

# ZI-MailApproval - Installation and Administration Guide

- [Installation](#)
- [Configuration](#)
- [Release Notes](#)
  - [ZI-MailApproval 1.0](#)

# Installation

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

```
tar xvzf ZI-MailApproval-1.6.tar.gz  
cd ZI-MailApproval-1.6/  
perl ZI-Installer
```

At the beginning required perl packages will be checked and installed if necessary:

```

root@zimbralab-krzysztof:/tmp/ZI-MailApproval-1.6# perl ZI-Installer
System check dependencies....
  o JSON.....ok (v2.94)
  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 File::chmod.....ok (v0.42)
  o File::chmod::Recursive.....ok (v1.0.3)
  o JSON.....ok (v2.94)
  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.....ok (v1.25)
  o LWP::Protocol::ldaps.....ok (undef)
  o LWP::Protocol::loopback.....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 (v2.37)
  o URI::URL.....ok (v5.04)
  o URI::http.....ok (v1.71)
  o File::Copy::Recursive.....ok (v0.44)
  o Try::Tiny.....ok (v0.30)
  o Archive::Zip.....ok (v1.64)
  o Archive::Zip::MemberRead.....ok (v1.64)
  o JSON.....ok (v2.94)
  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 File::chmod.....ok (v0.42)
  o File::chmod::Recursive.....ok (v1.0.3)
ZI-Installer: "installationType" is not specified, use local installation instead
ZI-Installer: "NoDatabase" was set. Database configuration will be ignored

```

Then script will display configuration summary:

```
-----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             --> IntalioZiMailApproval
-----

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

Answer: Y

```
Installation starting.....
Creating zimlet directory...
Removing earlier version....
Earlier versions not found...
Copying Extensions...
Copying language properties...
Copying script libs...
Setting permissions...
Looking for zip files in Zimlets directory...
Found 1 files
Starting deploy....
[] INFO: Deploying Zimlet intalio_zi_mail_approval in LDAP.
[] INFO: Installing Zimlet intalio_zi_mail_approval on this host.
[] INFO: Upgrading Zimlet intalio_zi_mail_approval to 1.6.27
[] INFO: Adding Zimlet intalio_zi_mail_approval to COS default
[] INFO: Enabling Zimlet intalio_zi_mail_approval
Deploy complete
System check dependencies...
  o JSON.....ok (v2.94)
  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.....ok (v1.25)
  o LWP::Protocol::ldaps.....ok (undef)
  o LWP::Protocol::loopback.....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 (v2.33)
  o URI::URL.....ok (v5.04)
  o URI::http.....ok (v1.71)
  o File::Copy::Recursive.....ok (v0.44)
  o Try::Tiny.....ok (v0.30)
  o Archive::Zip.....ok (v1.64)
  o Archive::Zip::MemberRead.....ok (v1.64)
ZI-LicenseManager - version 1.02
Please enter your login/email: zimbrademo
Enter your password:
```

Enter login and password received with the license.

```
|-----|
|                               | Licenses                               |
|-----+-----+-----+-----+-----+-----+-----+-----+
| Nr | license_number | description |
|-----+-----+-----+-----+-----+-----+-----+
| 1  | 8[REDACTED]    | ZI-License for Intalio [REDACTED] |
| 2  | n[REDACTED]    | ZI-License for Intalio [REDACTED] |
|-----+-----+-----+-----+-----+-----+-----+
Please choose from 1-2 option or type exit
Your option: 2
```

Choose your license.

