

# Cheatsheet: Cloudfoundry UAA

VMWARE

- PDF Link: [cheatsheet-uaa-A4.pdf](#), Category: tools
- Blog URL: <https://cheatsheet.dennyzhang.com/cheatsheet-uaa-A4>
- Related posts: Bosh CheatSheet, PKS CheatSheet, #denny-cheatsheets

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## 1.1 uaac

Name	Command
Run command	<code>uaac apt-install ruby ruby-dev build-essential rubygems; gem install uaac-cf</code>
Set a new target	<code>uaac target https://&lt;uaa-dnsname&gt;:8443 --skip-ssl-validation</code>
List all context	<code>uaac contexts</code>
Log in as a UAA admin	<code>uaac token client get admin -s &lt;uaa-management-admin-client&gt;</code> Link: Log in as a UAA Admin
List users	<code>uaac users</code>
List all client registrations	<code>uaac clients</code>
Add user	<code>uaac user add alana --emails alana@example.com -p password</code> Link: Grant PKS Access to a User
Add user to group	<code>uaac member add pks.clusters.admin alana</code> Link: Grant PKS Access to a User
Get specific user account	<code>uaac user get alana</code>
Get user	<code>uaac user get pks-admin</code>
Reference	Bosh CheatSheet, Tile CheatSheet, UAA CheatSheet, PKS CheatSheet

## 1.2 UAA Concept

Name	Command
target	
context	
client	
token	
password	
secret	

## 1.3 credhub

Name	Command
CredHub	It centralizes and secures credential generation, storage, lifecycle management, and access.
Reference	GitHub: credhub, GitHub: credhub-cli, Link: credhub
credhub login	<code>credhub login -client-name credhub-admin -client-secret "admin_secret" -s "{api_url}" -ca-cert "{ca_file}"</code>

<https://raw.githubusercontent.com/dennyzhang/cheatsheet.dennyzhang.com/master/cheatsheet-uaa-A4/credhub-service.png>

## 1.4 Online Help Usage

kubo@jumper:~\$ uaac --help

UAA Command Line Interface

Miscellaneous

<code>version</code>	Display version
<code>help [topic command...]</code>	Display summary or details of command or topic
<code>target [uaa_url]</code>	Display current or set new target
	<code>-f   --[no-]force</code> , set even if target does not respond
	<code>--ca-cert [file]</code> , use the given CA certificate to validate the target's SSL
	<code>--skip-ssl-validation</code> , do not attempt to validate ssl certificate
<code>targets</code>	Display all targets
<code>context [name]</code>	Display or set current context

contexts	Display all contexts
<b>System Information</b>	
info	get information about current target
me	get authenticated user information
prompts	Show prompts for credentials required for implicit grant post
signing key	get the UAA's token signing key(s) -c   --client <name> -s   --secret <secret>, client secret
stats	Show UAA's current usage statistics -c   --client <name> -s   --secret <secret>, client secret
password strength [password]	calculate strength score of a password
<b>Tokens</b>	
token get [credentials...]	Gets a token by posting user credentials with an implicit grant request -c   --client <name> --scope <list>
token client get [id]	Gets a token with client credentials grant -s   --secret <secret>, client secret --scope <list>
token owner get [client] [user]	Gets a token with a resource owner password grant -s   --secret <secret>, client secret -p   --password <password>, user password --scope <list>
token sso get [client]	Gets a token based on a one time passcode after successful SSO via browser -s   --secret <secret>, client secret --passcode <passcode> --scope <list>
token refresh [refreshtoken]	Gets a new access token from a refresh token -c   --client <name> -s   --secret <secret>, client secret --scope <list>
token authcode get	Gets a token using the authcode flow with browser -c   --client <name> -s   --secret <secret>, client secret --scope <list> --[no-]cf, save token in the ~/.cf_tokens file --port <number>, pin internal server to specific port
token implicit get	Gets a token using the implicit flow with browser -c   --client <name> --scope <list> --[no-]cf, save token in the ~/.cf_tokens file --port <number>, pin internal server to specific port
token decode [token] [tokentype]	Show token contents as parsed locally or by the UAA. Decodes locally unless --key <key>, Token validation key -c   --client <name> -s   --secret <secret>, client secret
token delete [contexts...]	Delete current or specified context tokens and settings --[no-]all, remove all contexts
<b>User Accounts</b>	
users [filter]	List user accounts -a   --attributes <names>, output for each user --start <number>, start of output page --count <number>, max number per page
user get [name]	Get specific user account --origin <identity provider origin, defaults to UAA> -a   --attributes <names>, output for each user

