

zmprov (Provisioning)

The **zmprov** tool performs all provisioning tasks in Zimbra LDAP, including creating accounts, aliases, domains, distribution lists, and calendar resources. Each operation is invoked through command-line options, each of which has a long name and a short name.

The syntax for modify can include the prefix "+" or "-" so that you can make changes to the attributes affected and do not need to reenter attributes that are not changing. Use + to add a new instance of the specified attribute name without changing any existing attributes. Use - to remove a particular instance of an attribute. The syntax is **zmprov [cmd] [argument]**.

The following objects use this syntax:

- **ModifyAccount**
- **ModifyDomain**
- **ModifyCos**
- **ModifyServer**
- **ModifyConfig**
- **ModifyDistributionList**
- **ModifyCalendarResource**

The following example would add the attribute **zimbraZimletUserProperties** with the value "testing" to user 1 and would not change the value of any other instances of that attribute.

```
zmprov ma user1 +zimbraZimletUserProperties testing
```

Short Name	Long Name	Syntax, Example, and Notes
-h	--help	display usage
-f	--file	use file as input stream
-s	--server	{host}[:{port}] server hostname and optional port
-l	--ldap	provision via LDAP instead of SOAP
-a	--account {name}	account name to auth as
-p	--password {pass}	password for account
-P	--passfile {file}	read password from file
-z	--zadmin	use zimbra admin name/password from localconfig for admin/password

-v	--verbose	verbose mode (dumps full exception stack trace)
-d/	--debug	debug mode (dumps SOAP messages)

The commands in the following table are divided into the following tasks types - Account, Calendar Resources, Config, COS, Distribution List, Documents, Domain, Server, and Miscellaneous.

Long Name	Short Name	Syntax, Example, and Notes
Account Provisioning Commands		
CreateAccount	ca	Syntax: {name@domain} {password} [attribute1 value1 etc] Type on one line. zmprov ca joe@domain.com test123 displayName JSmith
DeleteAccount	da	Syntax: {name@domain id adminName} zmprov da joe@domain.com
GetAccountMembership	gam	{name@domain id}
GetAccount	ga	Syntax: {name@domain id adminName} zmprov ga joe@domain.com
GetAllAccounts	gaa	Syntax: [-v] [{domain}] zmprov gaa zmprov gaa -v domain.com
GetAllAdminAccounts	gaaa	Syntax: gaaa zmprov gaaa
ModifyAccount	ma	{name@domain id adminName} [attribute1 value1 etc] zmprov ma joe@domain.com zimbraAccountStatus maintenance
SetPassword	sp	{name@domain id adminName} {password} Note: Passwords cannot include accented characters in the string. Example of accented characters that cannot be used: ã, é, í, ú, ü, ñ. zmprov sp joe@domain.com test321
AddAccountAlias	aaa	{name@domain id adminName} {alias@domain} zmprov aaa joe@domain.com

		joe.smith@engr.domain.com
RemoveAccountAlias	raa	{name@domain id adminName} {alias@domain} zmprov raa joe@domain.com joe.smith@engr.domain.com
SetAccountCOS	sac	{name@domain id adminName} {cos-name cos-id} zmprov sac joe@domain.com FieldTechnician
SearchAccounts	sa	[-v] {ldap-query} [limit] [offset] [sortBy {attribute}]

Calendar Resource Provisioning Commands

CreateCalendarResource	ccr	{name@domain} [attr1 value1 [attr2 value2...]]
DeleteCalendarResource	dcr	{name@domain id}
GetAllCalendarResources	gacr	[-v] [{domain}]
GetCalendarResource	gcr	{name@domain id}
ModifyCalendarResource	mcr	{name@domain id} [attr1 value1 {attr2 value2...}]
RenameCalendarResource	rcr	{name@domain id} {newName@domain}
SearchCalendarResources	scr	[-v] domain attr op value {attr op value...}

Domain Provisioning Commands

CreateDomain	cd	{domain} [attribute1 value1 etc] zmprov cd mktng.domain.com zimbraAuthMech zimbra
DeleteDomain	dd	{domain id} zmprov dd mktng.domain.com
GetDomain	gd	{domain id} zmprov gd mktng.domain.com
GetAllDomains	gad	[-v]
ModifyDomain	md	{domain id} [attribute1 value1 etc] zmprov md domain.com zimbraGalMaxResults 50

COS Provisioning Commands

CreateCos	cc	{name} [attribute1 value1 etc] zmprov cc Executive zimbraAttachmentsBlocked FALSE zimbraAuthTokenLifetime 60m zimbraMailQuota 100M zimbraMailMessageLifetime 0
DeleteCos	dc	{name id} zmprov dc Executive
GetCos	gc	{name id} zmprov gc Executive
GetAllCos	gac	[-v] zmprov gac -v
ModifyCos	mc	{name id} [attribute1 value1 etc] zmprov mc Executive zimbraAttachmentsBlocked TRUE
RenameCos	rc	{name id} {newName} zmprov rc Executive Business

Server Provisioning Commands

CreateServer	cs	{name} [attribute1 value1 etc]
DeleteServer	ds	{name id} zmprov ds domain.com
GetServer	gs	{name id} zmprov gs domain.com
GetAllServers	gas	[-v] zmprov gas
ModifyServer	ms	{name id} [attribute1 value1 etc] zmprov ms domain.com zimbraVirusDefinitionsUpdateFrequency 2h

Config Provisioning Commands

GetAllConfig	gacf	[-v] All LDAP settings are displayed
GetConfig	gcf	{name}
ModifyConfig	mcf	attr1 value1 Modifies the LDAP settings.

