

# Advanced GAM Cheat Sheet

<https://github.com/taers232c/GAMADV-X>

GAMADV-X 4.39.14 vs GAM 4.03

## Users and User Email

```
gam <who> spam messages | threads (((query
  <QueryGmail>) (matchlabel <LabelName>) [or | and])+)
  [quick | notquick] [doit] [max_to_spam | max_to_process
  <Number>]) | (ids <MessageIDEntity>)
gam <who> show messages | threads (((query
  <QueryGmail>) (matchlabel <LabelName>) [or | and])*)
  [quick | notquick] [max_to_show | max_to_process
  <Number>] [includespamtrash] |
  (ids <MessageIDEntity>) [headers <String>]
  [showlabels] [showsize] [showsnippet]
gam <who> print messages | threads (((query
  <QueryGmail>) (matchlabel <LabelName>) [or | and])*)
  [quick | notquick] [max_to_print | max_to_process
  <Number>] [includespamtrash] |
  (ids <MessageIDEntity>) [headers <String>]
  [showlabels] [showsize] [showsnippet] [todrive] [idfirst]
gam <who> deprovision
```

## Sites

```
gam [<who>] create site <SiteItem> <SiteAttributes>*
gam [<who>] update sites <SiteEntity> <SiteAttributes>+
gam [<who>] info sites <SiteEntity> [withmappings]
  [role | roles all | <SiteACLRoleList>]
gam [<who>] show sites [domain | domains
  <DomainNameEntity>] [includeallsites]
  [withmappings] [role | roles all | <SiteACLRoleList>]
  [maxresults <Number>]
gam [<who>] print sites [todrive [<ToDriveAttributes>]]
  [domain | domains <DomainNameEntity>]
  [includeallsites] [withmappings] [role | roles all |
  <SiteACLRoleList>] [maxresults <Number>]
  [convertcrnl] [delimiter <String>]
gam [<who>] print siteactivity <SiteEntity>
  [todrive [<ToDriveAttributes>]] [maxresults <Number>]
  [updated_min yyyy-mm-dd] [updated_max yyyy-mm-dd]
gam [<who>] add | update siteacls
  <SiteEntity> <SiteACLRole> <ACLScopeEntity>
gam [<who>] delete | info siteacls
  <SiteEntity> <ACLScopeEntity>
gam [<who>] show siteacls <SiteEntity>
```

## Domain Settings

```
gam update instance sso_settings [enabled <Boolean>]
  [sign_on_uri <URI>] [sign_out_uri <URI>]
  [password_uri <URI>] [whitelist <CIDRnetmask>]
  [use_domain_specific_issuer <Boolean>]
gam update instance sso_key <FileName>
gam update instance logo <FileName>
gam info instance [logo <FileName>]
```

## Contacts

```
gam create contact <ContactAttributes>+
gam update contacts <ContactEntity>
  <ContactAttributes>+
gam delete contacts <ContactEntity> |
  ([query <QueryContact>] [emailmatchpattern
  <RegularExpression>]
  [emailmatchtype work | home | other | <String>]
  [updated_min yyyy-mm-dd]
gam info contacts <ContactEntity> [basic | full]
  [showgroups] [fields <ContactFieldNameList>]
gam <who> show contacts [query <QueryContact>]
  [emailmatchpattern <RegularExpression>]
  [emailmatchtype work | home | other | <String>]
  [updated_min yyyy-mm-dd] [basic | full] [showgroups]
  [orderby <ContactOrderByFieldName>
  [ascending | descending]]
  [showdeleted] [fields <ContactFieldNameList>]
gam print contacts [todrive] [query <QueryContact>]
  [emailmatchpattern <RegularExpression>]
  [emailmatchtype work | home | other | <String>]
  [updated_min yyyy-mm-dd] [basic | full] [showgroups]
  [orderby <ContactOrderByFieldName>
  [ascending | descending]]
  [showdeleted] [fields <ContactFieldNameList>]
gam <who> create contactgroup
  <ContactGroupAttributes>+
gam <who> update contactgroup
  <ContactGroupItem> <ContactGroupAttributes>+
gam <who> delete contactgroups
  <ContactGroupEntity>
gam <who> info contactgroups
  <ContactGroupEntity>
gam <who> show contactgroups
  [updated_min yyyy-mm-dd]
  [basic | full] [showdeleted]
  [orderby <ContactOrderByFieldName>
  [ascending | descending]]
gam <who> print contactgroups [todrive]
  [updated_min yyyy-mm-dd] [basic | full] [showdeleted]
  [orderby <ContactOrderByFieldName>
  [ascending | descending]]
```

## Calendar ACLs, Events

```
gam calendar <calendar email> <action> [<options>]
```

where action and options are:

```
update event <EventIDEntity> <EventAttributes>+
move event <EventIDEntity> to <CalendarItem>
show | wipe events
add | update acl <CalendarACLRole> <ACLScope>
del acl [<CalendarACLRole>] <ACLScope>
info acl <ACLScopeEntity>
show acs
```

**DISCLAIMER:** This is a reference sheet for people familiar with GAM and is provided “as-is”. You use it at your own risk! Always test commands before running them in a production environment.

