## 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 Idap

#### #安装了 Idap 工具

yum install -y openIdap-servers openIdap-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/openIdap-servers/DB\_CONFIG.example /var/lib/Idap/DB\_CONFIG chown -R Idap:Idap /var/lib/Idap/

#### #测试配置文件

slaptest -u #出现 configfile testing successed 说明成功了

#### #启动 Idap

systemctl start slapd.service

systemctl enable slapd.service

#### #导入模板

Is /etc/openIdap/schema/\*.ldif | xargs -I {} sudo Idapadd -Y EXTERNAL -H Idapi:/// -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

\$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 /Idapadmin /usr/share/phpIdapadmin/htdocs

<Directory /usr/share/phpldapadmin/htdocs>

<IfModule mod\_authz\_core.c>

# Apache 2.4

Require local

Require ip 192.168.0

</lfModule>

<IfModule !mod\_authz\_core.c>

# Apache 2.2

Order Deny,Allow
Deny from all
Allow from 127.0.0.1
Allow from ::1
</lfModule>
</Directory>

#创建基础目录
vim /etc/openIdap/base.Idif
dn: dc=my-domain,dc=com
o: Idap
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

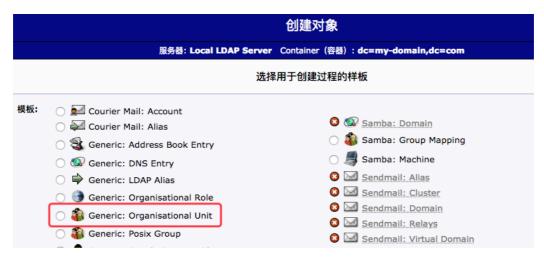
## 3. LDAP 创建组织

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

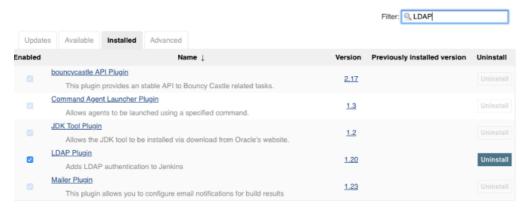
参考文档:https://www.cnblogs.com/mascot1/p/10498513.html

#### 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 Idap 服务器地址。 Idap://192.168.0.41:389

#### 4.2 Jenkins 配置

安装 Idap 插件



## 全局安全配置

	○ Jenkins专有用户数据库			(
	<ul><li>Jenkins专有用户数据库</li><li>LDAP</li></ul>			
	服务器 Server	ldap://192.168.0.41:389		0
	root DN			
	1001 514		•	9
		☐ Allow blank rootDN		
	User search base	ou=jenkins,dc=my-domain,dc=com		9
	User search filter	cn=(0)	•	9
	Group search base	ou=jenkins,dc=my-domain,dc=com	•	9
	Group search filter		•	0
	Group membership	Parse user attribute for list of LDAP groups Search for LDAP groups containing user Group membership filter		
	Manager DN	cn=Manager,dc=my-domain,dc=com	•	9
	Manager Password		•	9
	Display Name LDAP attribute	displayname	•	9
	Email Address LDAP attribute	mail	•	9
	Environment Properties	Add		
	Ignore if Unavailable	0	•	9
			Delete	
	Add Server			
			Test LDAP settings	
			Advanced Configuration	
	○ Servlet容器代理			
	Authorization			
	<ul><li>任何用户可以做任何事(没有任何)</li></ul>	可限制)		

选择账号测试,出现一下信息集成完毕

#### 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
- 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

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...