

# ZI-ADPASSWORD - Installation and Administration Guide

- [Installation](#)
- [Zimbra configuration](#)
- [Release Notes](#)

# Installation

Unpack installer archive file \*.tar.gz in /var/tmp/ (as root):

```
mv /root/ZI-ADPassword- x. x. tar. gz /var/tmp/  
cd /var/tmp/  
tar xzvf ZI-ADPassword- x. x. tar. gz  
cd /var/tmp/ZI-ADPassword- x. x
```

Run installation script (as root):

```
perl ZI-Installer --instal-deps
```

At the beginning required perl packages will be installed:

```
o JSON:.....ok (v2.94)
o JSON:X5:.....Not installed! Use: 'yum install -y "perl(JSON:X5)"' (required - Perl JSON serialising/deserialising, done correctly and fast)
o JSON:X5:Boolean:.....Not installed! Use: 'yum install -y "perl(JSON:X5:Boolean)"' (required - Perl Compression Library)
o String:Random:.....ok (v0.30)
o Text:ASCIITable:.....ok (v0.22)
o File:Copy:Recursive:.....ok (v0.44)
o Archive:Zip:.....ok (v1.64)
o Archive:Zip:MemberRead:.....ok (v1.64)
o JSON:.....ok (v2.94)
o JSON:X5:.....Not installed! Use: 'yum install -y "perl(JSON:X5)"' (required - Perl JSON serialising/deserialising, done correctly and fast)
o JSON:X5:Boolean:.....Not installed! Use: 'yum install -y "perl(JSON:X5:Boolean)"' (required - Perl Compression Library)
o String:Random:.....ok (v0.30)
o Text:ASCIITable:.....ok (v0.22)
o LWP:Authn:Basic:.....ok (v6.26)
o LWP:Authn:Digest:.....ok (v6.26)
o LWP:Protocol:cpan:.....ok (v6.26)
o LWP:Protocol:sdm:.....ok (v6.26)
o LWP:Protocol:file:.....ok (v6.26)
o LWP:Protocol:ftp:.....ok (v6.26)
o LWP:Protocol:gopher:.....ok (v6.26)
o LWP:Protocol:http:.....ok (v6.26)
o LWP:Protocol:https:.....ok (v6.66)
o LWP:Protocol:ldap:.....Not installed! Use: 'yum install -y "perl(LWP:Protocol:ldap)"' (required - Provide LDAP support for LWP:UserAgent)
o LWP:Protocol:ldaps:.....Not installed! Use: 'yum install -y "perl(LWP:Protocol:ldaps)"' (required - Provide LDAP support for LWP:UserAgent)
o LWP:Protocol:loopback:.....ok (v6.26)
o LWP:Protocol:mailto:.....ok (v6.26)
o LWP:Protocol:nnntp:.....ok (v6.26)
o LWP:Protocol:nnsgo:.....ok (v6.26)
o LWP:UserAgent:.....ok (v6.26)
o Term:ReadKey:.....ok (v2.30)
o URI::URL:.....ok (v5.04)
o URI::http:.....ok (v1.71)
o File:Copy:Recursive:.....ok (v0.44)
o Try:Tiny:.....ok (v0.12)
o Archive:Zip:.....ok (v1.64)
o Archive:Zip:MemberRead:.....ok (v1.64)
o JSON:.....ok (v2.94)
o JSON:X5:.....Not installed! Use: 'yum install -y "perl(JSON:X5)"' (required - Perl JSON serialising/deserialising, done correctly and fast)
o JSON:X5:Boolean:.....Not installed! Use: 'yum install -y "perl(JSON:X5:Boolean)"' (required - Perl Compression Library)
o String:Random:.....ok (v0.30)
o Text:ASCIITable:.....ok (v0.22)
o File:Copy:Recursive:.....ok (v0.44)
o Archive:Zip:.....ok (v1.64)
o Archive:Zip:MemberRead:.....ok (v1.64)
```

The script has the appropriate root privileges.  
Install the missing modules?  
Execute? (Y/n or exit)

instalacji należy archiwum rozpakować w katalogu /tmp/zladpasswd/. Następnie uruchomić instalator zimletu:

```
perl Z-Installer
```

Uruchomi się proces instalacji:

