系统集成

1. 安装 LDAP

参考文档：https://www.cnblogs.com/mascot1/p/10498392.html

1.1 先决条件

```
#关闭 SELINUX
vim /etc/sysconfig/selinux     # SELINUX=disabled
setenforce 0

#关闭防火墙
systemctl stop firewalld
systemctl disable firewalld
```

1.2 安装 ldap

```
#安装了 ldap 工具
yum install -y openldap-servers openldap-clients migrationtools
slappasswd     #据提示输入密码会返回加密的密码字符串，保存好这个字符串

#配置数据库缓存
cp /usr/share/openldap-servers/DB_CONFIG.example /var/lib/ldap/DB_CONFIG
chown -R ldap:ldap /var/lib/ldap/

#测试配置文件
slaptest -u   #出现 configfile testing successed  说明成功了

#启动 ldap
systemctl start slapd.service
systemctl enable slapd.service

#导入模板
ls /etc/openldap/schema/*.ldif | xargs -I {} sudo ldapadd -Y EXTERNAL -H ldapi:/// -f {}
```

2. 安装 LDAP 控制台

2.1 先决条件

```
#安装 apache
yum -y install httpd
```

```
#修改配置文件
vim /etc/httpd/conf/httpd.conf #AllowOverride all

#启动服务测试
systemctl start httpd
systemctl enable httpd
curl 127.0.0.1
```

2.2 安装 phpldapadmin

```
#安装 phpldapadmin
cat /etc/yum.repos.d/epel.repo
[epel]
name=Extra Packages for Enterprise Linux 7 - $basearch
baseurl=https://mirrors.tuna.tsinghua.edu.cn/epel/7Server/x86_64/
enabled=1
gpgcheck=0

yum install phpldapadmin
```

2.3 更改配置文件

```
#修改配置文件
vim /etc/phpldapadmin/config.php
$servers->setValue('server','host','127.0.0.1');
$servers->setValue('server','port',389);
$servers->setValue('server','base',array('dc=my-domain,dc=com'));
$servers->setValue('login','auth_type','session');
$servers->setValue('login','attr','dn');

$servers->setValue('login','attr','dn'); #注释掉

#修改 httpd 配置文件
vim /etc/httpd/conf.d/phpldapadmin.conf
Alias /phpldapadmin /usr/share/phpldapadmin/htdocs
Alias /ldapadmin /usr/share/phpldapadmin/htdocs

<Directory /usr/share/phpldapadmin/htdocs>
  <IfModule mod_authz_core.c>
    # Apache 2.4
    Require local
    Require ip 192.168.0
  </IfModule>
  <IfModule !mod_authz_core.c>
```

```
        # Apache 2.2
        Order Deny,Allow
        Deny from all
        Allow from 127.0.0.1
        Allow from ::1
    </IfModule>
</Directory>

#创建基础目录
vim /etc/openldap/base.ldif
dn: dc=my-domain,dc=com
o: ldap
objectclass: dcObject
objectclass: organization
dc: my-domain
```

2.4 访问测试

```
#重启 httpd 服务
service restart httpd
#访问测试
http://192.168.0.41/phpldapadmin
```

3. LDAP 创建组织

参考文档：https://www.cnblogs.com/mascot1/p/10498460.html

3.1 创建 OU

选择 Organisational unit 组织单元

输入 OU 名称

提交信息

查看结果

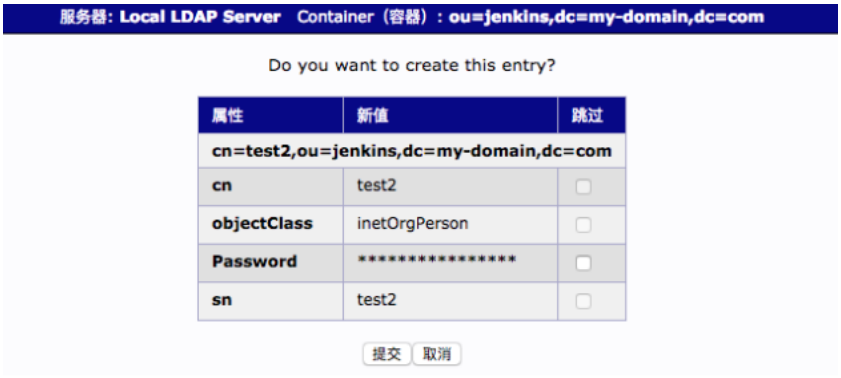
3.2 创建人员

选择 OU->选择新建子条目

选择默认模板

选择 inetorgperson

填写并提交信息



用户创建完成

4. Jenkins 集成 LDAP

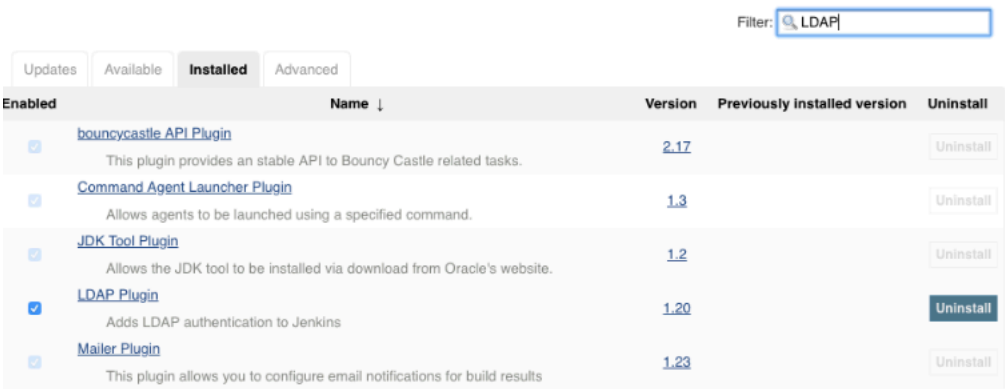
参考文档：https://www.cnblogs.com/mascot1/p/10498513.html

