Release Notes

Product Name: RealAnalytics

Track/Build Number: UMG 2.4.1

Project Type: Major Change

|  |  |  |
| --- | --- | --- |
| **Document Classification** | Internal Use Only | |
| **Department Name** | Consumer Analytics | |
| **Document Number** | **Version** | **Document Owner** |
| UMG- Release Notes 1.0 | 1.0 | Udaya Kiran SS |
| **Reviewed on** | **Review Frequency** | **Effective Date** |
| 12-03-2014 | As needed | 12-11-2014 |
| **Prepared by** | **Reviewed by** | **Approved by** |
| Anil Kamath | Udaya Kiran SS | Wasanti Peethambaram |

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**Note: All the sections and fields in this document should be updated**

# Summary

This release note is being prepared to move 2.4.1 into PROD environment, as a precursor to moving to production environment.

# Description of the change

Please provide following details.

Business features released as part of 2.4.1

|  |  |  |
| --- | --- | --- |
| Category | Features | Jira Ids |
| Improved Publishing Process | Streamlined publishing process. Improved TID copy functionality and standardized date-time representation  Provide Excel I/O definition capability | UMG-3111,UMG-3058,UMG-2843,UMG-2673,UMG-3520, UMG-3422, UMG-3336, UMG-3337, UMG-3334, UMG-3332 |
| Enhance Runtime | Prioritization of tenant input over Syndicate data  input, dropping null fields from model input | UMG-3140,UMG-3147 |
| Improve Supportability | Model Statistics and resolved test-bed issue around array of strings | UMG-3128,UMG-2721 |
| New portal for viewing transactions and reports | Portal to view transactions, download transaction report, view transaction data in JSON and key-value pair format, and download the same. | UMG-3228,UMG-3050,UMG-3045,UMG-3037,UMG-2924,UMG-2834,UMG-2833,UMG-2832,UMG-2831,UMG-2320,UMG-2847 |

Technical Stories released as part of 2.4.1

|  |  |
| --- | --- |
| **JIRA ID** | **Summary** |
| UMG-2403 | Utility to move existing blobs to MongoDB |
| UMG-2706 | User Interface and supporting controller layer developement. |
| UMG-2707 | Build a central piece (Orchestrator) for guiding the streamline creation of model. |
| UMG-2708 | Create a Rollback system for clearing failed/unwanted models |
| UMG-2709 | Create a error management utility which reacts on the errors registered. |
| UMG-2718 | Database Authentication for UMG-ADMIN Login |
| UMG-2911 | Memory Usage on Modelet Server |
| UMG-2926 | NFS Server - Failover |
| UMG-2928 | Modelet Server - Failover |
| UMG-3105 | Automation - Scope Increase |
| UMG-3242 | Migration from SQL to Mongo |

* Release Requester name: Product Management
* Urgency: High
* Release Risk Analysis: Medium.
  1. No major analytics releases clashing with the release
  2. Changes limited to admin capabilities
* Affected Users: **Analytics Team.**
* Unaffected User: **LRM/Equator.**

# Release Management Approvals

Please provide Release Management Team approvals

|  |  |
| --- | --- |
| Expected Release Date |  |
| Release # |  |
| Product |  |
| Environment: | Production |
| Project Manager to confirm if final package is uploaded to SVN |  |
| Is Release communication sent to BU |  |
| Is BU Approval procured and attached? |  |
| IS IT head Approval procured and attached? |  |
| Is DMC approval procured and attached? |  |
| Any additional approvals |  |

# Environment Information

Please provide Production environment specific details so that Release can be installed.

|  |  |
| --- | --- |
| Expected Release Date |  |
| Release # |  |
| Product |  |
| Environment: | Production |
| Release Implementation Duration |  |
| Production Server Names/ IPs |  |
| Impact |  |
| Is the Change replicated in disaster recovery Environment to sync production and disaster recovery? |  |

