ZI-ADPASSWORD - Installation and Administration Guide

- Installation
- Zimbra configuration
- Release Notes

Installation

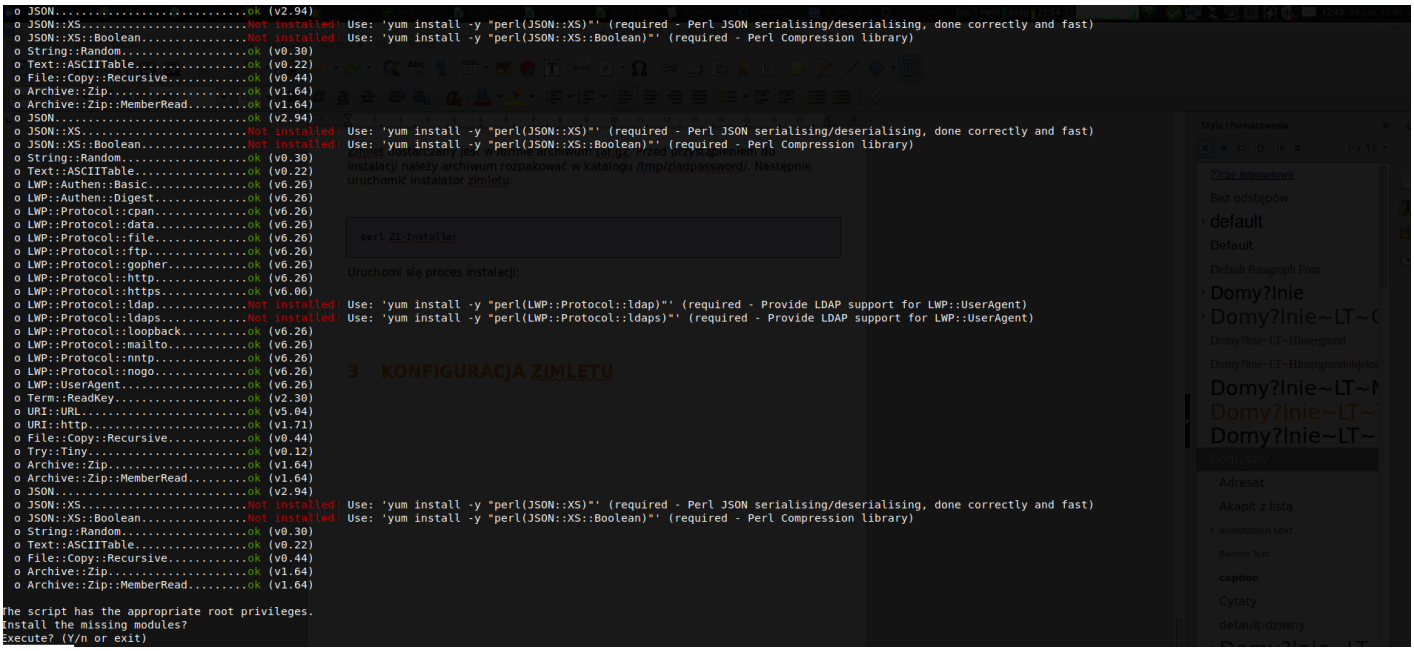
Unpack installer archive file *.tar.gz in /var/tmp/ (as root):

```
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:



Answer: Y

