

ZI-MailApproval - Installation and Administration Guide

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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):

```
zmmailboxctl 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"  
    ]  
}  
  
~  
~  
~  
~  
~  
~  
~  
~  
~  
~  
~
```

"approvalMap.json" [readonly] 27L, 453C

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

The screenshot shows the Zimbra Administration Console interface. On the left is a sidebar with a menu including 'Accounts', 'General Information', 'Contact Information', 'Member Of', 'Features', 'Preferences', 'Aliases', 'Forwarding', 'Free/Busy Interop', 'Themes', 'Zimlets' (highlighted), 'Advanced', and 'Archiving'. The main content area is titled 'Home - Manage - Accounts - jan@zimbrademo.intalio.pl - Zimlets'. It displays account details for 'Jan': ID: 49507854-b26b-4a1c-a15e-3c82f9a5fa19, Created: July 19, 2021 12:59:50 PM, Server: zimbrademo.intalio.pl, Status: Active, Last Login: Never logged in, Email: jan@zimbrademo.intalio.pl, and Quota: 0.016 MB of unlimited. Below this is a table of zimlets with columns for the zimlet name and its status (available, mandatory, disabled, enabled). The 'intalio_zi_mail_approval' row has its 'available' checkbox checked and circled in red.

Zimlet Name	available	mandatory	disabled	enabled
com_zimbra_oremhighlighter	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
com_zimbra_url	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
com_zimbra_voiceprefs	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
com_zimbra_webex	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
com_zimbra_ymemoticons	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
intalio_zi_mail_approval	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
intalio_zi_pass_recovery	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
intalio_zi_pass_recovery_9	<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

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
zmprov ms `zmhostname` zimbraCBPolicydAccessControlEnabled TRUE
zmmactl restart
zmcbspolicydctl 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.

PolicyD Web Administration

[Back to groups](#)

Add Policy Group

Name:

Comment:

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

PolicyD Web Administration

Policy Groups

	Name	Disabled
<input checked="" type="radio"/>	GrupaZiIntalioMailApproval	no
<input type="radio"/>	internal_domains	no
<input type="radio"/>	internal_ips	no

Action:

select action

- Add
- Change
- Delete
- Members

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**.

PolicyD Web Administration

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

Add Policy Group Member

Member:

Comment:

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
Member	test@zimbrademo.intalio.pl	<input type="text"/>
Comment	<div style="background-color: #eee; height: 40px;"></div>	<div style="border: 1px solid #ccc; height: 40px;"></div>
Disabled	no	<div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> -- </div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block; margin-top: 2px;"> -- No Yes </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
Name	GrupaZiIntalioMailApproval	<input type="text"/>
Disabled	no	<div style="border: 1px solid #ccc; padding: 2px; display: inline-block;"> -- </div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block; margin-top: 2px;"> -- No Yes </div>

Prześlij

--
No
Yes

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

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

[Back to policies](#)

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

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

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

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*.

PolicyD Web Administration

Home

Policies

- > Main
- > Groups

Access Control

- > Configure

HELO/EHLO Checks

- > Configure
- > Blacklist
- > Whitelist

SPF Checks

- > Configure

Greylisting

- > Configure
- > Whitelist

[Back to access cntrl](#)

Add Access Control

Name

ControlZiIntalioMailApproval

Link to policy

ZiIntalioMailApproval ▼

Verdict ?

Hold ▼

Data ?

Mail hold

Comment

Prześlij

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.