1 Cheatsheet: Cloudfoundry UAA   VMᴡᴀʀᴇ

- 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	`uaac apt-install ruby ruby-dev build-essential rubygems; gem install uaac-cf`
Set a new target	`uaac target https://<uaa-dnsname>:8443 --skip-ssl-validation`
List all context	`uaac contexts`
Log in as a UAA admin	`uaac token client get admin -s <uaa-management-admin-client>` Link: Log in as a UAA Adm
List users	`uaac users`
List all client registrations	`uaac clients`
Add user	`uaac user add alana --emails alana@example.com -p password` Link: Grant PKS Access to a
Add user to group	`uaac member add pks.clusters.admin alana` Link: Grant PKS Access to a User
Get specific user account	`uaac user get alana`
Get user	`uaac user get pks-admin`
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	`credhub login --client-name credhub-admin --client-secret "${admin_secret}" -s "${api_url}" --`

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

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  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 unles
                                 --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. Defaul
  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. Defaul
  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>
```

```
                                          --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
  client update [id]                      Update client registration
                                          --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
  client delete [id]                      Delete client registration
  secret set [id]                         Set client secret
                                          -s | --secret <secret>, client secret
  secret change                           Change secret for authenticated client in current context
                                          --old_secret <secret>, current secret
                                          -s | --secret <secret>, client secret

CURL
  curl [path]                             CURL to a UAA endpoint
                                          -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

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/