

Advanced GAM Cheat Sheet

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

GAMADV-X 4.39.14 vs GAM 4.03

Users

```
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])
```

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]]]
```

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>
```

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 acls
```

User Email

```
gam <who> deprovision
```

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
```

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>
```

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>]
```

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.

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.