## Audit

```
gam audit uploadkey <ValueReadFromStdin>
gam audit activity request <EmailAddress>
gam audit activity delete <EmailAddress> <RequestID>
gam audit activity download <EmailAddress>
  <RequestID>
gam audit activity status [<EmailAddress> <RequestID>]
gam audit export request <EmailAddress>
  [begin <DateTime>] [end <DateTime>]
  [search <QueryGmail>] [headersonly] [includedeleted]
gam audit export delete <EmailAddress> <RequestID>
gam audit export download <EmailAddress>
  <RequestID>
gam audit export status [<EmailAddress> <RequestID>]
gam audit export watch <EmailAddress> <RequestID>
gam audit monitor create <EmailAddress>
  <DestEmailAddress> [begin <DateTime>]
  [end <DateTime>] [incoming_headers]
  [outgoing_headers] [nochats] [nodrafts]
  [chat_headers] [draft_headers]
gam audit monitor delete <EmailAddress>
  <DestEmailAddress>
gam audit monitor list <EmailAddress>
```

## Chrome Devices

```
gam list [todrive [<ToDriveAttributes>]] <EntityList>
  [data <CrOSTypeEntity>]
  <UserTypeEntity> [delimiter <String>]]
gam <CrOSTypeEntity> | <UserTypeEntity> list
  [todrive [<ToDriveAttributes>]]
  [data <EntityList> [delimiter <String>]]
gam <UserTypeEntity> check serviceaccount
```

## Bulk Operations

```
gam csv <FileName> |- [charset <Charset>]
  [columndelimiter <String>] [fields <FieldNameList>]
  (matchfield <FieldName> <RegularExpression>)*
gam <GAMArgumentList>
```

## File Redirection

```
gam [<Select>] [<Config>] [<Redirect>] [any gam cmd]
<Redirect> is:
redirect csv <FileName> [multiprocess] [append]
  [noheader] [charset <Charset>]
  [columndelimiter <Character>] |
redirect stdout <FileName> [append] |
redirect stderr <FileName> [append]
```

## User Drive Management

```
gam <who> show filetree [anyowner | (showownedby any |
  me | others)] [select <DriveFileEntity> | orphans]
  [depth <Number>] (orderby <DriveOrderByFieldName>
  [ascending | descending])*
gam <who> print | show filelist [todrive
  [<ToDriveAttributes>]] [anyowner | (showownedby any |
  me | others)] [query <QueryDriveFile>]
  [fullquery <QueryDriveFile>] [select <DriveFileEntity> |
  orphans] [depth <Number>] [filepath] [allfields]
  <DriveFieldName>* (orderby <DriveOrderByFieldName>
  [ascending | descending])* [delimiter <String>]
gam <who> print | show driveactivity [todrive
  [<ToDriveAttributes>]] [fileid <DriveFileID>]
  [folderid <DriveFolderID>]
gam <who> print | show drivesettings
  [todrive [<ToDriveAttributes>]]
gam <who> delete | del emptydrivefolders
gam <who> purge drivefile <DriveFileEntity>
gam <who> trash drivefile <DriveFileEntity>
gam <who> untrash drivefile <DriveFileEntity>
gam <who> copy drivefile <DriveFileEntity> [newfilename
  <DriveFileName>] [recursive] [parentid <DriveFolderID>]
  [parentname <DriveFolderName>]
gam <who> show filepath <DriveFileEntity>
```

### ACLs

```
gam <who> add drivefileacl <DriveFileEntity>
  anyone | (user <UserItem>) | (group <GroupItem>) |
  (domain <DomainName>) (role <DriveFileACLRole>)
  [withlink | (allowfilediscovery <Boolean>)]
  [expiration <Time>] [sendmail] [emailmessage <String>]
  [showtitles]
gam <who> update drivefileacl <DriveFileEntity>
  <DriveFilePermissionIDorEmail> (role <DriveFileACLRole>)
  [withlink | (allowfilediscovery <Boolean>)]
  [expiration <Time>] [removeexpiration <Boolean>]
  [transferownership <Boolean>] [showtitles]
gam <who> delete drivefileacl <DriveFileEntity>
  <DriveFilePermissionIDorEmail> [showtitles]
gam <who> show drivefileacl <DriveFileEntity> [showtitles]
gam <who> add permissions <DriveFileEntity>
  <DriveFilePermissionEntity> [expiration <Time>]
  [sendmail] [emailmessage <String>]
gam <who> delete permissions <DriveFileEntity>
  <DriveFilePermissionIDEntity>
gam <who> transfer ownership <DriveFileEntity>
  <UserItem> [includetrashed]
  (orderby <DriveOrderByFieldName>
  [ascending | descending])* [preview] [filepath]
  [todrive [<ToDriveAttributes>]]
gam <who> claim ownership <DriveFileEntity>
  [skipids <DriveFileEntity>] [skipusers <UserTypeEntity>]
  [subdomains <DomainNameEntity>] [includetrashed]
  [writerscantshare] [preview] [filepath]
  [todrive [<ToDriveAttributes>]]
```

*This sheet lists additional commands that appear in Ross Scroggs' advanced/extended version of GAM when compared to the normal version of GAM.*

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