# Data Fix Information (Tenant On boarding)

|  |  |
| --- | --- |
| Is Data fix involved |  |
| Is Data fix a SQL Statement/SQL script |  |
| QA sign off for above Data Fix(prod Data) |  |
| Does Data fix disable any triggers |  |
| Does Data fix disable any audit trails |  |
| List the fields and tables the data fix updates |  |
| Code reviewed by (Developer Name) |  |
| Code review approved by (Dev Manager) |  |
| Approved by Development Sr. Manager (Name) |  |
| Code reviewed by (QE Engineer Name) |  |
| Code review approved by (QE Manager) |  |
| Data Fix signed off by BU head |  |

# Syndicate Data Information

|  |  |
| --- | --- |
| Is Syndicate data update involved? |  |
| QA sign off for Syndicate data update (prod Data) |  |
| Pre-prod sign off for Syndicate data update (prod Data) |  |
| Approved by Analytics team Manager |  |
| Syndicate data in UAT/Preprod reviewed by (Analytics Team member name) |  |

# Model Fix Information

|  |  |
| --- | --- |
| Is Model fix involved |  |
| Is Model fix a SQL Statement/SQL script |  |
| QA sign off for above Model Fix(prod Data) |  |
| Code reviewed by (Developer Name) |  |
| Code review approved by (Dev Manager) |  |
| Approved by Development Sr. Manager (Name) |  |
| Code reviewed by (QE Engineer Name) |  |
| Code review approved by (QE Manager) |  |
| Model Fix signed off by BU head |  |

# Implementation

Checklist for Syndicate Data and Model Deployment Test Results from UAT

* UAT –Model Deployment document with following information:
* Questionnaire will be provided.
* This document should detail Model Upload Steps, Syndicate Data setup(if needed)
* Step by step instructions along with screenshots of Syndicate data setup, Model upload testing and publishing.
* Results of sample test run performed in UAT along with Screenshots.
* Sample Test Cases that can be executed in Production as Sanity Check.
* Clean up script to clean any transactions created in production due to Sanity Check.

**NOTE:**

UAT Team responsibility to provide a clean Version Zip file which includes required details like Model Jar, IO definition, mappings and Syndicate Queries.

IF Syndicate Data Update is needed then Syndicate that should be provided in CSV format.

# Pre-Implementation

Please provide pre-Implementation steps as per the Release depending on Release type (Database scripts only/Application Deployment only/ both Database and Application update)

|  |  |  |  |
| --- | --- | --- | --- |
| SNo. | Steps (in order) | Description | Remarks |
| 1 | Database Backup. | Backup umg\_admin and Ocwen databases. |  |
| 1. 2 | Models Backup |  |  |
| 3 | Application files Backup | Backup following artifacts   1. umg-admin war file 2. umg-runtime war file 3. me2 war file 4. modelet.one-jar.jar jar file |  |
| 4 | Log Files Backup |  |  |
| 5 | R Installation | Please install R engine in all modelet servers | WIKI Page Link: |
| 6 | RF Dependencies | Adding Tenant role in RF production set up | ROLENAME: **ROLE\_UMG\_TENANT** |

