Release Notes

Product Name: RealAnalytics

Track/Build Number: <NOT a new build>

Project Type: Tenant Setup

|  |  |  |
| --- | --- | --- |
| **Document Classification** | Internal Use Only | |
| **Department Name** | Consumer Analytics | |
| **Document Number** | **Version** | **Document Owner** |
| UMG- Release Notes 3.0 | 3.0 | Udaya Kiran SS |
| **Reviewed on** | **Review Frequency** | **Effective Date** |
|  | As needed | 11/27/2015 |
| **Prepared by** | **Reviewed by** | **Approved by** |
| Anil Kamath | Udaya Kiran SS |  |

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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 3.1 into Stress environment, as a precursor to moving to production environment.

# Description of the change

Please provide following details.

Business features for release 4.0

Below Table need to update by Product Team

|  |  |
| --- | --- |
| Category | Feature |
| New Tenant Setup | Setup “realtrans” client into production. |

* 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: **None**

# Release Management Approvals

Please provide Release Management Team approvals

|  |  |
| --- | --- |
| Expected Release Date | On or Before 2nd Dec 2015 |
| Release # | Technical Change |
| Product | RA |
| Environment: | Production |
| Project Manager to confirm if final package is uploaded to SVN |  |
| Is Release communication sent to BU | NA |
| Is BU Approval procured and attached? | NA |
| IS IT head Approval procured and attached? | Yes |
| Is DMC approval procured and attached? | NA |
| Any additional approvals | PS Manager, VP |

# Environment Information

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

|  |  |
| --- | --- |
| Expected Release Date |  |
| Release # |  |
| Product |  |
| Environment: | Stress |
| 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 | Refer Section 2.2 |
| Is Data fix a SQL Statement/SQL script | Refer Section 2.2 |
| 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

# Pre-Implementation

# Implementation

Follow the below steps during deployment process

**DB Scripts execution**

Obtain the scripts from Jira [UMG-4482](http://jira.altisource.com/browse/UMG-4482)

**REFER to Appendix for GIT Repository Details**

Run db scripts in the following order

1. download the sql file “realtrans-onboarding-dml-prod.sql” for prod to onboard the tenant
2. Execute the sql queries in the same order as present in the downloaded sql file at once (don't execute sequentially one after other seperately)
3. Download the “mongo-schema.txt” file and execute the commands sequentially in the same order one after the other

**Restart all the components**

* 1. Start deploying modules in this order

Admin

Runtime

ME2

Modelet Processes

* 1. Please don’t start all Modules together.
  2. Start one module and wait until that process completely up.
  3. There should be 1 min sleep time between each Modelet process.

Note: Please refer to **Modelet Restart Steps** section in this document)

# Post-Implementation

* Ensure that all Modelets are registered in Hazelcast before starting the sanity
  1. Use the below API to get dump of Pool data in Hazelcast

**http://<ME2-IP>/umg-me2/modelExecEngine/getAllModeletInfo**

(Load Balancer URL of ME2)

* 1. Logs will be present in one of the ME2 logs
* Perform the sanity test suite for the build.
* Once the sanity test results are verified without any issues, send a mail to all stake holders on success of the release.

# Rollback

If the system is not working as intended,

Please follow the below steps for Rollback.

**Shutdown all servers**

Please shut down all UMG modules, before starting deploying any Module

*If any component doesn’t shuts down normally, Please use Kill -9 to kill the process.*

**Clean up of Tomcat Servers**

Removing wars, extracted folders and work folders from Tomcat servers (Admin, Runtime and ME2).

War Extracted Location: /opt/tomcat/webapps

War Location: /opt/tomcat/webapps

Work Folder Location: /opt/tomcat/work/Catalina/localhost

**DB Scripts execution**

Run db scripts in the following order

1. Query for deleting the onboarded tenant from mysql : delete from TENANT\_CONFIG where TENANT\_ID='realtrans';
2. Mongo commands to delete the collection on mongo prompt :
3. use ra\_transaction\_documents;
4. db.realtrans\_documents.drop();

**Update RA version:**

Update “umg-ver” parameter to 3.1 in externalized umg.properties file.

