

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::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)  
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::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::httpd.....ok (v6.26)  
o LWP::Protocol::httpsd.....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)  
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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)
```

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)
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o Archive::Zip::MemberRead..... ok (v1.64)
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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::ASCITable..... ok (v0.22)
  instalacji należy archiwum rozpakować w katalogu /tmp/zlispassword/. Następnie uruchomić instalator zimletu:
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::http..... ok (v6.26)
o LWP::Protocol::https..... ok (v6.26)
o LWP::Protocol::nntp..... ok (v6.26)
o LWP::Protocol::nrogo..... ok (v6.26)
o LWP::Protocol::nntp..... ok (v6.26)
o Term::ReadKey..... ok (v6.30)
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)
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o Text::ASCITable..... 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)

```

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

Rozwiązyano 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
perl-Convert-ASN1                     noarch              0.26-4.el7      base
perl-GSSAPI                           x86_64              0.28-9.el7      base
perl-XML-Filter-BufferText            noarch              1.01-17.el7     base
perl-XML-NamespaceSupport            noarch              1.11-10.el7     base
perl-XML-SAX-Base                    noarch              1.08-7.el7      base
perl-XML-SAX-Writer                  noarch              0.53-4.el7      base

Podsumowanie transakcji

```

```

Instalowanie:
perl-LDAP
Instalowanie, aby rozwiązać zależności:
perl-Authen-SASL
perl-Convert-ASN1
perl-GSSAPI
perl-XML-Filter-BufferText
perl-XML-NamespaceSupport
perl-XML-SAX-Base
perl-XML-SAX-Writer
Podsumowanie transakcji
Instalacja 1 Pakiet (+7 Zależne pakiety)

Całkowity rozmiar pobierania: 667 k
Rozmiar po zainstalowaniu: 1.6 M
Downloading packages:
(1/8): perl-Authen-SASL-2.15-10.el7.noarch.rpm
(2/8): perl-Convert-ASN1-0.26-4.el7.noarch.rpm
(3/8): perl-GSSAPI-0.28-9.el7.x86_64.rpm
(4/8): perl-LDAP-0.56-6.el7.noarch.rpm
(5/8): perl-XML-Filter-BufferText-1.01-17.el7.noarch.rpm
(6/8): perl-XML-NamespaceSupport-1.11-10.el7.noarch.rpm
(7/8): perl-XML-SAX-Base-1.08-7.el7.noarch.rpm
(8/8): perl-XML-SAX-Writer-0.53-4.el7.noarch.rpm

Nazem
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Instalowanie : perl-XML-SAX-Base-1.08-7.el7.noarch
Instalowanie : perl-XML-Filter-BufferText-1.01-17.el7.noarch
Instalowanie : perl-XML-NamespaceSupport-1.11-10.el7.noarch
Instalowanie : perl-XML-SAX-Writer-0.53-4.el7.noarch
Instalowanie : perl-GSSAPI-0.28-9.el7.x86_64
Instalowanie : perl-Authen-SASL-2.15-10.el7.noarch
Instalowanie : perl-Convert-ASN1-0.26-4.el7.noarch
Instalowanie : perl-LDAP-0.56-6.el7.noarch
Sprawdzanie : perl-Convert-ASN1-0.26-4.el7.noarch
Sprawdzanie : perl-XML-Filter-BufferText-1.01-17.el7.noarch
Sprawdzanie : perl-LDAP-0.56-6.el7.noarch
Sprawdzanie : perl-GSSAPI-0.28-9.el7.x86_64
Sprawdzanie : perl-XML-NamespaceSupport-1.11-10.el7.noarch
Sprawdzanie : perl-XML-SAX-Base-1.08-7.el7.noarch
Sprawdzanie : perl-XML-SAX-Writer-0.53-4.el7.noarch
Sprawdzanie : perl-Authen-SASL-2.15-10.el7.noarch