```
|-----+-----+-----+-----+-----+-----+-----+-----+
|                               | Extensions in license number: [REDACTED] |
|-----+-----+-----+-----+-----+-----+-----+-----+
| Nr | name           | extension_number | start_date | end_date | version | support | user_limit |
|-----+-----+-----+-----+-----+-----+-----+-----+
| 1  | ZI-Access      | [REDACTED]       | 2019-06-03 | 2099-12-31 | 1.x     | 2050-12-31 | 9999 |
| 2  | ZI-MailApproval| [REDACTED]       | 2019-06-04 | 2099-12-31 | 1.x     | 2050-12-31 | 9999 |
| 3  | ZI-Knock       | [REDACTED]       | 2020-04-30 | 2023-04-29 | 1.x     | 2050-12-31 | 500  |
| 4  | ZI-Chat        | [REDACTED]       | 2019-06-04 | 2099-12-31 | 2.x     | 2050-12-31 | 9999 |
| 5  | ZI-ADPassword  | [REDACTED]       | 2019-01-01 | 2099-03-03 | 1.x     | 2022-03-03 | 2000 |
| 6  | ZI-Piler       | [REDACTED]       | 2019-03-21 | 2099-12-31 | 2.x     | 2050-12-31 | 1000 |
| 7  | ZI-PolicyD     | [REDACTED]       | 2020-09-08 | 2099-12-31 | 2.x.x   | 2050-12-31 | 0     |
| 8  | ZI-SecurityIncident| [REDACTED]      | 2020-09-11 | 2099-09-29 | 1.x     | 2099-09-11 | 100000 |
| 9  | ZI-PassRecovery| [REDACTED]       | 2021-07-08 | 2099-12-31 | 1.x     | 2022-07-07 | 9999 |
|-----+-----+-----+-----+-----+-----+-----+-----+
Proceed?
(Y/n or exit): y
```

Choose: Y

```
Downloading license...
Saving license.....
Saving complete!
Activating Main License - version 1.0.11.10...
New zimbra version
Starting activation process.
Message from the activation server: Main license has been activated!
You have the right to activate the license.
New activation - ok
Activate ZI-Piler - version 2.9.1....
New zimbra version
Starting activation process.
Message from the activation server: Extension was activated!
You have the right to activate the license.
New activation - ok
Activate ZI-MailApproval - version 1.6.1....
New zimbra version
Starting activation process.
Message from the activation server: Extension was activated!
You have the right to activate the license.
New activation - ok
Activate ZI-PassRecovery - version 1.5.1....
New zimbra version
Starting activation process.
Message from the activation server: Extension was activated!
You have the right to activate the license.
New activation - ok

Thanks for activation!
Deleting cache...
Cache deleted

##### INFO #####
After license reactivation there's no need to restart zimbra
##### INFO #####

Restart zimbra?
(Y/n or exit): y
```

Choose: Y

If You answer Y, the zimbra mailbox will be restarted

```
Stopping mailboxd...done.
Starting mailboxd...done.
Done

Clear temporary files...
```

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

information about granted licenses.

In case of the **multi server** instalation, zimlet must be installed on **each mailbox**.

Remeber to restart all mailboxes (as zimbra):

```
zmmailboxdctl restart
```



# Configuration

## Zimlet configuration

Main configuration is done through the config file available under

```
/opt/zimbra/lib/ext/IntalioZiMailApproval/approvalMap.json
```

**ResponsibleGroups** - Groups of accounts accepting or declining e-mails.

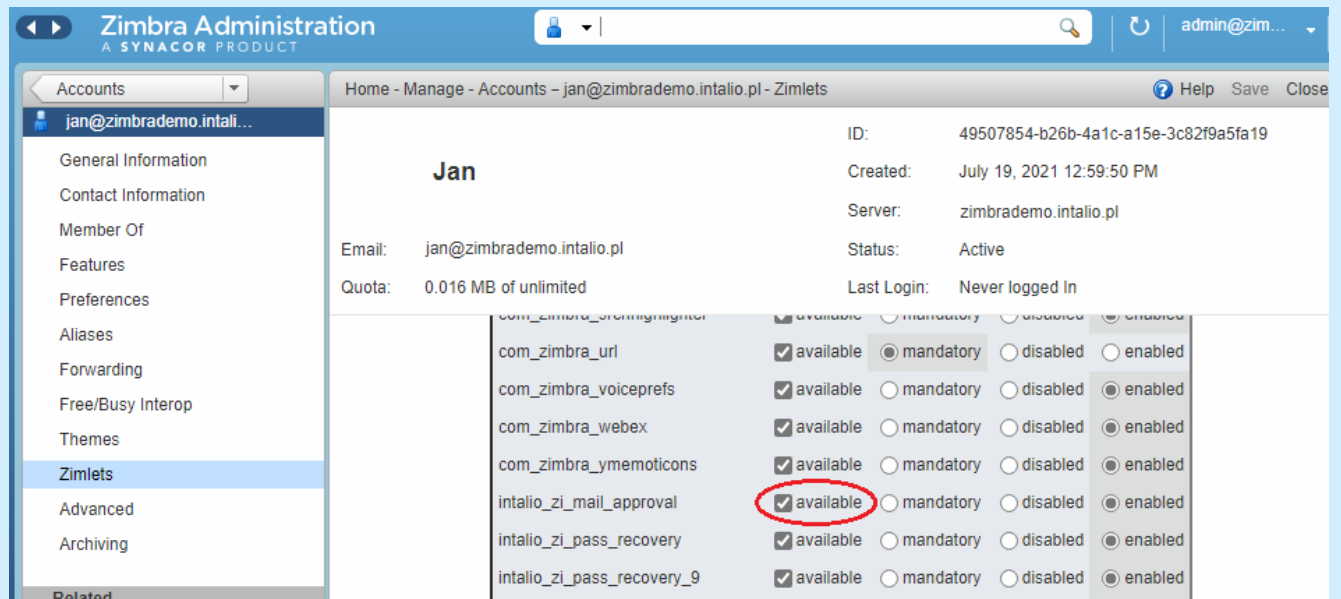
**IrresponsibleGroups** - Groups of accounts whose e-mails have to be accepted or declined.

**Map** - Defines who can accept whose e-mails.

In the following example `jan@zimbrademo.intalio.pl` can review `robert@zimbrademo.intalio.pl` mails when he doesn't have an influence on `test@zimbrademo.intalio.pl` account's mails.

