OBO Application LLD

*Template: DAWN\_DOC\_1.0*

**Liberty Global**

**CAO**

**Version:**

**Status:**

**V 1.0: 07 July 2016**

# Document Management

## Contributors

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## Version History

| Version | Date | Comments |
| --- | --- | --- |
| 0.1 | 07 July 2016 | Initial strawman created. |
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## Abbreviations

|  |  |
| --- | --- |
| ACS | Auto Configuration Server |
| AMS | Audience Measurement System |
| AWS | Amazon Web Service |
| 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

|  |  |  |  |
| --- | --- | --- | --- |
| No | Name | Version | Description |
| 1 | OBO\_DeploymentGuideDraft\_V\_1.0 | 1.0 | Document that describes standards, guidelines and constraints during the OBO instance deployment process. |
| 2 | Arch Analysis | 9c |  |

# Introduction

## High Level Description

Describes high level description of the deployment steps.

## Components

List of components and their corresponding deployment types.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Vendor | Component | Module | Description | Owner | Engineer | Deployment Type (Automatic/Manual) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 3.2‑1 List of Components

# Application Configuration

## SeaChange

### Spectris

#### Spectris DB

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.1‑1 Spectris DB Configuration

#### Spectris Reporting

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.1‑2 Spectris Reporting Configuration

#### Spectris SRM Probe

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.1‑3 Spectris SRM Probe Configuration

### Traxis

#### Cassandra

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.1‑4 Cassandra Configuration

#### Traxis BE

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.1‑5 Traxis BE Configuration

#### Traxis Log Server

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.1‑6 Traxis Log Server Configuration

#### Traxis SRM

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.1‑7 Traxis SRM Configuration

#### Traxis Web

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.1‑8 Traxis Web Configuration

### Stagis

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.1‑9 Stagis Configuration

### Witness Server

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.1‑10 Witness Server Configuration

### Prodis

#### Prodis BI

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.1‑11 Prodis BI Configuration

#### Prodis Client

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.1‑12 Prodis Client Configuration

#### Prodis CRM

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.1‑13 Prodis CRM Configuration

#### Prodis PA

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.1‑14 Prodis PA Configuration

#### Prodis Rep

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.1‑15 Prodis Rep Configuration

## LGI

### Linc

#### Linc BE

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.2‑1 MAP Configuration

#### Linc Mgmt

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.2‑2 MES Configuration

#### Linc DB

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.2‑3 Elasticsearch Configuration

#### Linc User VIP

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.2‑4 Nexus Server Repository Configuration

### MAPNG

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.2‑5 MAPNG repository Configuration

#### Chef Server

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.2‑6 Chef Server Configuration

#### Graphite

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.2‑7 Graphite Configuration

#### MAPNG Datagrid

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.2‑8 MAPNG Datagrid Configuration

#### MAPNG Fuse

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.2‑9 MAPNG Fuse Configuration

#### Nexus server repository

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.2‑10 Nexus server repository Configuration

### FTP Cluster

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.2‑11 FTP Cluster Configuration

## Axiros

### AMS Axtract

#### AMS Axtract FE

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.3‑1 AMS Axtract FE Configuration

#### AMS Axtract BE

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.3‑2 AMS Axtract BE Configuration

### ACS Axess

#### ACS Mongo DB

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.3‑3 ACS Mongo DB Configuration

#### ACS MySQL

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.3‑4 ACS MySQL Configuration

#### ACS Northbound

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.3‑5 ACS Northbound Configuration

#### ACS Rrd DB

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.3‑6 ACS Rrd DB Configuration

#### ACS Southbound

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.3‑7 ACS Southbound Configuration

### Notification Service

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.3‑8 Notification Service Configuration

### XMPP Server

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.3‑9 XMPP Server Configuration

## Think Analytics

### RENG

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.4‑1 RENG Configuration

### RENG DB

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.4‑2 RENG DB Configuration

### RENG Reporting

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Configuration | Type | Description | Parameters | Steps | Location | Deployment Steps Reference |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Table 4.4‑3 RENG Reporting Configuration