Zainstalowano:
perl-LDAP.noarch 1:0.56-6.el7

Zainstalowano zależność:
perl-Authen-SASL.noarch 0:2.15-10.el7 perl-Convert-ASN1.noarch 0:0.26-4.el7 perl-GSSAPI.x86_64 0:0.28-9.el7 perl-XML-Filter-BufferText.noarch 0:1.01-17.el7 perl-XML-NamespaceSupport.noarch 0:1.11-10.el7

Ukończono.

```

```

Installer must be located in zimbra directory!
Do you want copy to /opt/zimbra/tmp/IntalioZiaADPassword?
Execute? (Y/n or exit)
Y

```

Answer: Y

```

ZI-Installer: "installationType" is not specified, use local installation instead
ZI-Installer: "NoDatabase" was set. Database configuration will be ignored

----- CONFIG -----
DatabaseConfigFormat    -->
DatabaseConfigLocation   -->
help                     -->
installationType          --> local
installConfigPath        -->
InstallDeps              -->
mysqlHost                -->
mysqlNewDatabaseName     -->
mysqlNewPassword         -->
mysqlNewUser               -->
mysqlPort                 -->
NoActivate                --> 0
NoAsk                     -->
NoDatabase                --> 1
PostInstallCommand        -->
RestartZimbra             -->
SqlFile                   -->
Update                    --> 0
version                   -->
zimbraPath                --> /opt/zimbra
ZimletDirName             --> IntalioZiaADPassword

----- ZIMBRA WILL NOT BE RESTARTED : -----
Chown :zimbra will be executed on dir: /opt/zimbra/tmp/IntalioZiaADPassword
Execute? (Y/n or exit)
Y

3 KONFIGURACJA ZIMLETU


```

Answer: Y

```

ZI-LicenseManager - version 1.01
Start connection test...

```

Please enter your login:

Enter login and password received with the license.

Licenses		
Nr	LicenseNumber	Description
1	nprFvwVdDb0P4N8AjG2noPKa	ZI-License for Intalio ZimbraDemo

Please choose 1-1 option or type exit

Choose: 1

Licenses		Extensions in license numer: nprFvwVdDb0P4N8AjG2noPKa						
Nr	Name	ExtensionNumber	StartDate	EndDate	Version	Support	UserLimit	Następnie
1	ZI-MailApproval	qTAsWmjJxqyYhjhmRbgPKVP	2019-06-04	2099-12-31	1.x	2020-06-03	9999	
2	ZI-Piler	BqMHH1i2RK1hUBZlwsJtLGSM	2019-03-21	2020-03-20	1.x	2020-03-20	1000	
3	ZI-Chat	ErfDBSMIKZDrxXgldGxogrD	2019-06-04	2099-12-31	1.x	2020-06-03	9999	
4	ZI-Access	JdzSeWqpnKkxPCG6HsQAxVxFh	2019-06-03	2099-12-31	1.x	2020-06-02	9999	
	ZI-ADPassword	oEHuUkyOaevJUQNbwIRyuGnqs	2019-01-01	2099-03-03	1.x	2020-01-01	2800	

Execute? (Y/n or exit)
Y

Choose: Y

```
Downloading license...
Saving license...
Saving complete!
Activate Main License - version 1.0.2.5...
New zimbra version
Start activation process.
Message from activation server: Main license was activated!
You have the right to activate the license.
New activation - ok
Activate ZI-ADPassword - version 1.2.3....
New zimbra version
Start activation process.
Message from activation server: Extension was activated!
You have the right to activate the license.
New activation - ok

Thanks for activation!
Restart zimbra? (Y/N)
Y
```

Przypis dalm/ Przypis końcowy
Quote Spis treści 1 Stopka Stopka lewa Stopka prawa Signatura Tekst dynamiczny *Tekst wstępnie sformatowany

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

Restart all mailboxes:

```
zmmailboxdctl restart
```

Release Notes