Installation and Configuration Document

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1 Introduction

1.1 Purpose

This document provides the detailed steps to be followed for installation, configuration and debugging Advana Application in AWS environment.

1.2 Scope

This document covers the following areas.

- Advana Installation
- Configuration / Monitoring

2 Installation

The following section explains detailed steps to be followed for installing Advana

2.1 Pre-requisites

The following are the pre-requisites for installing Advana Application.

- Active AWS Account

2.2 Installation Steps

- Select “Launch Instance” in AWS Console.
- In “AWS Marketplace” search for “Advana” and select the AMI
- Below are the recommended instance types for Advana

Family	Type
General Purpose	M4.2xlarge
Compute Optimized	C4.4xlarge
Memory Optimized	R4.2xlarge

- Its recommended to have 500 GB Root volume
- The following ports need to be opened for Advana

Port	Description	Required	Comments
8080	Web application access point	Mandatory	
389	LDAP access for Advana components	Mandatory	
8161	ActiveMQ access for Advana components	Mandatory	

22	SSH Access to server	Optional	

2.3 Application Start-up

- Once the server is started, all the components are automatically loaded.
- Additional Details:
  - All the components are loaded by invoking /opt/startAdvanaComponents using crontab.
  - It takes around 5 minutes for all components to get started.
  - The status of this process can be monitored in file /var/log/cron

2.4 Application Access

Once the components are started, Advana can be accessed in the web browser.

http://<<ip>>:8080/Advana

- To configure user credentials for the first time:
  - SSH to the server
  - Run the following command in /home/ec2-user
    - sh generatePassword
  - The following output will be displayed

Find below login details

http://<<ip>>:8080/Advana/

Username: XXXXXXXX

Password: XXXXXXXX

  - using the above credentials, you can login to Advana application
- To add/update more users, the below steps have to be performed.
  - SSH to the server
  - Navigate to /opt/advana/AnalyticsLdapManager
  - user.json to be updated with new user details
  - Execute the following lines to add or modify user password

./manageLdapUser user.json

- User.json sample

{

```
  "user_id": "user2",
  "user_display_name": "User Name",
  "mail": "user@advana.com",
  "mobile": "+1-847-888-8777",
  "password": "12345"
}
```


- Once the user is added to ldap, the user need to be mapped to Advana Application
  - Login to Advana using demo1/demo1
  - Click on user logo on the right side of the screen. Select settings from it.
  - Click Users and select Add new user
  - In Authentication Tool user name, enter the user name used for creating user in ldap.
  - Enter other details and press save.
  - The new user should be able to login to the application.

3 Monitoring

3.1 Troubleshooting

- If the application is not accessible, the components can be stopped and started using the following script

Stop Script:

/opt/stopAdvanaComponents

Start Script:

/opt/startAdvanaComponents

4 Support

4.1 Contact Information

Our support team can be contacted using the following channels

Email: Advana.support@plexa.io

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