**OCI-Classic to OCI Migration**

**Joint Execution Plan**

Prepared for: **Ancestry.com**

**By**

**Shukie Ganguly & Sacheh Gounden**

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Changes | Name |
| 1.0 | 2/28/16 | Initial Content | Shukie Ganguly |
| 2.0 | 2/11/2019 | Updates | Shukie Ganguly |
| 3.0 | 2/21/2019 | Future State Architecture Updates | Shukie Ganguly |
| 4.0 | 4/30/2019 | Added IMPORTANT – MIGRATION ARTIFACTS Section | Shukie Ganguly & Sacheh Gounden |

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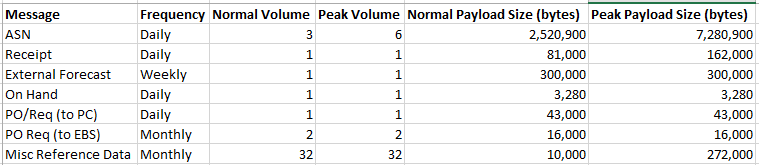
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# Overview

Ancestry.com LLC is a privately held online company based in Lehi, Utah. The largest for-profit genealogy company in the world, it operates a network of genealogical, historical record and genetic genealogy websites. As of November 2018, the company claimed to provide access to approximately 10 billion historical records, to have 3 million paying subscribers across its core Ancestry websites and more than 2 million DNA samples in the AncestryDNA database. Ancestry’s paying customers have created more than 80 million family trees on the Ancestry flagship site and its affiliated international websites. They have sold more than 18 million DNA kits to customers till recorded date (2018). Ancestry offers a suite of family history products including Archives, Fold3, Newspapers.com and AncestryDNA sold by its subsidiary, Ancestry.com DNA, LLC, and the AncestryHealth product, offered by its subsidiary AncestryHealth.com, LLC.

* Ancestry.com is currently going through their highest ever growth phase since the company’s inception. They have recorded year over year ‘exponential’ growth since 2015.
* They had purchased Integration Cloud Service and Managed File Transfer Cloud Service as part of their 2017 Global EBS expansion and Planning Central implementation.
  + Oracle Cloud Products in this solution are as follows:-
    - Oracle Planning Central (SaaS)
    - Other PaaS for SaaS components enabling Planning Central are as follows:-
      * Oracle Integration Cloud
      * Oracle Managed File Transfer Cloud Service
* Ever since the purchase and provisioning of Integration Cloud Service based on Non-Metered Subscription licensing the customer has had consistent issues as follows.
  + Product Performance
  + Basic Functionality limitations
  + Oracle Support organization’s responses or lack thereof to investigate and accurately assess the situation and provide guidance and recommendations to troubleshoot issues.
  + A continual and steady increase in the number of SRs
  + Severity 2SR 3-17880288751 : Security Policy "FTP Public Key Authentication" not working for FTP adapter
  + Severity 2SR 3-17882775058 : Oracle Integration Cloud Service - System outage.
  + Severity 2SR 3-17867068301 : MFT Error while starting the hosted server SFTP 7522
  + Severity 1Severity 1SR 3-18212515281 : PathBuilderException: unable to find valid certification path
* The customer has established a regular practice to RESTART the ICS Agent every Sunday so as to ascertain that the Agent does not go down and cause intermittent issues during message processing.
* The following message/transactions payload and throughput details during June/July/August 2018 as a frame of reference towards the impact of the effectiveness of Integration Cloud Service running in OCI-Classic



# IMPORTANT – MIGRATION ARTIFACTS

* This OCI-C to OCI migration is for the following SKUs and Cloud Product Items which are part of a larger SaaS deal.

