## 实验3

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## 环境配置

安装 openldap:

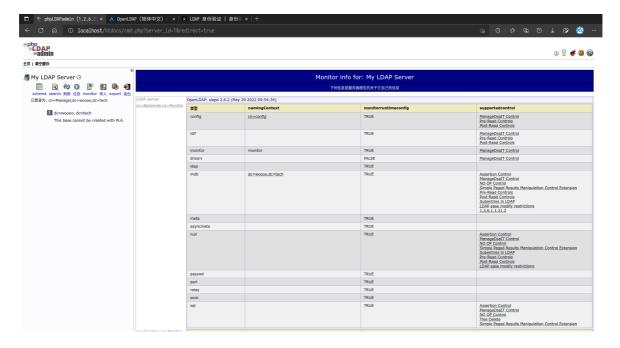
```
[sudo] reverier 的密码:
对不起,请重试。
[sudo] reverier 的密码:
正在解析依赖关系...
正在查找软件包冲突...
软件包(1) 新版本 净变化 下载大小
core/openldap 2.6.2-2 4.60 MiB 1.52 MiB
下载大小:
         1.52 MiB
全部安装大小: 4.60 MiB
:: 进行安装吗? [Y/n]
:: 正在获取软件包......
open1dap-2.6.2-2-x86_64
                               1557.9 KiB 3.71 MiB/s 00:00 [---
                                                                                  -] 100%
(1/1) 正在检查密钥环里的密钥
                                                                                   100%
(1/1) 正在检查软件包完整性
                                                                                    100%
(1/1) 正在加载软件包文件
                                                                                   100%
(1/1)正在检查文件冲突
(1/1)正在检查可用存储空间
                                                                                   100%
                                                                                  -] 100%
 正在处理软件包的变化...
```

千辛万苦修改配置,将 slapd 进程跑起来:

```
Q FIND ⊚ WATCH ⊗ TERMINATE 🗏 KILL
[Rx.Sh] %~

$\phi(x)\dx = sudo systemctl status slapd
$ slapd.service - OpenLDAP Server Daemon
    Loaded: loaded (/usr/lib/systemd/system/slapd.service; disabled; vendor preset: disabled)
     Active: active (running) since Mon 2022-06-20 13:53:37 CST; 1s ago Docs: man:slapd
            man:slapd-config
              man:slapd-mdb
   Main PID: 53222 (slapd)
     Tasks: 2 (limit: 18932)
     Memory: 3.4M
     CGroup: /system.slice/slapd.service
L53222 /usr/lib/slapd -d 0 -u ldap -g ldap -h "ldap:/// ldapi:///"
6月 20 13:53:37 Reverier-Arch systemd[1]: Starting OpenLDAP Server Daemon...
6月 20 13:53:37 Reverier-Arch slapd[53222]: @(#) $OpenLDAP: slapd 2.6.2 (May 29 2022 09:54:34) $
6月 20 13:53:37 Reverier-Arch slapd[53222]: slapd star
6月 20 13:53:37 Reverier-Arch systemd[1]: Started OpenLDAP Server Daemon.
[Rx.Sh] ~~~
```

通过 phpLDAPadmin 方便管理 LDAP 服务器:

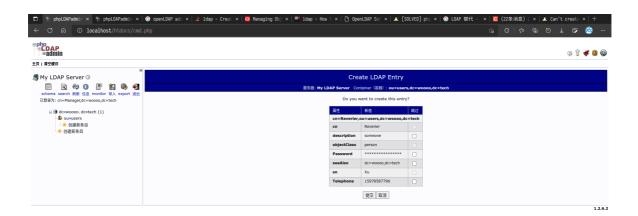


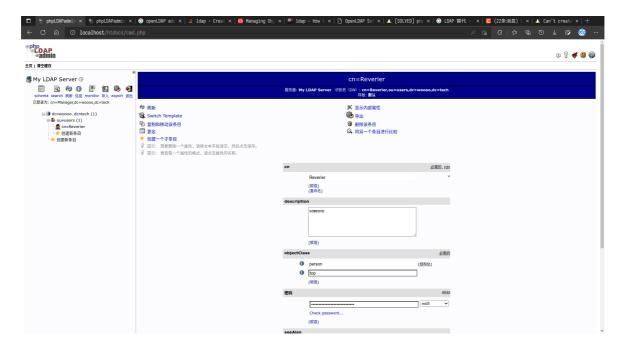
使用命令行添加根节点以解决 This base cannot be created with PLA.

向 ldap 的配置文件中添加各种模块:



使用默认person结构进行一些增差删改工作:





## 为nginx配置基本认证模块

使用实验2的部分:

```
server {
    listen 8888;
    listen [:]:8888;
    server_name localhost;

root /var/www/html;
location / {
    index index.html index.htm index.php;
    }

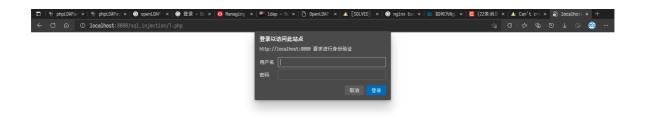
location ~ \.php$ {
    auth_basic "authentication";
    auth_basic_user_file conf.d/htpasswd;
    # 464
    try_files $fastcgi_script_name =404;

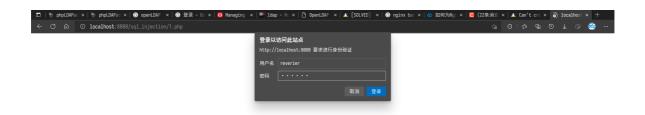
    # default fastcgi_params
    include fastcgi_params;

# fastcgi setting5

/etc/nginx/sites-avallable/basic_auth [+]
    20,26
    Top
```

可以发现身份认证模块生效:





能够正常使用。



## 配置radius



在 /etc/raddb/mods-config/files/authorize 中配置帐号,并进行测试:

```
Cleartext-Password = "hello"
Received Access-Reject Id 115 from 127.0.0.1:1812 to 127.0.0.1:60591 length 20 \,
(0) -: Expected Access-Accept got Access-Reject
[Rx.Sh] △ /etc/openldap

∮R(x)dx = sudo systemctl restart freeradius.service
[Rx.Sh] @ /etc/openldap

$\frac{4}{3}(x) \ dx = radtest bob hello 127.0.0.1 0 testing123
Sent Access-Request Id 221 from 0.0.0.0:51696 to 127.0.0.1:1812 length 73
      User-Name = "bob"
       User-Password = "hello"
       NAS-IP-Address = 127.0.1.1
       Message-Authenticator = 0x00
       Cleartext-Password = "hello"
Received Access-Accept Id 221 from 127.0.0.1:1812 to 127.0.0.1:51696 length 32
Reply-Message = "Hello, bob"
[Rx.Sh] ♠ /etc/openldap

∮R(x)dx =
```

能够正常进行身份识别。