4.1 先决条件

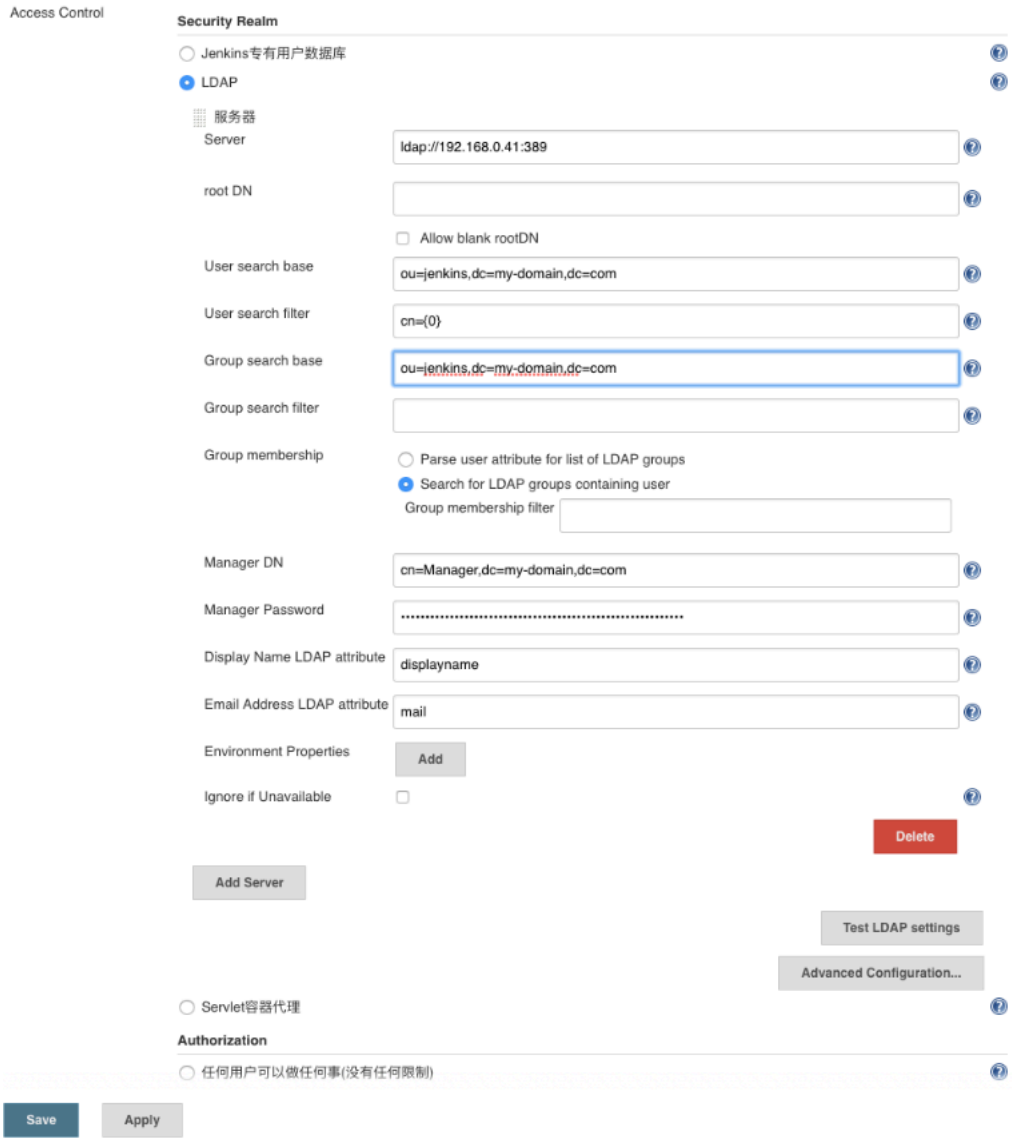
1.准备一个 adminDN 账号用于查询用户。 cn=Manager,dc=my-domain,dc=com
2.将访问 Jenkins 的用户放到一个 OU 中。 ou=jenkins,dc=my-domain,dc=com
3.提供 ldap 服务器地址。 ldap://192.168.0.41:389

4.2 Jenkins 配置

安装 ldap 插件



全局安全配置



选择账号测试，出现一下信息集成完毕

Add Server

Test LDAP settings

Login

- **Authentication: successful**
- **User ID: test2**
- **User Dn: cn=test2,ou=jenkins,dc=my-domain,dc=com**

No display name specified for user!
Is the LDAP attribute name "displayname" correct?
Available LDAP attributes are:

- `userPassword`
- `objectClass`
- `sn`
- `cn`

No email address specified for user!
Is the LDAP attribute name "mail" correct?
Available LDAP attributes are:

- `userPassword`
- `objectClass`
- `sn`
- `cn`

No LDAP group membership reported.
If the user is a member of some LDAP groups then the group membership settings are probably configured incorrectly.

Lookup

- **User lookup: successful**
- **User groups consistent (login and lookup)**

LDAP Group lookup: could not verify.
Please try with a user that is a member of at least one LDAP group.

Advanced Configuration...