|  |  |  |
| --- | --- | --- |
| * The Following Customer Cloud Information for your reference.   **Cloud Information** | | |
| **SPM Plan Number** | : | 10483615 |
| **Data Center Region** | : | US001 |
| **Buyer Email** | : | scronje@ancestry.com |
| **Service Admin Email** | : | rgrant@ancestry.com |
| **M2M/Term** | : | TERM |
| **T4C (Y/N)** | : | N |
| **Auto-Renewal (Y/N)** | : | N |
| **COTERM** | : | Y |
|  |  |  |
| [**Permalink:**](javascript:popupFieldHelp(%20document.getElementById(%20'P1_PERMALINK_HELP'%20).value,%20'310810862083994')) | : | [Order 9141684](https://global-apex.oraclecorp.com/apex/f?p=123:1:::NO:RP,1:P1_SEARCH_ORDER_HEADER_ID,P1_SEARCH_ORDER_NUMBER:60056190,9141684) |

* Sales Order #  9141684 (Booked 02-FEB-18) was a replacement for Sales Order # 9091992 (Booked 01-JUN-17 ). However, within the larger PaaS deal there are a few SKUs that are not listed in the above template. Many SKUs MAY be unused and a few may NOT have a migration Path forward. For e.g. Oracle Java Cloud Service - SaaS Extension - S1 - Hosted Environment or Oracle Database Cloud Multitenant Service - S5 - Hosted Environment)
* **PLEASE MIGRATE THE FOLLOWING SKUs to UCC**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8.1...1 | B85305 | Oracle Integration Cloud Service - Non-Metered - Hosted Connections | 0 | 01-JUN-17 / 31-MAY-22 | - | 31-MAY-22 | 21237766 | 1500603 | ONBOARDING | PROVISIONED | NA | No action required | 8 | SaaS | 8098694 | 05-APR-18 |

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| 11.1...1 | B85282 | Oracle Managed File Transfer Cloud Service - Non-metered - Hosted Environment | 0 | 01-JUN-17 / 31-MAY-22 | - | 31-MAY-22 | 21237766 | 1500606 | ONBOARDING | PROVISIONED | NA | No action required | 1 | SaaS | - | - |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12.1...1 | B83543 | Oracle Database Backup Service - Non-metered - TB of Storage Capacity | 0 | 01-JUN-17 / 31-MAY-22 | - | 31-MAY-22 | 21237766 | 1500607 | ONBOARDING | PROVISIONED | NA | No action required | 1 | SaaS | 8087797 | 28-FEB-18 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13.1...1 | B83456 | Oracle Cloud Infrastructure - Object Storage Classic - Non-metered - TB of Storage Capacity | 0 | 01-JUN-17 / 31-MAY-22 | - | 31-MAY-22 | 21237766 | 1500608 | ONBOARDING | PROVISIONED | NA | No action required | 1 | SaaS | - | - |

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| 14.1...1 | B83455 | Oracle Cloud Infrastructure - Block Storage Classic - Non-metered - TB of Storage Capacity | 0 | 01-JUN-17 / 31-MAY-22 | - | 31-MAY-22 | 21237766 | 1500609 | ONBOARDING | PROVISIONED | NA | No action required | 1 | SaaS | 8126067 | 07-JUN-18 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15.1...1 | B83555 | Oracle Java Cloud Service - Suite - High Memory - Non-metered - Hosted Environment | 0 | 01-JUN-17 / 31-MAY-22 | - | 31-MAY-22 | 21237766 | 1500610 | ONBOARDING | PROVISIONED | NA | No action required | 1 | SaaS | - | - |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16.1...1 | B83539 | Oracle Database Cloud Service - Standard Edition - High Memory - Non-metered - Hosted Environment | 0 | 01-JUN-17 / 31-MAY-22 | - | 31-MAY-22 | 21237766 | 1500611 | ONBOARDING | PROVISIONED | NA | No action required | 1 | SaaS | - | - |

# Assisted Migrations Key Tasks

* Ancestry Cloud OD (Non-Metered) attached
* Ancestry OIC BOM spreadsheet attached.
* The current state architecture is below
* The future state (intermittent and FINAL) architecture detailed in this document.