user add [name]	Add a user account
	--given_name <name>
	--family_name <name>
	--emails <addresses>
	--phones <phone_numbers>
	--origin <identity provider origin, defaults to UAA>
	-p   --password <password>, user password
user update [name]	Update a user account with specified options
	--given_name <name>
	--family_name <name>
	--emails <addresses>
	--phones <phone_numbers>
	--origin <identity provider origin, defaults to UAA>
	--del_attrs <attr_names>, list of attributes to delete
user delete [name]	Delete user account
	--origin <identity provider origin, defaults to UAA>
user ids [username id...]	Gets user names and ids for the given users
user unlock [name]	Unlocks the user account
user deactivate [name]	Deactivates user
user activate [name]	Activates user
password set [name]	Set password
	-p   --password <password>, user password
password change	Change password for authenticated user in current context
	-o   --old_password <password>, current password
	-p   --password <password>, user password
Groups	
groups [filter]	List groups
	-a   --attributes <names>, output for each user
	--start <start>, show results starting at this index
	--count <count>, number of results to show
group get [name]	Get specific group information
	-a   --attributes <names>, output for each user
group add [name]	Adds a group
group delete [name]	Delete group
group mappings	List all the mappings between uaa scopes and external groups
	--start <start>, show results starting at this index
	--count <count>, number of results to show
group map [external_group]	Map uaa groups to external groups
	--id <id>, map uaa group using group id
	--name <name>, map uaa scope using group name
	--origin <origin>, map uaa scope to external group for this origin. Default
group unmap [group_name] [external_group]	Unmaps an external group from a uaa group
	--origin <origin>, map uaa scope to external group for this origin. Default
member add [name] [users...]	add members to a group
member delete [name] [users...]	remove members from a group
Client Application Registrations	
clients [filter]	List client registrations
	-a   --attributes <names>, output for each user
	--start <start>, show results starting at this index
	--count <count>, number of results to show
client get [id]	Get specific client registration
	-a   --attributes <names>, output for each user
client add [id]	Add client registration
	--name <string>
	--scope <list>
	--authorized_grant_types <list>

	<pre> --authorities &lt;list&gt; --access_token_validity &lt;seconds&gt; --refresh_token_validity &lt;seconds&gt; --redirect_uri &lt;list&gt; --autoapprove &lt;list&gt; --signup_redirect_url &lt;url&gt; --clone &lt;other&gt;, get default settings from other -s   --secret &lt;secret&gt;, client secret -i   --[no-]interactive, interactively verify all values </pre>
client update [id]	Update client registration
	<pre> --name &lt;string&gt; --scope &lt;list&gt; --authorized_grant_types &lt;list&gt; --authorities &lt;list&gt; --access_token_validity &lt;seconds&gt; --refresh_token_validity &lt;seconds&gt; --redirect_uri &lt;list&gt; --autoapprove &lt;list&gt; --signup_redirect_url &lt;url&gt; --del_attrs &lt;attr_names&gt;, list of attributes to delete -i   --[no-]interactive, interactively verify all values </pre>
client delete [id]	Delete client registration
secret set [id]	Set client secret
	<pre> -s   --secret &lt;secret&gt;, client secret </pre>
secret change	Change secret for authenticated client in current context
	<pre> --old_secret &lt;secret&gt;, current secret -s   --secret &lt;secret&gt;, client secret </pre>
CURL	
curl [path]	CURL to a UAA endpoint
	<pre> -X   --request &lt;method&gt;, request method type, defaults to GET -d   --data &lt;data&gt;, data included in request body -H   --header &lt;header&gt;, header to be included in the request -k   --insecure, makes request without verifying SSL certificates </pre>
Global options:	
-h   --[no-]help	display helpful information
-v   --[no-]version	show version
-d   --[no-]debug	display debug information
-t   --[no-]trace	display extra verbose debug information
--config [string file]	file to get/save configuration information or yaml string
-z   --zone <subdomain>	subdomain of zone to manage

## 1.5 More Resources

License: Code is licensed under MIT License.

<https://docs.cloudfoundry.org/credhub/>

<https://github.com/cloudfoundry/uaa>