### 3 KONFIGURACJA ZIMLETU

Answer: Y

```
o JSON:XS:.....Not installed! Use: 'yum install -y "perl(JSON:XS)"' (required - Perl JSON serialising/deserialising, done correctly and fast)
o JSON:XS:Boolean.....Not installed! Use: 'yum install -y "perl(JSON:XS:Boolean)"' (required - Perl Compression library)
o Strings:Random.....ok (v0.30)
o Text:ASCIITable.....ok (v0.22)
o File:Copy:Recursive.....ok (v0.44)
o Archive:Zip.....ok (v1.64)
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o JSON:XS:.....Not installed! Use: 'yum install -y "perl(JSON:XS)"' (required - Perl JSON serialising/deserialising, done correctly and fast)
o JSON:XS:Boolean.....Not installed! Use: 'yum install -y "perl(JSON:XS:Boolean)"' (required - Perl Compression library)
o String:Random.....ok (v0.30)
o Text:ASCIITable.....ok (v0.22)
o LWP:Authen:Basic.....ok (v6.26)
o LWP:Authen:Digest.....ok (v6.26)
o LWP:Protocol:icpan.....ok (v6.26)
o LWP:Protocol:data.....ok (v6.26)
o LWP:Protocol:file.....ok (v6.26)
o LWP:Protocol:ftp.....ok (v6.26)
o LWP:Protocol:gopher.....ok (v6.26)
o LWP:Protocol:http.....ok (v6.26)
o LWP:Protocol:https.....ok (v6.06)
o LWP:Protocol:ldap.....Not installed! Use: 'yum install -y "perl(LWP:Protocol:ldap)"' (required - Provide LDAP support for LWP:UserAgent)
o LWP:Protocol:ldaps.....Not installed! Use: 'yum install -y "perl(LWP:Protocol:ldaps)"' (required - Provide LDAP support for LWP:UserAgent)
o LWP:Protocol:loopback.....ok (v6.26)
o LWP:Protocol:mailto.....ok (v6.26)
o LWP:Protocol:nntp.....ok (v6.26)
o LWP:Protocol:nnogo.....ok (v6.26)
o LWP:UserAgent.....ok (v6.26)
o Term:ReadKey.....ok (v2.30)
o URI:URL.....ok (v5.04)
o URI:http.....ok (v1.71)
o File:Copy:Recursive.....ok (v0.44)
o Try:Tiny.....ok (v0.12)
o Archive:Zip.....ok (v1.64)
o Archive:Zip:MemberRead.....ok (v1.64)
o JSON:XS:.....Not installed! Use: 'yum install -y "perl(JSON:XS)"' (required - Perl JSON serialising/deserialising, done correctly and fast)
o JSON:XS:Boolean.....Not installed! Use: 'yum install -y "perl(JSON:XS:Boolean)"' (required - Perl Compression library)
o Strings:Random.....ok (v0.30)
o Text:ASCIITable.....ok (v0.22)
o File:Copy:Recursive.....ok (v0.44)
o Archive:Zip.....ok (v1.64)
o Archive:Zip:MemberRead.....ok (v1.64)
```

The script has the appropriate root privileges.  
Install the missing modules?  
Execute? (Y/n or exit)

```
perl ZI-Installer
```

Uruchomi się proces instalacji:

3 KONFIGURACJA ZIMLETU

Press: Y

```
Install module 2 of 4
Wczytane wtyczki: fastestmirror
Loading mirror speeds from cached hostfile
* base: ftp.icm.edu.pl
* epel: ftp.icm.edu.pl
* extras: ftp.icm.edu.pl
* updates: ftp.icm.edu.pl
Nie ma pakietu perl(JSON:XS:Boolean).
Błąd: Nie ma niczego do zrobienia

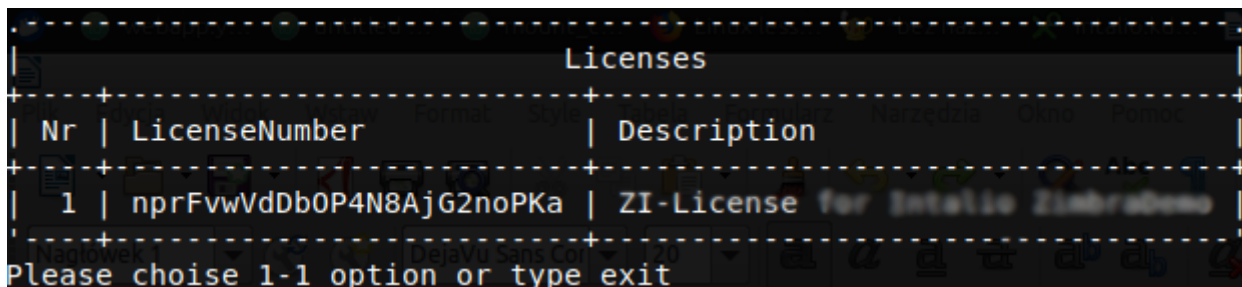
Install module 3 of 4
Wczytane wtyczki: fastestmirror
Loading mirror speeds from cached hostfile
* base: ftp.icm.edu.pl
* epel: ftp.icm.edu.pl
* extras: ftp.icm.edu.pl
* updates: ftp.icm.edu.pl
Rozwiązywanie zależności
-> Wykonywanie sprawdzania transakcji
-> Pakiet perl-LDAP.noarch 1:0.56-6.el7 zostanie zainstalowany
-> Przetwarzanie zależności: perl(Convert:ASN1) >= 0.2 dla pakietu: 1:perl-LDAP-0.56-6.el7.noarch
-> Przetwarzanie zależności: perl(Authen:SASL) >= 2.00 dla pakietu: 1:perl-LDAP-0.56-6.el7.noarch
-> Przetwarzanie zależności: perl(XML:SAX:Writer) dla pakietu: 1:perl-LDAP-0.56-6.el7.noarch
-> Przetwarzanie zależności: perl(XML:SAX:Base) dla pakietu: 1:perl-LDAP-0.56-6.el7.noarch
-> Wykonywanie sprawdzania transakcji
-> Pakiet perl-Authen-SASL.noarch 0:2.15-10.el7 zostanie zainstalowany
-> Przetwarzanie zależności: perl(GSSAPI) dla pakietu: perl-Authen-SASL-2.15-10.el7.noarch
-> Pakiet perl-Convert-ASN1.noarch 0:0.26-4.el7 zostanie zainstalowany
-> Pakiet perl-XML-Base.noarch 0:1.08-7.el7 zostanie zainstalowany
-> Pakiet perl-XML-SAX-Writer.noarch 0:0.53-4.el7 zostanie zainstalowany
-> Przetwarzanie zależności: perl(XML:NamespaceSupport) dla pakietu: perl-XML-SAX-Writer-0.53-4.el7.noarch
-> Przetwarzanie zależności: perl(XML:Filter:BufferText) dla pakietu: perl-XML-SAX-Writer-0.53-4.el7.noarch
-> Wykonywanie sprawdzania transakcji
-> Pakiet perl-GSSAPI.x86_64 0:0.28-9.el7 zostanie zainstalowany
-> Pakiet perl-XML-Filter-BufferText.noarch 0:1.01-17.el7 zostanie zainstalowany
-> Pakiet perl-XML-NamespaceSupport.noarch 0:1.11-10.el7 zostanie zainstalowany
-> Ukończono rozwiązywanie zależności
```

Rozwiązano zależności

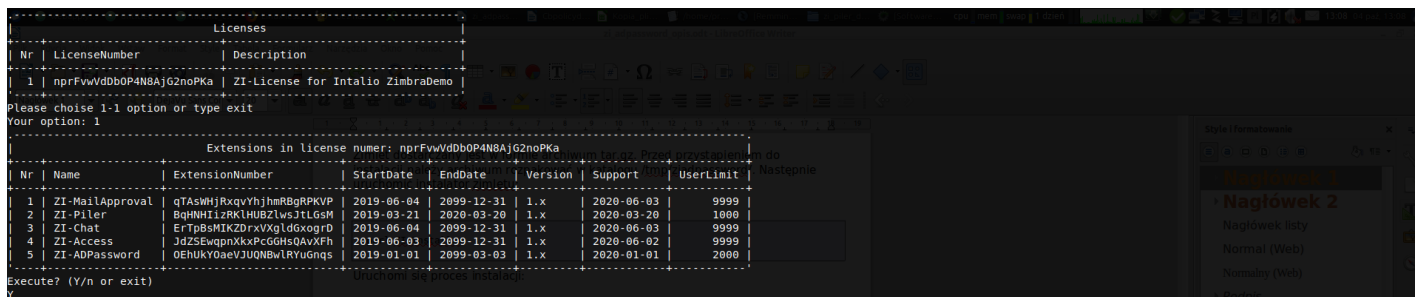
Package	Architektura	Wersja	Repozytorium	Rozmiar
Instalowanie:				
perl-LDAP	noarch	1:0.56-6.el7	base	411 k
Instalowanie, aby rozwiązać zależności:				
perl-Authen-SASL	noarch	2.15-10.el7	base	57 k
perl-Convert-ASN1	noarch	0.26-4.el7	base	54 k
perl-GSSAPI	x86_64	0.28-9.el7	base	59 k
perl-XML-Filter-BufferText	noarch	1.01-17.el7	base	11 k
perl-XML-Base	noarch	1.11-10.el7	base	18 k
perl-XML-SAX-Writer	noarch	1.08-7.el7	base	32 k
		0.53-4.el7	base	25 k