```
{  
  "ResponsibleGroups": {  
    "Admins1": [  
      "jan@zimbrademo.intalio.pl"  
    ],  
    "Admins2": [  
      "admin@zimbrademo.intalio.pl"  
    ]  
  },  
  "IrresponsibleGroups": {  
    "RegularEmployees": [  
      "robert@zimbrademo.intalio.pl"  
    ],  
    "Trainees": [  
      "test@zimbrademo.intalio.pl",  
      "test2@zimbrademo.intalio.pl"  
    ]  
  },  
  "Map": {  
    "Admins1": [  
      "RegularEmployees"  
    ],  
    "Admins2": [  
      "Trainees"  
    ]  
  }  
}
```

Mail reviewers have to have also zimlet availability set on in the Zimbra Administration Console.



## CBPolicyd configuration

ZI-MailApproval requires installed, enabled and configured CBPolicyd service.

### Pre-requisites

Enable the Access Control attribute in Zimbra and restart services.

```
su - zimbra
zmpov ms `zmhostname` zimbraCBPolicydAccessControlEnabled TRUE
zmmactl restart
zmcbspolicyctl start
```

### Group

1. In PolicyD Web interface, Go to **Policies -> Groups**.
2. Click on **Action** dropdown -> Add.

3. Specify Name for example *GrupaZiIntalioMailApproval*. Click **Submit**.

*GrupaZiIntalioMailApproval* group should be created successfully.

The screenshot shows the 'PolicyD Web Administration' interface. On the left is a sidebar with links: Home, Policies (Main, Groups), Access Control (Configure), and HELO/EHLO Checks (Configure, Blacklist, Whitelist). The main content area is titled 'Add Policy Group'. It contains a form with a 'Name' field filled with 'GrupaZiIntalioMailApproval' and an empty 'Comment' text area. Below the form is a 'Prześlij' (Submit) button. A 'Back to groups' link is at the top left of the main area.

4. Go to **Policies -> Groups** and select *GrupaZiIntalioMailApproval* and from Action dropdown select **Members**.

The screenshot shows the 'PolicyD Web Administration' interface with the 'Policy Groups' section. A table lists three groups: 'GrupaZiIntalioMailApproval' (selected with a radio button), 'internal\_domains', and 'internal\_ips'. Each group has an 'Action' dropdown menu and a 'Disabled' column. The 'Action' dropdown for 'GrupaZiIntalioMailApproval' is open, showing options: 'Add', 'Change', 'Delete', and 'Members'. The 'Disabled' column shows 'no' for all groups.

	Name	Action	Disabled
<input checked="" type="radio"/>	GrupaZiIntalioMailApproval	Add	no
<input type="radio"/>	internal_domains	Change	no
<input type="radio"/>	internal_ips	Delete	no

5. On the page, from Action dropdown select **Add**
6. In *Member* textbox, specify one of the users you want to assign to ZI-MailApproval functionality. Here *test@zimbrademo.intalio.pl* was used as an example. Then click **Submit**.

The screenshot shows the 'PolicyD Web Administration' interface with the 'Add Policy Group Member' section. It contains a form with a 'Member' field filled with 'test@zimbrademo.intalio.pl' and an empty 'Comment' text area. Below the form is a 'Prześlij' (Submit) button. At the top of the main area are two links: 'Back to groups' and 'Back to members'.

7. At the top of the page, click on **Back to members**. Select the above created member *test@zimbrademo.intalio.pl*. From Action dropdown select **Change**.
8. For **Disabled**, select **No** from the dropdown. Click **Submit**.

**PolicyD Web Administration**

**Home**

**Policies**

- > Main