```
  o JSON.............................ok (v2.94)
  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 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::XS.........................Not installed! Use: 'yum install -y "perl(JSON::XS)"' (required - Perl JSON serialising/deserialising, done correctly and fast)
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  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::cpan..............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::nogo..............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::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)
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  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)
```
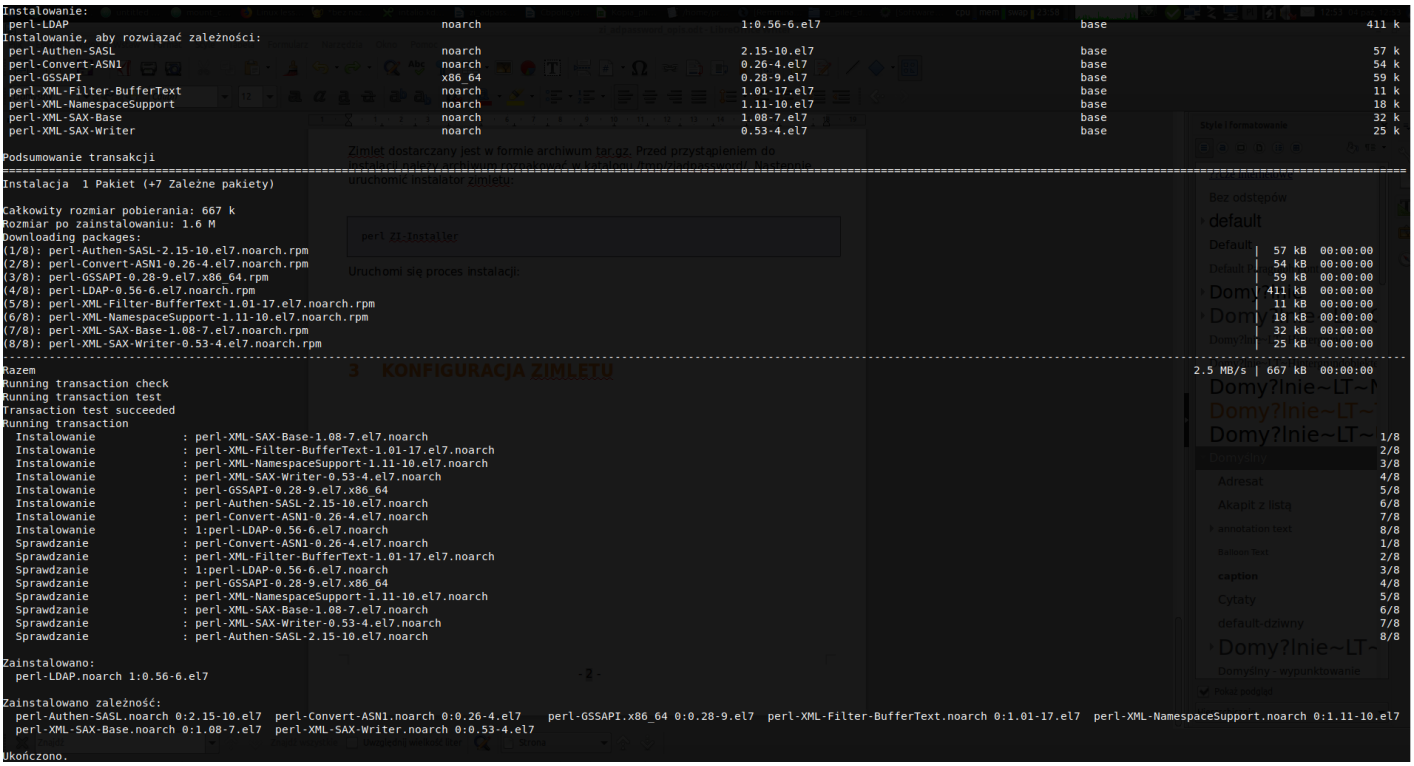
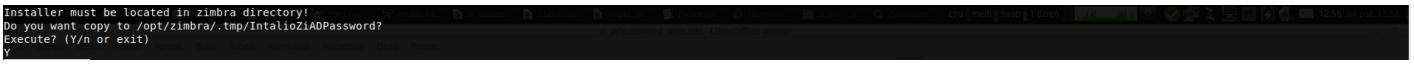
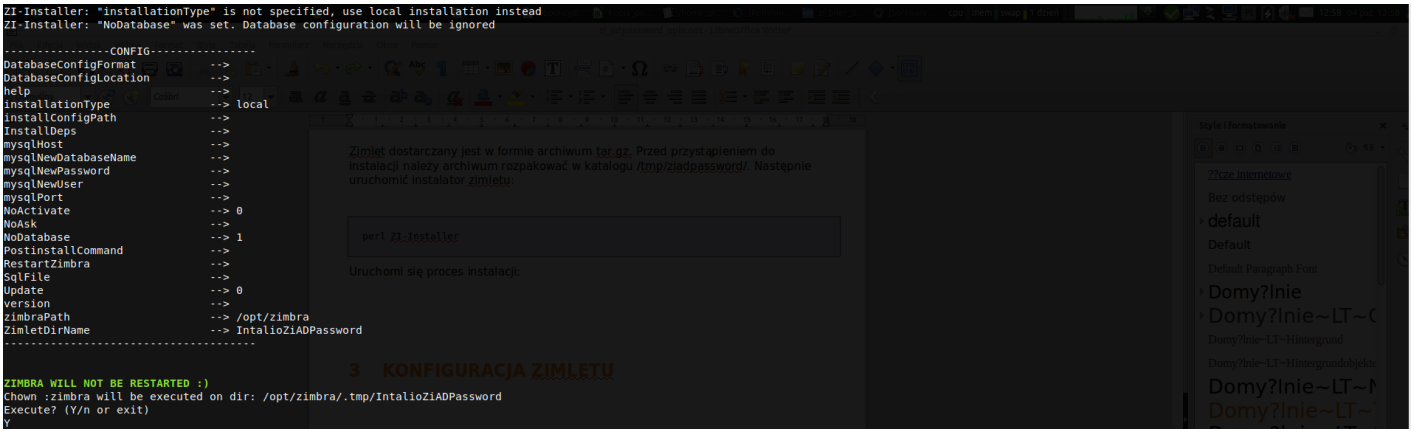

Press: Y