Distribution List Provisioning Commands

CreateDistributionList	cdl	{list@domain} zmprov cdl needlepoint-list@domain.com
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AddDistributionListMember	adlm	{list@domain id} {member@domain} zmprov adlm needlepoint-list@domain.com singer23@mail.free.net
RemoveDistributionListMember	rdlm	{list@domain id} zmprov rdlm needlepoint-list@domain.com singer23@mail.free.net
GetAllDistributionLists	gadl	[-v]
Get DistributionListmembership	gdlm	{name@domain id}
GetDistributionList	gdl	{list@domain id} zmprov gdl list@domain.com
ModifyDistributionList	mdl	{list@domain id} attr1 value1 {attr2 value2...} zmprov md list@domain.com
DeleteDistributionList	ddl	(list@domain id)
AddDistributionListAlias	adla	{list@domain id} {alias@domain}
RemoveDistributionListAlias	rdla	{list@domain id} {alias@domain}
RenameDistributionList	rdl	{list@domain id} {newName@domain}
RemoveDistributionListMember	rdlm	{list@domain id} {member@domain}

Zimbra Documents Provisioning Commands

ImportNotebook	impn	{name@domain} {directory} {folder} Before importing files, any file that will become a Documents page (wiki-style page), must be renamed to include the extension ".wiki". If not it is imported as a file, accessed either as an attachment or an image. impn joe@domain.com /opt/zimbra /wiki/template template
InitNotebook	in	[[name@domain]] in joe@domain.com
initDomainNotebook	idn	{domain} [[name@domain]] Creates the domain Documents account idn domain.com domainwiki@domain.com

Miscellaneous Provisioning Commands

SearchGAL	sg	{domain} {name} zmprov sg joe
AutoCompleteGal	acg	{domain} {name}
GenerateDomainPreAuthKey	gdpak	{domain id} Generates a pre-authentication key to enable a trusted third party to authenticate to allow for single-sign on. Used in conjunction with GenerateDomainPreAuth.
GenerateDomainPreAuth	gdpa	{domain id} {name} {name id foreignPrincipal} {timestamp 0} {expires 0} Generates preAuth values for comparison.
GetMailboxInfo	gmi	{account}
GetQuotaUsage	gqu	{server}

Examples

- Create one account with a password that is assigned to the default COS.
`zmprov ca name@domain.com password`
- Create one account with a password that is assigned to a specified COS. You must know the COS ID number. To find a COS ID, type `gc <COSname>`.
`zmprov ca name@domain.com password zimbraCOS cosIDnumberstring`
- Create one account when the password is not authenticated internally.
`zmprov ca name@domain.com ''`
The empty single quote is required and indicates that there is no local password.
- Using a batch process to create accounts, see Managing the Zimbra Collaboration Suite chapter for the procedure.
- Add an alias to an account.
`zmprov aaa accountname@domain.com aliasname@domain.com`
- Create distribution list. The ID of the distribution list is returned.
`zmprov cd1 listname@domain.com`
- Add a member to a distribution list. Tip: You can add multiple members to a list from the administration console.
`zmprov adlm listname@domain.com member@domain.com`
- Change the administrator's password. Use this command to change any password. Enter the address of the password to be changed.
`zmprov sp admin@domain.com password`
- Create a domain that authenticates against Zimbra OpenLDAP.
`zmprov cd marketing.domain.com zimbraAuthMech zimbra`
- Set the default domain.
`zmprov mcf zimbraDefaultDomain domain1.com`

- To list all COSs and their attribute values.

```
zmprov gac -v
```

- To list all user accounts in a domain (domain.com)

```
zmprov gaa domain.com
```

- To list all user accounts and their configurations

```
zmprov gaa -v domain.com
```

- To enable logger on a single server

```
zmprov +zimbraServiceEnabled logger
```

Then type `zmloggerctl start`, to start the logger.

- Modify **zimbraNewMailNotification** to customize the notification email template. A default email is sent from Postmaster notifying users that they have received mail in another mailbox. To change the template, you modify the receiving mailbox account. The variables are

- `${SENDER_ADDRESS}`
- `${RECIPIENT_ADDRESS}`
- `${RECIPIENT_DOMAIN}`
- `${NOTIFICATION_ADDRESSES}`
- `${SUBJECT}`
- `${NEWLINE}`

You can specify which of the above variables appear in the **Subject**, **From**, or **Body** of the email. The following example is changing the appearance of the message in the body of the notification email that is received at **name@domain.com**. You can also change the template in a class of service, use `zmprov mc`. The command is written on one line.

```
zmprov ma name@domain.com zimbraNewMailNotificationBody 'Important message from ${SENDER_ADDRESS}.${NEWLINE}Subject:${SUBJECT}'
```

Appendix A Command-Line Utilities : zmprov (Provisioning)

[TOC](#) [<](#) [>](#) [Index](#)

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