- > Groups

**Access Control**

- > Configure

**HELO/EHLO Checks**

- > Configure
- > Blacklist
- > Whitelist

**SPF Checks**

- > Configure

[Back to groups](#) [Back to members](#)

**Update Policy Group Member**

	Old Value	New Value
<b>Member</b>	test@zimbrademo.intalio.pl	<input type="text"/>
<b>Comment</b>	<div style="background-color: #cccccc; height: 40px;"></div>	<div style="border: 1px solid #ccc; height: 40px;"></div>
<b>Disabled</b>	no	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="display: flex; align-items: center;"> <div style="width: 15px; height: 15px; background-color: #ccc; margin-right: 5px;"></div> <div> <div style="border-bottom: 1px solid #ccc; padding: 2px 5px;">--</div> <div style="border-bottom: 1px solid #ccc; padding: 2px 5px;">No</div> <div style="border-bottom: 1px solid #ccc; padding: 2px 5px;">Yes</div> </div> </div> </div>

9. Go to **Policies -> Groups** and select *GrupaZiIntalioMailApproval*. From Action dropdown select **Change**.
10. For **Disabled**, select **No** from the dropdown. Click **Submit**

**PolicyD Web Administration**

**Home**

**Policies**

- > Main
- > Groups

**Access Control**

- > Configure

**HELO/EHLO Checks**

- > Configure
- > Blacklist
- > Whitelist

[Back to groups](#)

**Update Policy Group**

	Old Value	New Value
<b>Name</b>	GrupaZiIntalioMailApproval	<input type="text"/>
<b>Disabled</b>	no	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="display: flex; align-items: center;"> <div style="width: 15px; height: 15px; background-color: #ccc; margin-right: 5px;"></div> <div> <div style="border-bottom: 1px solid #ccc; padding: 2px 5px;">--</div> <div style="border-bottom: 1px solid #ccc; padding: 2px 5px;">No</div> <div style="border-bottom: 1px solid #ccc; padding: 2px 5px;">Yes</div> </div> </div> </div>

11. The *GrupaZiIntalioMailApproval* group is now enabled.

## Policy

1. Go to **Policies -> Main**.
2. Click on **Action** dropdown -> Add.
3. Specify Name for example *ZiIntalioMailApproval*, Priority 10 and Description *ZiIntalioMailApproval*. Click **Submit**. The policy should be created successfully.

**PolicyD Web Administration**

[Back to policies](#)

- Home
- Policies**
  - > Main
  - > Groups
- Access Control**
  - > Configure
- HELO/EHLO Checks**
  - > Configure
  - > Blacklist
  - > Whitelist
- SPF Checks**
  - > Configure
- Greylisting**
  - > Configure
  - > Whitelist

**Add Policy**

**Name**

**Priority**

**Description**

4. Go to **Policies -> Main** and select *ZiIntalioMailApproval*. From Action dropdown select **Members**.
5. On the page, from Action dropdown select **Add**.
6. In **Source** textbox, specify *%GrupaZiIntalioMailApproval* and in **Destination** textbox, specify *any*. Click **Submit**.

**PolicyD Web Administration**

[Back to policies](#) [Back to members](#)

- Home
- Policies**
  - > Main
  - > Groups
- Access Control**
  - > Configure
- HELO/EHLO Checks**
  - > Configure
  - > Blacklist
  - > Whitelist
- SPF Checks**
  - > Configure
- Greylisting**
  - > Configure

**Add Policy Member**

**Source**

**Destination**

**Comment**

7. At the top of the page, click on **Back to members**. Select the above created member. From Action dropdown select **Change**.
8. For **Disabled**, select **No** from the dropdown. Click **Submit**.
