: phpipam=ttm3cg1ctpq1vqn2lv1rht3kl1; expires=Thu, 16-Jun-2022 05:40:01 GMT; path=/; HttpOnly
Expires: Thu, 19 Nov 1981 08:52:00 GMT
Cache-Control: no-cache
Pragma: no-cache
Content-Length: 116
Content-Type: application/json; charset=utf-8

{"code":200,"success":true,"data":{"token":"7dMGzul08SsPMhDDOK-oZdBk","expires":"2022-06-15 19:40:01"},"time":0.009}
```

?? token ????: /api/{app_id}/user/token_expires/

```
#> curl -X GET http://10.10.2.207/api/devapro/user/token_expires/ --header "token: 7dMGzul08SsPMhDDOK-oZdBk"

{"code":200,"success":true,"data":{"expires":"2022-06-15 19:44:31"},"time":0.002}
```

?? token ????: /api/{app_id}/user/

TIP: ?????? 6 ?????????????????? 6 ??

```
curl -X PATCH http://10.10.2.207/api/devapro/user/ --header "token: 7dMGzul08SsPMhDDOK-oZdBk"

{"code":200,"success":true,"data":{"expires":"2022-06-15 21:11:37"},"time":0.004}
```

? IP ??????: /api/{app_id}/addresses/search/{ip-address}/

```
# IP is existed.
curl -X GET http://10.10.2.207/api/devapro/addresses/search/10.10.1.8 --header "token:
7dMGzul08SsPMhDD0K-oZdBk"
{"code":200,"success":true,"data":[{"id":"271","subnetId":"22","ip":"10.10.1.8","is_gateway":n
ull,"description":"FAB A-VM Server-
VM05","hostname":"TPECIMVM05","mac":null,"owner":null,"tag":"2","deviceId":null,"location":"3"
,"port":null,"note":null,"lastSeen":"2022-06-15
13:30:01","excludePing":null,"PTRignore":null,"PTR":"0","firewallAddressObject":null,"editDate
":"2022-06-15 13:30:10","customer_id":null}], "time":0.017}

# IP not found
curl -X GET http://10.10.2.207/api/devapro/addresses/search/10.10.1.7 --header "token:
7dMGzul08SsPMhDD0K-oZdBk"
{"code":200,"success":false,"message":"Address not found","time":0.007}
```

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- Perl5 Interface: <https://github.com/natxo/phpipam-API>
- [11 Best IP Address Management Tools for Linux Network](#)

NextBox Community

NetBox Community ????? IPAM ?????????????????????????????????

- GitHub: <https://github.com/netbox-community/netbox>
- Wiki: <https://github.com/netbox-community/netbox/wiki/Community-Contributions>
- Doc: <https://deepwiki.com/netbox-community/netbox/1-netbox-overview>
- Doc2: <https://netboxlabs.com/docs/netbox/installation/>