OBO Deployment Steps

*Template: DAWN\_DOC\_1.0*

**Liberty Global**

**CAO**

**Version:**

**Status:**

**V 1.0: 07 June 2016**

# Document Management

## Contributors

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## Abbreviations

|  |  |
| --- | --- |
| ACS | Auto Configuration Server |
| AMS | Audience Measurement System |
| BOA | Back Office Automation |
| CPE | Customer Premises Equipment |
| JSON | JavaScript Object Notation |
| LAN | Local Area Network |
| MAP | Mediaware Application Protocol |
| MAPNG | Metadata Alliance Platform Next Generation |
| MES | Metadata Enrichment Service |
| OBO | One Back Office |
| RENG | Recommendations Engine |
| WAN | Wide Area Network |
| XML | eXtensible Markup Language |

## Definitions

|  |  |
| --- | --- |
| CHEF | Configuration Management Tool |

# Document Overview

## Objective

States the objective of this document.

## Scope

States the scope of this document.

## Reference Material

Lists any reference materials used in this document.

# Introduction

## OBO AWS POC Overview

Describes high level description of the AWS POC for OBO deployment.

# OBO Instance Infrastructure Deployment

## Infrastructure and Platform

Contains current infrastructure and platform setup.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Vendor | Component | Server | Instance Name | CPU | Memory (GB) | Storage (GB) | OS | Owner |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

Table 4.1‑1 Infrastructure Setup

## Networking and Security

Contains current networking and security setup.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Server Name | vNIC | Security Layer | Security Group | Mgmt. IP | Mgmt. Netmask | Mgmt. Gateway | Prod. IP | Prod. Netmask | Prod. Gateway | Load Balanced |
|  |  |  |  |  |  |  |  |  |  |  |
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Table 4.2‑1 Networking Setup

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Security Group** | Inbound | | | | Outbound | | | |
| **Type** | **Protocol** | **Port** | **Source** | **Type** | **Protocol** | **Port** | **Destination** |
|  |  |  |  |  |  |  |  |  |
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Table 4.2‑2 Security Setup

## Deployment Scripts

List of scripts used to automatically deploy and configure virtual servers in AWS.

|  |  |  |  |
| --- | --- | --- | --- |
| No | Name | Task | Input File |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |

Table 4.3‑1 List of Deployment Scripts

## Deployment Steps

List of steps used to deploy the infrastructure in AWS.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Step ID | Name | Description | Used Script | Expected Result |
|  |  |  |  |  |
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Table 4.4‑1 Infrastructure Deployment Steps

## Infrastructure Verification

List of verification tasks need to be done to confirm a correctly configured AWS infrastructure and networking setup for each application.

**Prerequisites:**

**Methods:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Name** | **Description** | **Steps** | **Expected Results** |
|  |  |  |  |  |
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Table 4.5‑1 Networking and Infrastructure Verification

# OBO Instance Application Deployment

## Orchestrator Configuration Files

List of configuration and metadata files required to deploy and configure applications.

### Cookbooks

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Description | Version | Dependency |
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Table 5.1‑1 Cookbooks Details

### Recipes

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| --- | --- | --- |
| Name | Cookbook | Description |
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Table 5.1‑2 Recipes Details

### Attributes

|  |  |  |
| --- | --- | --- |
| **Name** | **Cookbook** | **Value** |
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Table 5.1‑3 Attributes Details

### Files

|  |  |  |
| --- | --- | --- |
| **Name** | **Cookbook** | **Description** |
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Table 5.1‑4 Files Details

### Templates

|  |  |  |
| --- | --- | --- |
| **Name** | **Cookbook** | **Description** |
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Table 5.1‑5 Templates Details

### Roles

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Cookbook** | **Run-list** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Table 5.1‑6 Roles Details

### Environments

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Cookbook** | **Version** |
|  |  |  |  |
|  |  |  |  |

Table 5.1‑7 Environments Details

## Deployment Steps

### Liberty Global

#### MAP

**Inputs:**

**Prerequisites:**

**Installation Steps:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Step | Description | Scope | Expected Result |
|  |  |  |  |  |
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Table 5.2‑1 MAP Installation Steps

**Post Installation actions:**

**Configuration Steps:**

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Step | Description | Expected Result |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
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Table 5.2‑2 MAP Configuration Steps

**Activity/Sequence diagram:**

#### MES

**Inputs:**

**Prerequisites:**

**Installation Steps:**

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Step | Description | Expected Result |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
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|  |  |  |  |
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Table 5.2‑3 MES Installation Steps

**Post Installation actions:**

**Configuration Steps:**

|  |  |  |  |
| --- | --- | --- | --- |
| Step ID | Name | Description | Expected Result |
|  |  |  |  |
|  |  |  |  |
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|  |  |  |  |
|  |  |  |  |
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Table 5.2‑4 MES Configuration Steps

