CROCS

(<http://www.crocs.com/>)

Oracle SOA Cloud Service Lift and Shift

POC Use Case Scenarios

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# Introduction

This is an effort to document the plan and detail of the execution of a SOA Cloud Service Lift and Shift Proof of Concept (POC) use cases.

# CROCS “migration to cloud” Business Requirement

# CROCS (<http://www.crocs.com/>) currently uses and runs SOA Suite v11.1.1.7.0 with Oracle Database as the underlying metadata store. The SOA integration backbone is integral to CROCS’ business maintaining integration with the following applications among many.

# SAP (system of record)

# Manhattan (Warehouse Management System)

# EIS – Enterprise Integration Share

Can this include routing to B2B back to EIS Filesystem channel?

We are investigating options for CROCS to do a SOA Lift and Shift to Oracle SOA Cloud Service. The following section on POC use cases are critical to validating the SOA CS Lift & Shift for CROCS.

# Proof of Concept Use Cases

# EIS (Enterprise Integration Share) integration

EIS is a local (on-premise) integration share drive; otherwise attributed to NAS. The EIS environment provides a local and secure storage for file sharing, management and movement within the CROCS IT environment. EIS also provides a FTP interface for any/all content and file communications and sharing outside CROCS IT environment.

# Pre-requisites

CROCS (Don McIntosh) will share and provide additional, required details for EIS integration.

# Success Criteria

* SOA CS can successfully integrate with EIS
* SOA CS can successfully share content or file from the Cloud environment to EIS environment
  + Drop a file into EIS environment’s local folder
  + Pick up a file from EIS environment’s local folder

# Failure Scenario

* SOA CS unable to integrate with EIS

# JMS integration into Manhattan (Warehouse Management App)

Manhattan (<http://www.manh.com/>) is a JMS based warehouse management application currently in use on-premise at CROCS. Manhattan provides a JMS interface for bi-directional integration. The ability to send/receive and publish/subscribe messages into Manhattan from a Cloud environment is an important criteria.

# Pre-Requisites

CROCS would provide Oracle Team with the details on Manhattan’s JMS interface and provides requisite information and background regarding underlying JMS libraries used by Manhattan.

The JMS implementation underlying Manhattan Warehouse application is based on IBM MQ. Additional and required details about IBM Queue Manager.

# Success Criteria

* SOA CS successfully integrates with JMS interface of Manhattan
* SOA CS can send / receive messages from SOA CS to Manhattan’s queue (Test queues would be created and made available for POC) and / or
* SOA CS can publish / subscribe messages from SOA CS to Manhattan’s topics (Test topics would be created and made available for POC)

# Failure Scenario

* SOA CS is unable to integrate with JMS interface of Manhattan application.

# SAP (on-premise) Integration using SOACS SAP Adapter

SAP is an important part of CROCS’ business applications and the ability to integrate with SAP is an integral part of the SOA CS Lift and Shift effort.

# Pre-Requisites

* A clearly defined use case scenario to show the integration capability from SOA CS to SAP (on-premise)
* In the absence of a well-defined use case the ability to integrate from SOA CS to on-premise SAP instance at CROCS datacenter will be considered as the use case.
* CROCS Team would provide Oracle Team with the details on SAP instance including but not limited to instance location, access credentials and user enablement within SAP to test the integration.

Discussions with Don McIntosh around the clarity of a successful integration between SOA CS and SAP on-premise is currently in progress.

Ability to call simple SYSTATUS IDOC, ability to get IDOC/BAPI listing

# Success Criteria

* SOA CS successfully integrates with SAP instance running in CROCS’ datacenter.

# Failure Scenario

* SOA CS unable to integrate with SAP using SOACS SAP adapter.

# Managed File Transfer (MFTCS) use case

File Transfer is a very important aspect of all things integration within CROCS. A successful file transfer mechanism with minimal manual intervention or processes would be a highly desirable criteria of this POC.

# Pre-Requisites

* A local File Transfer client to connect, integrate and share files with MFTCS.

# Success Criteria

* MFTCS successfully transfers (put and receive) Files of CROCS choosing (size, structure, name, encryption, etc.) across Oracle Cloud and CROCS environment.

# Failure Scenario

* MFTCS unable to move, share and/or transfer files across Cloud and On-premise.

# Recommendations & Reconciliation Scenarios