

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://<uaa-dnsname>: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 <uaa-management-admin-client></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
System Information	
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
Tokens	
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
User Accounts	
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 <list> --access_token_validity <seconds> --refresh_token_validity <seconds> --redirect_uri <list> --autoapprove <list> --signup_redirect_url <url> --clone <other>, get default settings from other -s --secret <secret>, client secret -i --[no-]interactive, interactively verify all values </pre>
client update [id]	Update client registration
	<pre> --name <string> --scope <list> --authorized_grant_types <list> --authorities <list> --access_token_validity <seconds> --refresh_token_validity <seconds> --redirect_uri <list> --autoapprove <list> --signup_redirect_url <url> --del_attrs <attr_names>, 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 <secret>, client secret </pre>
secret change	Change secret for authenticated client in current context
	<pre> --old_secret <secret>, current secret -s --secret <secret>, client secret </pre>
CURL	
curl [path]	CURL to a UAA endpoint
	<pre> -X --request <method>, request method type, defaults to GET -d --data <data>, data included in request body -H --header <header>, 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>