**Activity/Sequence diagram:**

### SeaChange

#### Stagis

**Inputs:**

**Prerequisites:**

**Installation Steps:**

|  |  |  |  |
| --- | --- | --- | --- |
| Step ID | Name | Description | Expected Result |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
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Table 5.2‑5 Stagis Installation Steps

**Post Installation actions:**

**Configuration Steps:**

|  |  |  |  |
| --- | --- | --- | --- |
| Step ID | Name | Description | Expected Result |
|  |  |  |  |
|  |  |  |  |
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Table 5.2‑6 Stagis Configuration Steps

**Activity/Sequence diagram:**

#### Traxis

**Inputs:**

**Prerequisites:**

**Installation Steps:**

|  |  |  |  |
| --- | --- | --- | --- |
| Step ID | Name | Description | Expected Result |
|  |  |  |  |
|  |  |  |  |
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Table 5.2‑7 Traxis Installation Steps

**Post Installation actions:**

**Configuration Steps:**

|  |  |  |  |
| --- | --- | --- | --- |
| Step ID | Name | Description | Expected Result |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Table 5.2‑8 Traxis Configuration Steps

**Activity/Sequence diagram:**

#### Spectris

**Inputs:**

**Prerequisites:**

**Installation Steps:**

|  |  |  |  |
| --- | --- | --- | --- |
| Step ID | Name | Description | Expected Result |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
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Table 5.2‑9 Spectris Installation Steps

**Post Installation actions:**

**Configuration Steps:**

|  |  |  |  |
| --- | --- | --- | --- |
| Step ID | Name | Description | Expected Result |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Table 5.2‑10 Spectris Configuration Steps

**Activity/Sequence diagram:**

### Axiros

#### ACS

**Inputs:**

**Prerequisites:**

**Installation Steps:**

|  |  |  |  |
| --- | --- | --- | --- |
| Step ID | Name | Description | Expected Result |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Table 5.2‑11 ACS Installation Steps

**Post Installation actions:**

**Configuration Steps:**

|  |  |  |  |
| --- | --- | --- | --- |
| Step ID | Name | Description | Expected Result |
|  |  |  |  |
|  |  |  |  |
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|  |  |  |  |
|  |  |  |  |
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Table 5.2‑12 ACS Configuration Steps

**Activity/Sequence diagram:**

#### AMS

**Inputs:**

**Prerequisites:**

**Installation Steps:**

|  |  |  |  |
| --- | --- | --- | --- |
| Step ID | Name | Description | Expected Result |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
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Table 5.2‑13 AMS Installation Steps

**Post Installation actions:**

**Configuration Steps:**

|  |  |  |  |
| --- | --- | --- | --- |
| Step ID | Name | Description | Expected Result |
|  |  |  |  |
|  |  |  |  |
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Table 5.2‑14 AMS Configuration Steps

**Activity/Sequence diagram:**

### Think Analytics

#### RENG

**Inputs:**

**Prerequisites:**

**Installation Steps:**

|  |  |  |  |
| --- | --- | --- | --- |
| Step ID | Name | Description | Expected Result |
|  |  |  |  |
|  |  |  |  |
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Table 5.2‑15 RENG Installation Steps

**Post Installation actions:**

**Configuration Steps:**

|  |  |  |  |
| --- | --- | --- | --- |
| Step ID | Name | Description | Expected Result |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
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Table 5.2‑16 RENG Configuration Steps

**Activity/Sequence diagram:**

#### RENG Reporting

**Inputs:**

**Prerequisites:**

**Installation Steps:**

|  |  |  |  |
| --- | --- | --- | --- |
| Step ID | Name | Description | Expected Result |
|  |  |  |  |
|  |  |  |  |
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Table 5.2‑17 RENG Reporting Installation Steps

**Post Installation actions:**

**Configuration Steps:**

|  |  |  |  |
| --- | --- | --- | --- |
| Step ID | Name | Description | Expected Result |
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Table 5.2‑18 RENG Reporting Configuration Steps

**Activity/Sequence diagram:**

## Deployment Verification

List of verification tasks need to be done to confirm functional deployed and configured applications.

**Prerequisites:**

**Methods:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Name** | **Description** | **Steps** | **Expected Results** |
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Table 5.3‑1 Deployment Verification

# E2E Infrastructure Verification

List of verification tasks need to be done to confirm a working end-to-end OBO instance deployment (infrastructure and application).

**Prerequisites:**

**Methods:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Name** | **Description** | **Steps** | **Expected Results** |
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Table 5.3‑1 E2E Infrastructure Verification

# Deployment Steps Review

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| --- | --- | --- | --- |
| **Module** | **Step ID** | **Identified Areas for Improvement** | **Potential Action Items** |
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Table 5.3‑1 Key Areas for Improvement and Potential Action Items

# Lesson Learned

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Topic** | **Notes** | **Follow-up Actions** |
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Table 5.3‑1 Identified Lesson Learned Points

# Appendix