**WAR and JAR Locations**

Copy the backed up WARs to the appropriate <TOMCAT-WEBAPPS> of all the components respectively.

**Restart all the components**

* 1. Start deploying modules in this order

Admin

Runtime

ME2

Modelet Process

* 1. Please don’t start all Modules together.
  2. Start one module and wait until that process completely up.
  3. There should be 1 min sleep time between each Modelet process.

Note: Please refer to **Modelet Restart Steps(Rollback)** section in this document)

# Known Issues

# 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.

# Appendix

GIT References

GIT URL for RA : ssh://git@inf-hub.altidev.net:7999/ra/umg.git

Please referrer to below WIKI page for setting up GIT repository in local system.

<http://wiki.altisource.com/display/CA/Local+GIT+Set+Up+and+Help+Commands>

# Modelet Restart Steps

Please follow below order for starting R and Matlab Modelets.

Below steps are specific to Production, change appropriately based on the environment.

**Modelet Server 1**

1. Start modelet\_R\_7902 in Modelet Server 1 (2 Cores and 8GB Ram)

**Modelet Server 2**

1. Start modelet\_R\_7902 in Modelet Server 2 (2 Cores and 8GB Ram)

2. Start modelet\_Matlab\_7900 in Modelet Server 2 (2 Cores and 8GB Ram)

3. Start modelet\_Matlab\_7901 in Modelet Server 2 (2 Cores and 8GB Ram)

**Modelet Server 3**

1. Start modelet\_R\_7902 in Modelet Server 3 (4 Cores and 16GB Ram)

2. Start modelet\_Matlab\_7900 in Modelet Server 3 (4 Cores and 16GB Ram)

3. Start modelet\_Matlab\_7901 in Modelet Server 3 (4 Cores and 16GB Ram)

**Modelet Server 4**

1. Start modelet\_R\_7902 in Modelet Server 4 (4 Cores and 16GB Ram)

2. Start modelet\_Matlab\_7900 in Modelet Server 4 (4 Cores and 16GB Ram)

3. Start modelet\_Matlab\_7901 in Modelet Server 4 (4 Cores and 16GB Ram)

**Modelet Server 1**

1. Start modelet\_Matlab\_7900 in Modelet Server 1 (2 Cores and 8GB Ram)

2. Start modelet\_Matlab\_7901 in Modelet Server 1 (2 Cores and 8GB Ram)

**Modelet Server 3**

1. Start modelet\_R\_7903 in Modelet Server 3 (4 Cores and 16GB Ram)

**Modelet Server 4**

1. Start modelet\_R\_7903 in Modelet Server 4 (4 Cores and 16GB Ram)

# Modelet Restart Steps(Rollback)

Below steps are specific to Production, change appropriately based on the environment.

**Modelet Server 1**

1. Start modelet\_R\_7902 in Modelet Server 1 (2 Cores and 8GB Ram)

**Modelet Server 2**

1. Start modelet\_R\_7902 in Modelet Server 2 (2 Cores and 8GB Ram)

2. Start modelet\_Matlab\_7900 in Modelet Server 2 (2 Cores and 8GB Ram)

3. Start modelet\_Matlab\_7901 in Modelet Server 2 (2 Cores and 8GB Ram)

**Modelet Server 3**

1. Start modelet\_Matlab\_7900 in Modelet Server 3 (4 Cores and 16GB Ram)

2. Start modelet\_Matlab\_7901 in Modelet Server 3 (4 Cores and 16GB Ram)

3. Start modelet\_R\_7902 in Modelet Server 3 (4 Cores and 16GB Ram)

4. Start modelet\_R\_7903 in Modelet Server 3 (4 Cores and 16GB Ram)

**Modelet Server 1**

1. Start modelet\_Matlab\_7900 in Modelet Server 1 (2 Cores and 8GB Ram)

2. Start modelet\_Matlab\_7901 in Modelet Server 1 (2 Cores and 8GB Ram)

# 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 |