```
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-SAX-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                              Rozmia
r
================================================================================================================================================================
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-NamespaceSupport                noarch                        1.11-10.el7                            base                                       18 k
 perl-XML-SAX-Base                        noarch                        1.08-7.el7                             base                                       32 k
 perl-XML-SAX-Writer                      noarch                        0.53-4.el7                             base                                       25 k

Podsumowanie transakcji
================================================================================================================================================================
```

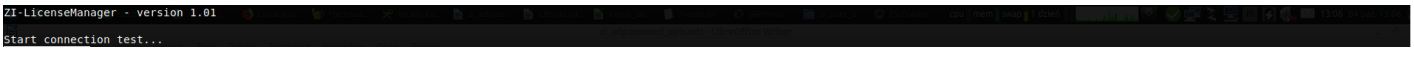




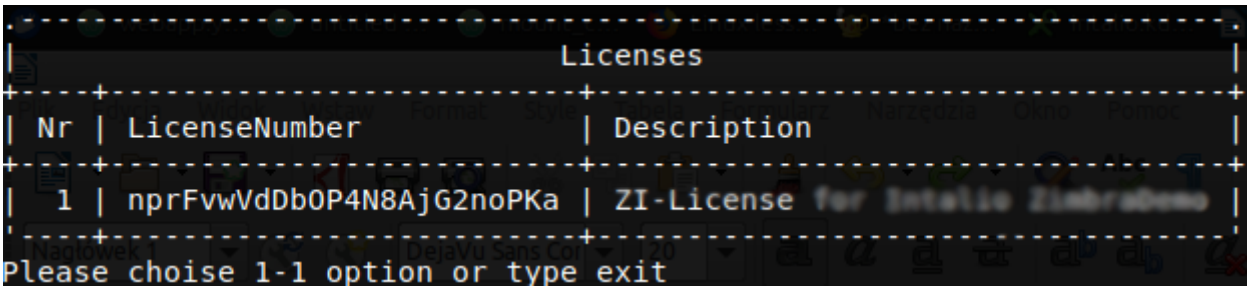
Answer: Y



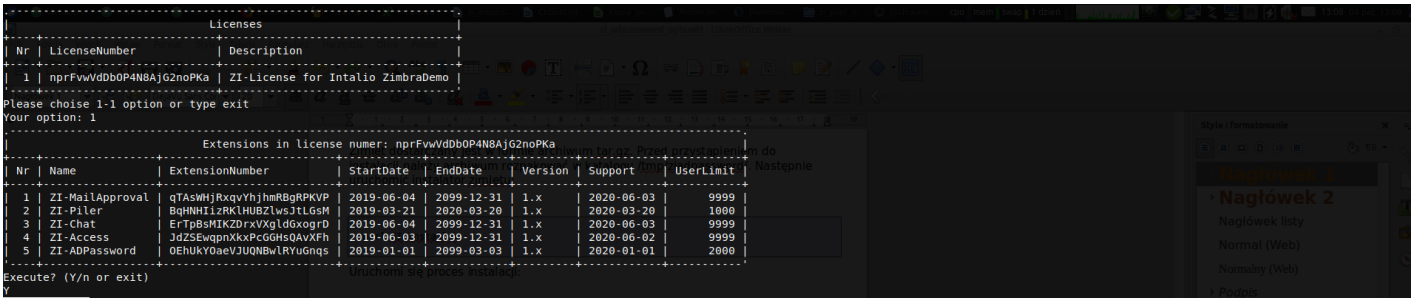
Answer: Y



Enter login and password received with the license.



Choose: 1



Choose: Y

Choose: Y

> If You answer Y, the zimbra mailbox will be restarted

After the mailbox restart, zimlet shoul 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 .

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 adserwer -keystore
/opt/zimbra/common/etc/java/cacerts -trustcacerts -file /tmp/ad_cert.crt
```

Restart all mailboxes:

```
zmmailboxdctl restart
```

Release Notes