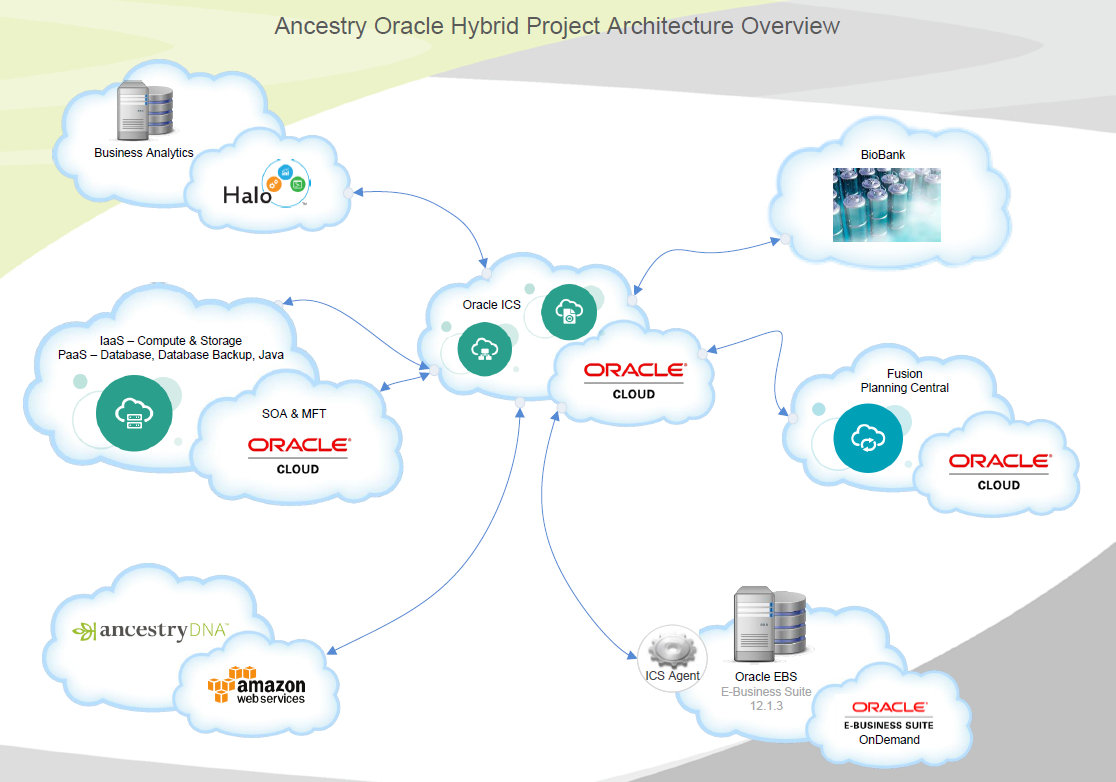
Please note that when the customer purchased ICS (Integration Cloud Service) in May, 2017, the ICS license model was ONLY based on connections. There was no editions (Standard or Enterprise). It was priced based on Connections.

The Migration to OIC (Oracle Integration Cloud) currently will require that the edition of OIC be ENTEPRISE because of their need to integrate with On-Premise applications (EBS).

# Current State Workloads/Use Cases

|  |  |  |
| --- | --- | --- |
| **Workload/Use Case** | **DEV/Test, PROD** | **OCI-C Cloud Services(s)** |
| Integration Use Case. From Cloud to Cloud and Cloud to Ground.   * Cloud (SaaS) – Fusion Planning Central * Ground (on-premise) EBS v12.1.3 * Ground (on-premise) Oracle Database v11.2.0.4 and 12c | DEV, Test and PROD | Integration Cloud Service (ICS) |
|  |  |  |
|  |  |  |
|  |  |  |

# Current State OCI-C Architecture



# Current State OCI-C Network Architecture

Integration Cloud Service (on OCI-C) is a SaaS like service provisioned out of Oracle Internal Compute. The details on internal Service such as VM, Networks and Load Balancers are completely non accessible and non-visible to the customer to provide a SaaS like experience.

