**PRS Data and Analytics**

**Deployment Notes for Production release of Abacus Distribution Data Integration 1.0.0 May 2019**

**People Involved**

BI Team (BI)

* Release Manager: Chris Ellis ([BIReleasemgmt@prsformusic.com](mailto:BIReleasemgmt@prsformusic.com))
* Release Assistance : Tim Firmin

Project Engineering and Technology (PET)

* <TBC> (SQLSupport@prsformusic.com)

**Sub Release Numbers**

DDI\_PRODRelease1\_1.0.0

**Release Content**

This release implements the following components for the Hector 2 FPV Application Project:

* Azure SQL Database: additional schema and db objects in FinanceDataMart and FinanceStage databases.
  + DDI schema
  + Database objects
* Creation of Abacus Database
* Integration Services Catalog – @ /SSISDB/DDI/DDIETL and /SSISDB/AbacusIntegration/
* SQL Server Agent Job – New Agent Job Creation
  + SSIS\_DistributionDataIntegration
  + SSIS\_AbacusIntegration

**Back Out Strategy**

Ensure pre-deployment backups are taken for the following:

* azp-ms-sql-P003.database.windows.net
  + BISystem
* SSIS Server: AZI-MS-SIS-U001
* AZI-MS-SQL-U001, 50501

Recover from these backups

There are also SQL DDI Backout Scrips for FinanceStage and FinanceDataMart @

DB.FinanceStage\_Update ROLLBACK.sql

DB.FinanceDataMart\_Update ROLLBACK.sql

**Release Summary**

* Pre-Release Start Datetime May 2019 13:00 <TBC>
* Release Start Datetime May 2019 16:00 <TBC>
* Estimated Duration 1 hours <TBC>

**Support Required**

* Normal Hours 09:00 to 17:00
* Out of Hours None

**Support Tasks**

**Project Engineering and Technology**

**Release Dependencies**

* Database Objects (if not part of this release) must exist and Proxy account needs appropriate (schema object) permissions via the prs\_subscribed\_application role.
* MDS MasterStation Model must be set up with appropriate proxy permissions on the MDS backend database.
* BI System is up to date in terms of Application and EntityType @ Control.EntityType.Populate.sql
* SSRS Destination configured correctly

**Pre-Release Actions**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Date | Time | Step | Activity | Deployment  Software | Who? | Completed |
|  | 09:00 | 1 | **Start Azure PROD Servers using Azure Portal** | Azure Portal | PET |  |
|  |  | 1.1 | Start AZP-MS-SQL-P003.database.windows.net Azure DW Server |  |  |  |
|  |  | 1.2 | Start AZI-MS-SIS-P001 Azure SSIS Server |  |  |  |
|  |  | 2 | **Create SSIS Folders on SIS P001/P001** | SSMS | PET |  |
|  |  | 2.1 | SSIS Folder on SIS Server /SSISDB/DDI/ needs to exist with appropriate permissions for the Proxy Account  Give permissions to the PRS\SQLProxyBIProduction user |  |  |  |
|  |  | 2.2 | SSIS Folder on SIS Server /SSISDB/AbacusIntegration/ needs to exist with appropriate permissions for the Proxy Account  Give permissions to the PRS\SQLProxyBIProduction user |  |  |  |
|  |  | 3 | **Folder Creations** |  | PET |  |
|  |  | 3.1 | Create Local Folder on production SSIS Server AZI-MS-SIS-P001  @ **M:\Data\Download\DDI** and ensure Proxy account has read/write permissions |  |  |  |
|  |  | 3.2 | Ensure folder structure below is set up on FSS-DATA08\Data\Download\Abacus  MissingMinutes  Failed  Processed  Quarantined  MusicMinutes  Failed  Processed  Quarantined  PublicReception  Failed  Processed  Quarantined |  |  |  |
|  |  | 4 | **BI System** | SSMS | PET |  |
|  |  |  | Run the following scripts in the ./BISystem folder:   1. Hector2 Application Update CRQ000020002261\_DDI 1.0.0.sql 2. Hector2 Entity Type Update CRQ000020002261\_DDI 1.0.0.sql |  |  |  |