Podsumowanie transakcji

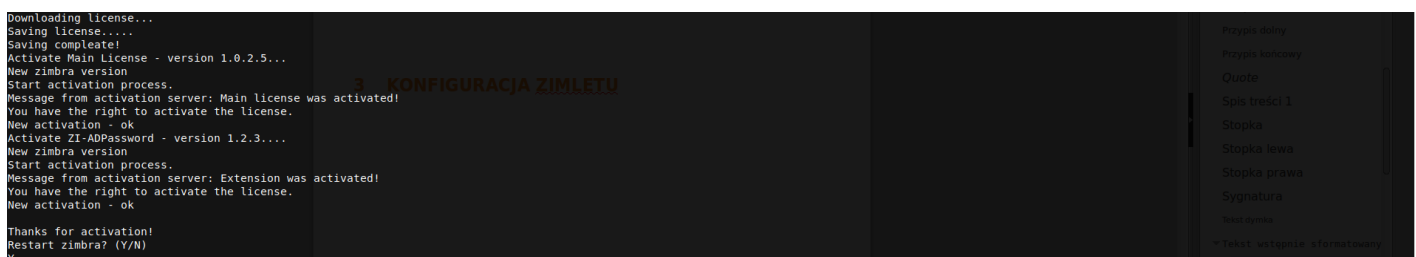




Choose: 1



Choose: Y



Choose: Y

If You answer Y, the zimbra mailbox will be restarted

After the mailbox restart, zimlet should be installed. To check it, login into the Panel Admin in Your ZCS Server and see Panel Administrator > Migration and tool > ZI-License. There should be informations about granted licenses.

# Zimbra configuration

## Prerequisites

The goal of this document is to configure Active Directory authentication for domain **addomain.example.com** in ZCS Zimbra and integrate it with ZI-ADPassword.

The configuration of AD authentication of the domain is according to the [https://wiki.zimbra.com/wiki/Configure\\_authentication\\_with\\_Active\\_Directory](https://wiki.zimbra.com/wiki/Configure_authentication_with_Active_Directory).

Information needed:

- Active Directory administrator DN and passwords
- Active Directory address

## Domain configuration

At beginning create the domain **addomain.example.com**:

```
zmprov cd addomain.example.com
```

We configure Active Directory authentication:

```
zmprov md adzimbraosedemo.int.intalio.pl zimbraAuthLdapBindDn '%u@addomain.local'  
zmprov md adzimbraosedemo.int.intalio.pl zimbraAuthLdapSearchBase  
'CN=Users,DC=addomain,DC=local'  
zmprov md adzimbraosedemo.int.intalio.pl zimbraAuthLdapSearchBindDn  
'CN=Administrator,CN=Users,DC=addomain,DC=local'  
zmprov md adzimbraosedemo.int.intalio.pl zimbraAuthLdapSearchBindPassword  
'Administrator_password_in_AD'
```

```
zmprov md adzimbraosedemo.int.intalio.pl zimbraAuthLdapSearchFilter '(samaccountname=%u)'  
zmprov md adzimbraosedemo.int.intalio.pl zimbraAuthLdapURL 'ldaps://ad.addomain.local:636'
```

where:

- zimbraAuthLdapBindDn - LDAP bind dn for ldap auth mech
- zimbraAuthLdapSearchBase - LDAP search base for ldap auth mech
- zimbraAuthLdapSearchBindDn - LDAP search bind dn for ldap auth mech
- zimbraAuthLdapSearchBindPassword - LDAP search bind password for ldap auth mech
- zimbraAuthLdapSearchFilter - LDAP search filter for ldap auth mech
- zimbraAuthLdapURL - LDAP URL for ldap auth mech

# Zimlet configuration

In this step we configure custom authentication for addomain.example.com:

```
zmprov md addomain.example.com zimbraAuthMech 'custom:ZIADPassword'  
zmprov md addomain.example.com zimbraPasswordChangeListener ZIADChangePassword
```

After this ZI-ADPassword takes control over the authentication process and password changing requests.

Install Active Directory server certificate on every mailbox:

```
/opt/zimbra/common/bin/keytool -import -alias adserver -keystore  
/opt/zimbra/common/etc/java/cacerts -trustcacerts -file /tmp/ad_cert.crt
```

Restart all mailboxes:

```
zmmailboxdctl restart
```

# Release Notes