Updated: Jan 9th, 2017

IBM Bluemix
Development & Certification

Summary decks for a course that covers the A to Z of IBM Bluemix.

For more information visit:
http://www.acloudfan.com

raj@acloudfan.com

1. Security Services
2. Using the SSO Service

PS: Certification practice test questions NOT included in the summary decks

Discounted access to the courses:

https://www.udemy.com/ibm-bluemix/?couponCode=BLUE100

Coupon Code = **BLUE100**

https://www.udemy.com/rest-api/?couponCode=REST100

Coupon Code = **REST100**

PS:

- For latest coupons & courses please visit: http://www.acloudfan.com
- Enter to **WIN Free access** – please visit: http://www.acloudfan.com/win-free-access

raj@acloudfan.com
http://www.acloudfan.com

Security Services

Static Analyzer

- Static code analysis to identify vulnerabilities (Java)
- Should be leveraged during the software development cycle
  - Identifies unsafe data handling and API calls
- How it is used?
  - Create instance of the service
  - Generate *Intermediate Representation (IRX)* of code & upload to analyzer
  - Address vulnerabilities using the report

AppScan Dynamic Analyzer

- Scans a deployed web application for vulnerabilities

Single Sign On Service

- Policy based configuration of single sign on (SSO) implementation
  - Applications need not be aware of identity sources
- Identity sources
  - Enterprise LDAP directory – SAML integration
  - Cloud directory. A user registry hosted on IBM Cloud
  - Social identity sources. Facebook, LinkedIn, Google+

raj@acloudfan.com
http://www.acloudfan.com

Summary

- Static analyzer service used for detecting vulnerabilities in the code
- AppScan Dynamic analyzer identifies vulnerabilities in the deployed app
- SSO service for implementing SSO for applications
  - Enterprise LDAP directory – SAML integration
  - Cloud directory. A user registry hosted on IBM Cloud
  - Social identity sources. Facebook, LinkedIn, Google+

raj@acloudfan.com
http://www.acloudfan.com

Using the SSO Service

Steps to integrate with SSO service (Cloud Dir)

1	Create the SSO service Instance
2	Create a new Identity source - cloud directory + add users
3	**Integrate** the application with the identity source

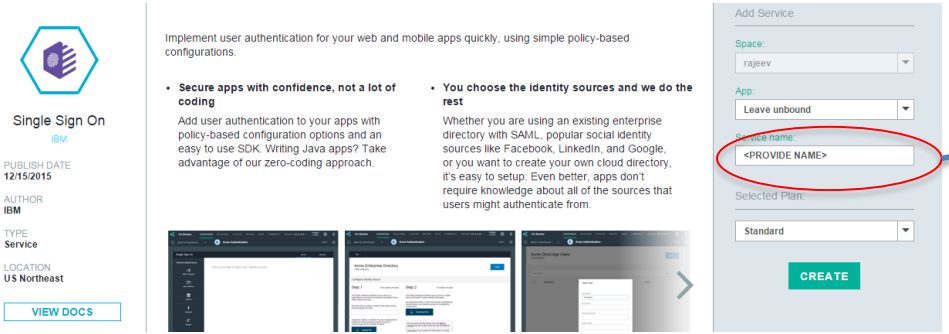
raj@acloudfan.com
http://www.acloudfan.com

1 Create the SSO service Instance

Step#1 From Bluemix service catalog select the SSO service

Single Sign On

Step#2 Provide a name for the service



rocketsso

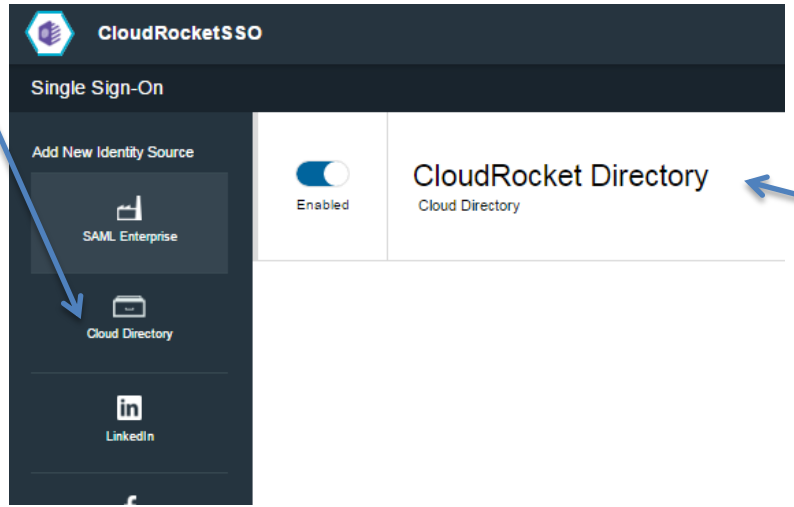
Step#3 Save the service instance

raj@acloudfan.com
http://www.acloudfan.com

2 Create a new Identity source - cloud directory

Step#1 Click on manage

Step#2 Create the provider for Identity Source

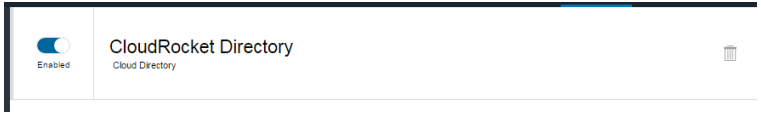


Provide the name

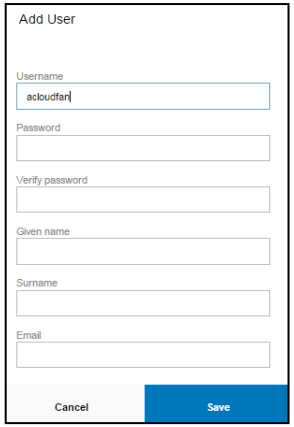
raj@acloudfan.com
http://www.acloudfan.com

2 Add users in the cloud directory

Step#1 Click on *Cloud Directory*

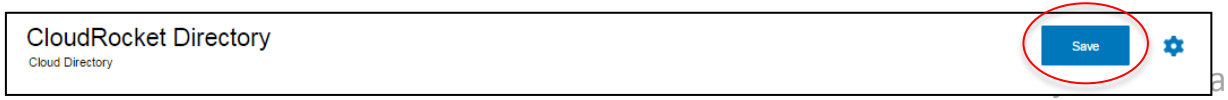


Step#2 Click on ⊕ *to add the users*



Step#3 Provide user information & save

Step#4 Save the cloud directory



3 Integrate application with Identity Sources

Here you associate configure the application:

1. **Select the Identity source** e.g., cloud directory you may have created
2. Set the Return URL – NOT the same as user/password screen URL

raj@acloudfan.com
http://www.acloudfan.com