CyberArk DAP for PCF - Quick Reference Card

Quick reference card on how to on-board your PCF application in CyberArk DAP and vault your secrets.

1. **Create the service in the space for PCF (Conjur service broker)**

For ALL the PCF spaces where your application is deployed, create a new service instance. This must be done by the space admin:

cf create-service cyberark-conjur community cyberark-dap

2. Engage PAM Cybersecurity Team to onboard your App in CyberArk DAP

Go to Service Now here and submit an intake request to get your app onboarded.

You will have to provide: *Environment (PR/NP), Experience, Subexperience, ApplicationName, Application Owner, list of ALL Foundation/ORG-guid/SPACE-guid where your application is deployed.*

The Org and Space GUIDs may be retrieved from PCF using the `cf` CLI tool. if no application is currently running in the space.

- ***cf org --guid my-org***

8f366b77-d826-4522-8cc6-261bfexample

- ***cf space --guid my-space***

4b02b69c-ba35-4069-b634-ded56example

*App teams can also run the "**cf env APP_NAME**" command to provide the authn_login field from the VCAP services, if their application is running*

3. Engage PAM Cybersecurity Team to vault your secrets in CyberArk

Go to Service Now here and submit an intake request to get your secrets vaulted (do not provide secret values here!)

SecretName, SecretType

4. Submit ARP request for access to the CyberArk SAFE dedicated to your App (only for PROD)

Go to ARP and submit an access request to the CyberArk SAFE that contains your App's secrets. The CyberArk team will provide the access group in step #2.

5. Create the secrets.yml file

Summon requires a yml file in the application's root folder.

The following example of a `secrets.yml` file lists the full path to the required secret in DAP, which will be provided to you by the CyberArk team.

```
dap_user: !var QA-CyberArkVault/PCF/DB_QA_LAN_MariaDB/userVN/username
dap_pass: !var QA-CyberArkVault/PCF/DB_QA_LAN_MariaDB/userVN/password
```

* Lines 1 and 2 specify fully qualified secret IDs. In the context of a PCF environment, the above example could produce the following results:

```
dap_user: AKIAI44QH8DHBEXAMPLE
dap_pass: je7MtGbClwBF/2Zp9Utk/h3yCo8nvbEXA
```

6. Connect to CyberArk to set the value of your secrets

Connect to CyberArk either in PR on in NP and search for your secrets. Once you found them, you can set the value for them.

7. Update your PCF manifest to include the Conjur buildpack and to bind to the Conjur service (from step1)

•Add the instance-name from the previous step to the list of services in the application manifest (if you are using a manifest). The Conjur (DAP) buildpack must also be specified in the manifest (as the first buildpack listed).

Example Manifest:

```
 applications:
- name: dap-hello-world
routes:
-route:conjur-hello-world.apps-np.homedepot.com
path:build/libs/conjur-hello-world-0.0.1-SNAPSHOT.jar
memory: 1G
instances: 1
buildpacks:
-https://github.com/cyberark/cloudfoundry-conjur-buildpack.git
- java_buildpack_offline
services:
- cyberark-dap
```

8. Deploy your application

Push/restage application to retrieve vaulted credentials from DAP: **cf restage APP_NAME**

Support and additional documentation:

- CyberArk Support Portal – up-to-date information on CyberArk & End User Information
- DAP for PCF complete end user guide
- DAP for PCF training slide
- DAP for PCF demo- video
- DAP for PCF Frequently Asked Questions
- #security_secrets_mgmt: Slack channel

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