# OCI Bill of Material (BOM)

This section to be updated with OCI Bill of Material (BOM). Include non-Production, Production and DR if applicable.

**Production**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cloud Service** | **Type** | **Metric** | **SKU** | **Quantity** | **Duration in Months** | **List Price** | **Discount** | **Selling Price** | **Price/Month** | **Net Fee for 1 Year** |
| Oracle Integration Cloud | Monthly Flex | Message Packs |  | 4 | 24 |  |  |  |  |  |

**Non-Production**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cloud Service** | **Type** | **Metric** | **SKU** | **Quantity** | **Duration in Months** | **List Price** | **Discount** | **Selling Price** | **Price/Month** | **Net Fee for 1 Year** |
| Oracle Integration Cloud | Monthly Flex | Message Packs |  | 2 | 24 |  |  |  |  |  |

# Oracle Integration Cloud on OCI Solution Architecture (INTEMITTENT)

The customer (Ancestry) is currently in the process of Migrating their EBS footprint from on-premise to OCI as a Lift and Shift. The Integration Cloud Solution architecture therefore has an intermittent step when OIC (on OCI) will continue to integrate and extend their EBS on-premise workload.

The following is an “intermittent” OIC on OCI solution Architecture.



Financials

HR

Payroll



**Oracle Integration Cloud**



**OMCS**

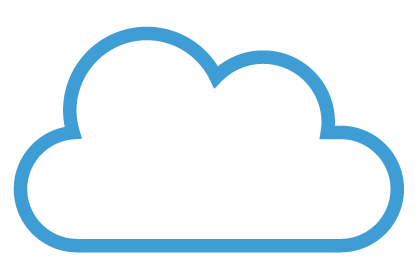
**AGENT**

ANCESTRY– Integration Architecture “Intermittent Future State”

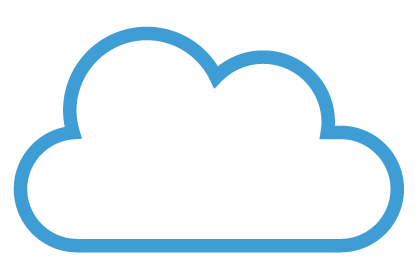
E-Business Suite OnDemand



**FUSION Planning Central**



**Halo**



**BIO Bank**

9.

# OCI Network Architecture

This section needs to be updated with OCI Network Architecture.

# Oracle Integration Cloud on OCI Solution Architecture (FUTURE STATE)

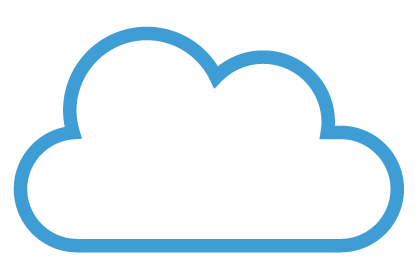


**Oracle Integration Cloud**

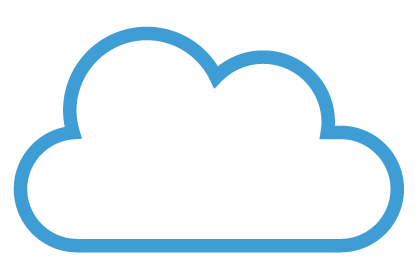
ANCESTRY– Integration Architecture “Future State”



**FUSION Planning Central**



**Halo**



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***After EBS Lift and Shift on OCI***



Oracle Cloud Infrastructure

# Ancestry Integration Flows leveraging Oracle Integration Cloud on OCI

The following are planned Integration Flows that will use Oracle Integration Cloud on OCI

1. EBS Planning Data to Planning Central
   1. 30 – 50 entities
   2. Combination of reference and transactional
2. Halo to Planning Central
   1. Forecast
3. Planning Central to EBS
   1. Released Planned Orders => Requisitions
4. eDNA to EBS
   1. Events (pre-integrated to EBS by Ancestry)