# Implementation

Please provide Implementation steps as per the Release depending on Release type

|  |  |  |  |
| --- | --- | --- | --- |
| SNo. | Steps (in order) | Description | Remarks |
| 1 | Shutdown of Services & cleanup activity | Shutdown umg-admin,umg-me2,umg-runtime and Modelet instances |  |
| 2 | Wars and JARs | Wars and Jars will be downloaded from the artifactories. Please see the links in next column | Umg-admin:  <http://atlas.altidev.net/artifactory/simple/realanalytics/com/ca/umg/web-ui/2.4.1-SNAPSHOT-44/web-ui-2.4.1-SNAPSHOT-44.war>  and rename to umg-admin.war  Me2 : <http://atlas.altidev.net/artifactory/simple/realanalytics/com/ca/umg/me2/2.4.1-SNAPSHOT-44/me2-2.4.1-SNAPSHOT-44.war> and rename to umg-me2.war  Runtime : <http://atlas.altidev.net/artifactory/simple/realanalytics/com/ca/umg/umg-runtime/2.4.1-SNAPSHOT-44/umg-runtime-2.4.1-SNAPSHOT-44.war> and rename to umg-runtime.war  Modelet:  <http://atlas.altidev.net/artifactory/simple/realanalytics/com/ca/umg/modelet/2.4.1-SNAPSHOT-44/modelet-2.4.1-SNAPSHOT-44-onejar.jar> and rename to modelet.one-jar.jar  Please download these WARs and JARs |
| 2 | Location of the DB properties | DB scripts:  **Z:\COLLSDEV\Consumer Analytics\UMG PROD Releases\2.4\db scripts** | Run db scripts in the following order   1. admin\_schema.sql 2. ocwen\_tenant\_schema.sql |
| 4 | Modelet Script | Start Modelet with specific pool | 1. Add below argument for each modelet processin script Modelet\_4.sh.   -DpoolName= ONLINE\_POOL or BATCH\_POOL (these names must be same POOL\_NAME from POOL table)  **10 Modelets running in ONLINE\_POOL and 2 modelets running in BATCH\_POOL** |
|  | Increase Packet size to "65536" in umg\_admin tomcat servers | Increatse packetSize to ="65536" if size is less than this value otherwise, you can ignore | 1. Go to tomcat installation directory 2. cd to conf 3. Open server.xml file 4. Go to <Connector protocol=”AJP/1.3” 5. And update packetSize to “65536” 6. Save and close file |
|  | group\_concat\_max\_len Server System Parameter in MySQL servers | group\_concat\_max\_len = 1000000 | Add below parameter and it’s value in my.cnf config file in all MySQL servers  group\_concat\_max\_len = 1000000 |
|  | Mongo DB User creation | Z:\COLLSDEV\Consumer Analytics\UMG PROD Releases\2.4\db scripts\ Mongo\_user\_creation.txt | 1. Open Monog\_user\_creation.txt 2. Update Username and password (replace "xxxxx" with correct values) 3. Run Monog\_user\_creation.txt 4. Restart Mongo DB instance with below command - %MONGO\_HOME%\bin\mongod.exe --auth --dbpath=%MONGO\_HOME%\data 5. As we have created user for MongoDB first time, we need to update db.properties file in umg-admin and umg-runtime modules as well.   Please set correct values for mongo.username and mongo.password |
|  | Externalization of Properties | Z:\COLLSDEV\Consumer Analytics\UMG PROD Releases\2.4\ Steps\_to\_externalize-properties | Please follow the steps as per the attached text file |
|  | start all the servers |  |  |

# Post-Implementation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SNo. | Steps (in order) | Description | Owner | Remarks |
| 1 | Post Implementation -Test Case Details for Sanity testing | These details needs to be provided by QE team by sharing the test cases that support can test post implementation. | QE Team |  |
| 2 | Basic Sanity testing | Basic system testing by Support | Product support |  |
|  |  |  |  |  |

# Rollback

Please provide the Rollback steps as the release type. Mention the reason under “Description” if Roll back is not applicable

|  |  |  |  |
| --- | --- | --- | --- |
| SNo. | Steps (in order) | Description | Remarks |
| 1 | Database Rollback steps | **Z:\COLLSDEV\Consumer Analytics\UMG PROD Releases\2.4\db scripts\rollback** | Run db scripts in the following order   1. admin\_schema.sql 2. ocwen\_tenant\_schema.sql 3. Mongo\_user\_creation\_rollback |
| 2 | Rollback WARs and JARs |  |  |
| 3 | Model Rollback steps |  |  |
| 4 | Application Rollback steps |  |  |
| 5 |  |  |  |
|  |  |  |  |

# Release Implementation Team

Details of the Implementation team members who will be participating in the Release. This includes Dev, QE, UAT, Product Management and Support teams.

# Notification

Release notification List.

|  |  |  |
| --- | --- | --- |
| S No. | Team Notification details | |
| 1 | Name | Dev Team |
| Email | Dev Team DL |
| 2 | Name | QE Team |
| Email | QE Team DL |
| 3 | Name | Support Team |
| Email | Support Team DL |
| 4 | Name | Product Management |
| Email | Product Management DL |
| 5 | Name | Client |
| Email | Client DL |