9. Go to **Policies -> Main** and select *ZiIntalioMailApproval*. From Action dropdown select **Change**.
10. For **Disabled**, select **No** from the dropdown. Click **Submit**.
11. The *ZiIntalioMailApproval* policy is now enabled.

## Access Control

1. Go to **Access Control -> Configure**.
2. Click on **Action** dropdown -> Add.
3. In **Name** textbox, specify *ControlZiIntalioMailApproval*.
4. In **Link to policy** dropdown, select policy *ZiIntalioMailApproval*
5. In **Verdict** dropdown, select *Hold*.

The screenshot displays the 'PolicyD Web Administration' interface. On the left is a navigation menu with the following items: Home, Policies (with sub-items Main and Groups), Access Control (with sub-item Configure), HELO/EHLO Checks (with sub-items Configure, Blacklist, and Whitelist), SPF Checks (with sub-item Configure), and Greylisting (with sub-items Configure and Whitelist). The main content area is titled 'Add Access Control' and contains a form with the following fields: 'Name' (text input with value 'ControlZiIntalioMailApproval'), 'Link to policy' (dropdown menu with value 'ZiIntalioMailApproval'), 'Verdict' (dropdown menu with value 'Hold'), 'Data' (text input with value 'Mail hold'), and 'Comment' (text area). A 'Prześlij' (Submit) button is located at the bottom left of the form. Above the form, there is a 'Back to access cntrl' link.

6. Click **Submit**. The Access Control list should be created successfully.
7. Go to **Access Control -> Configure** and select *ZiIntalioMailApproval*
8. From Action dropdown select **Change**.
9. For **Disabled**, select **No** from the dropdown. Click **Submit**

# Release Notes



# ZI-MailApproval 1.0

[29.09.2023] Wersja 1.8

## Nowości

- Dodano możliwość zmiany hasła lokalnego. Jeżeli autoryzacja ma włączony fallback - po nieudanej zmianie hasła w AD, system zmieni hasło lokalne (funkcja działa zarówno z panelu użytkownika, `zmprov setPassword` oraz panelu admina).
- 

[22.08.2023] Wersja 1.7

## Nowości

- Przygotowanie modułu pod Z10.
- 

[16.08.2022] Wersja 1.7

## Nowości

- Przygotowanie modułu pod JRE 17.
- 

[09.03.2021] Wersja 1.6

## Nowości

- Wydanie wersji dla Zimbry 9 - kompatybilnej z Zimbrą 8
- 

[03.06.2020] Wersja 1.5

## Nowości

- Dodanie nowego CI.
- 

[02.04.2020] Wersja 1.5

## Nowości

- Dodanie weryfikacji portu SSL podczas sprawdzania licencji.
- 

[31.03.2020] Wersja 1.5

## Nowości

- Dodanie obsługi nowej wersji serwera licencji ( $\geq 1.0.6$ ), zmiana sposobu odpytywania o licencje (mniejsze zużycie zasobów).
- 

[03.03.2020] Wersja 1.4

## Nowości

- Dodanie katalogu głównego do instalatorów.
- 

[03.03.2020] Wersja 1.4

## Nowości

- Dodanie obfuskacji kodu.
- 

[07.01.2020] Wersja 1.3

## Nowości

- Aktualizacja flagi wymagania zmiany hasła po poprawnym zalogowaniu (jeżeli użytkownik spróbował zalogować się do systemu, ale AD zwróciło potrzebę zmiany hasła to flaga wymaganej zmiany hasła pozostawała niezmieniona)
-

[02.01.2020] Wersja 1.3

## Nowości

- Dostosowanie kodu do java13 + Zimbry 8.8.15, porzucenie wsparcia dla Javy starszej niż 13
- 

[24.04.2019] Wersja 1.2

## Nowości

- Dodanie zamykania sesji po autoryzacji (W przypadku samby)
- 

[15.04.2019] Wersja 1.1

## Nowości

- LicenseSystem - dodanie kompatybilnej weryfikacji licencji dla Zimbry > 8.8.11
- 

[15.04.2019] Wersja 1.1

## Nowości

- Ustawienie poprawnego scope.