

# ZI-SecurityIncident - Installation and Administration Guide

- [Installation](#)
- [Configuration](#)

# Installation

## Requirements

- Zimbra 8.8.15
- ZI-LicenseSystem

## ZI-LicenseSystem

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

```
mv /root/ZI-LicenseSystem-x.x.tar.gz /var/tmp/  
cd /var/tmp/  
tar xzvf ZI-LicenseSystem-x.x.tar.gz  
cd /var/tmp/ZI-LicenseSystem-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::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)  
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::XS.....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::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)

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/ldapassword/. Następnie uruchomić instalator zimletu:

perl ZI-Installer

Uruchomił 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).

Źródło: 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

Zimlet dostarczany jest w formie archiwum tar.gz. Przed przystąpieniem do instalacji należy archiwum rozpakować w katalogu /tmp/ldapassword/. Następnie uruchomić instalator zimletu:

perl ZI-Installer

Package	Architektura	Wersja	Repozytorium	Rozmiar
Instalowanie:				
perl-LDAP	noarch	1:0.56-6.el7	base	
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				

```
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 0.26-4.el7 base 54 k
perl-GSSAPI 0.28-9.el7 base 59 k
perl-XML-Filter-BufferText 1.01-17.el7 base 11 k
perl-XML-NamespacesSupport 1.11-10.el7 base 18 k
perl-XML-SAX-Base 1.08-7.el7 base 32 k
perl-XML-SAX-Writer 0.53-4.el7 base 25 k

Podsumowanie transakcji
Zimlet dostarczany jest w formie archiwum tar.gz. Przed przystąpieniem do
uruchomienia instalatora zimletu:
Uruchom instalator zimletu:
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-NamespacesSupport-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
Uruchomi się proces instalacji:
Razem
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-NamespacesSupport-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-NamespacesSupport-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 zależności:
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-NamespacesSupport.noarch 0:1.11-10.el7
perl-XML-SAX-Base.noarch 0:1.08-7.el7 perl-XML-SAX-Writer.noarch 0:0.53-4.el7
Zakończono.
```

```
Installer must be located in zimbra directory!
Do you want copy to /opt/zimbra/.tmp/IntalioZiADPassword?
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 --> 1
NoAsk -->
NoDatabase --> 1
PostinstallCommand -->
RestartZimbra -->
SqlFile -->
Update --> 0
version -->
zimbraPath --> /opt/zimbra
ZimletDirName --> IntalioZiLicenseSystem

Mailboxd service won't be restarted automatically.
Proceed?
(Y/n or exit):
```

Answer: Y

```
Please enter your login: zimbra/zimbra
```

Enter login and password received with the license.

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

Please choose 1-1 option or type exit

Choose: 1

```

Installation starting....
Creating zimlet directory...
Removing earlier version....
Copying Extensions...
Copying script libs...
Setting permissions...
Looking for zip files in Zimlets directory...
Found 1 files
Starting deploy....
[ ] INFO: Deploying Zimlet intalio zi license system in LDAP.
[ ] INFO: Installing Zimlet intalio zi license system on this host.
[ ] INFO: Deploying on service node test-zmbox2.int.intalio.pl
[ ] INFO: post to server test-zmbox2.int.intalio.pl, data size 176531
[ ] INFO: Deploy initiated. Check the server test-zmbox2.int.intalio.pl's mailbox.log for the status.
Deploy complete
Restart zimbra?
(Y/n or exit): y

```

Choose: Y

If You answer Y, the zimbra mailbox will be restarted

After the mailbox restart, zimlet should be installed. Now, ZI-SecurityIncident can be installed.

ZI-LicenseSystem must be installed on all mailboxes

## Zi-SecurityIncident

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

```

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

```

Run installation script (as root):

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

```
-----CONFIG-----
DatabaseConfigFormat      --> CS
DatabaseConfigLocation    --> ./Extensions/db.properties
help                      -->
InstallationType           --> local
installConfigPath         -->
installDeps               -->
mysqlHost                 -->
mysqlNewDatabaseName      --> IntalioZiSecurityIncident
mysqlNewPassword           --> CCJgSDeyhwPrhMS8ric61KMTEm8PeoJu
mysqlNewUser              --> intaliozisecurityincident_user
mysqlPort                 --> 7306
NoActivate                -->
NoAsk                     -->
NoDatabase                -->
PostinstallCommand        -->
RestartZimbra             -->
SqlFile                   -->
Update                    --> 1
version                   -->
zimbraPath                --> /opt/zimbra
ZimletDirName             --> IntalioZiSecurityIncident
-----

Mailboxd service won't be restarted automatically.
Proceed?
(Y/n or exit):
```

Type: Y

# Configuration

Log in to the Zimbra Administration Console. The ZI-SecurityIncident configuration panel is available on **Main Page -> Migration and tools -> ZI-SecurityIncident**

The screenshot shows the Zimbra Administration Console interface. The left sidebar contains a menu with options: Home, Tools and Migration, Downloads, Account Migration, Software Updates, Client Upload, ZI-Piler, ZI-LicenseSystem, and ZI-SecurityIncident (which is currently selected). The main content area is titled 'Home - Tools and Migration - ZI-SecurityIncident' and contains three configuration sections:

- Email settings**: Includes fields for 'From' (Internal email address), 'To', 'Subject', 'Names of attachments' (with a note: 'This name will be used to create file names such as dangerous\_email.7z'), and a large text area for 'Content'.
- Archive password settings**: Includes a checkbox for 'Password is the current date' (checked), a 'Date format' field (set to 'yyyyMMdd'), and a 'Static password' field (set to 'password').
- System for generating message preview**: Includes checkboxes for 'Generate secure message preview' (checked), 'Delete unsafe code from preview' (unchecked, with a note: 'e.g. executable scripts'), 'Display images from external sources' (checked), and 'Display images already processed by the system' (checked).

## Email settings

- **From** - sender of the notification email
- **To** - recipient of the notification email
- **Subject** - subject of the notification email
- **Names of attachments** - names of the unsafe attachments
- **Content** - content of the message

## Archive password settings

- **Password is the current date** - password of the zipped attachment is the date of the received message
- **Date format**
- **Static password** - password of the zipped attachment when option **Password is the current date** is unchecked

## System for generating message preview

- **Generate secure message preview** - if set, unsafe message is converted to pdf
- **Delete unsafe code from preview** - if set, unsafe code is removed from preview
- **Display images from external sources** - if set, images from external sources will be included in the processed message
- **Display images already processed by the system** - if set, images in message will be processed