**Release Actions**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Step | Activity | Deployment  Software | Who? | Completed |
|  | **1** | **Deploy Database objects** |  |  |  |
|  | 1.1 | **Deploy Distribution FPV Objects**  Execute the following scripts (in SQLCMD mode) from the Deployment folder ./DB/DDI:   1. DB.FinanceDataMart\_Update.sql 2. DB.FinanceStage\_Update.sql | SSMS | PET |  |
|  | 1.2 | Ensure prs\_subscribed\_application has access to the new schema in FinanceStage and FinanceDataMart.  The following scripts are available if needed:   1. FinanceDataMart.prs\_subscribed\_application.sql 2. FinanceStage.prs\_subscribed\_application.sql | SSMS | PET |  |
|  | 1.3 | **Deploy Abacus Database**   1. Ensure database publish file is configured with the correct environmental values for publishing to production (PRD.DB.Abacus.publish.xml) (file in ./DB/Abacus) | XML Editor | PET |  |
|  | 1.4 | Referencing the database publish file:  **PRD.DB.Abacus.publish.xml**  Release the Abacus Database to AZI-MS-SQL-P001 using .dacpac **DB.Abacus.dacpac**  **Ensure other dacpacs are in the folder** | Sqlpackage.exe | PET |  |
|  | 1.5 | Add role and proxy account to Abacus DB | SSMS | PET |  |
|  | **2** | **SSIS deployment** | SSMS | PET |  |
|  | 2.1 | **DDI SSIS Deployment**  Deploy the ISPAC from ./SSIS/DDI to /SSISDB/DDI/     * **DDIETL.ispac** |  |  |  |
|  | 2.2 | Set Project Config with Production Parameter Values   * Configure DDIETL project   **Please see section ‘Project Config DDI’ towards the end of this document with the values** |  |  |  |
|  | 2.3 | **Abacus Integration SSIS Deployment**  Deploy the ispac from ./SSIS/AbacusIntegration to /SSISDB/AbacusIntegration/AbacusDataIntegration   * **FPVDataIntegration.ispac** |  |  |  |
|  | 2.4 | Set Project Config with Production Parameter Values   * Configure AbacusDataIntegration project   **Please see section ‘Project Config’ towards the end of this document with the values** |  |  |  |
|  | **3** | **Sql Agent Jobs** |  |  |  |
|  | 3.1 | **Deploy Azure Sql Server Agent Job – Distribution Data Integration**  Execute the following script (in SSISDB folder) to create the job:   * SSIS\_DistributionDataIntegration.sql |  |  |  |
|  | 3.2 | **Deploy Azure Sql Server Agent Job – Distribution Data Integration**  Execute the following script (in ./SSISDB/DDI folder) to create the job:  SSIS\_DistributionDataIntegration.sql |  |  |  |
|  | 3.3 | **Deploy Azure Sql Server Agent Job – Abacus Data Integration**  Execute the following script (in ./SSISDB/AbacusIntegration folder) to create the job:  SSIS\_AbacusIntegration.sql |  |  |  |
|  | 4 | **SSRS Notification Reports**  Move the following reports to SSRS Folder @  Home/Application Reports / Abacus / DistributionDataIntegration   * DistributionDataBatchSummary.rdl * DistributionDataStationOrphans.rdl   Reporting must point to FinanceDataMart report data source |  |  |  |

**Post Release**



**Points of Interest (Specials for this Release):**

* None

**All Modules within this release contained and labelled in TFS under the Release reference.**

**Project Config DDI**

|  |  |
| --- | --- |
| **Parameter Name** | **Value** |
| strBISystemADOConnectionString | Data Source=AZP-MS-SQL-P001.database.windows.net;Initial Catalog=BISystem;Connect Timeout=60;ConnectRetryCount=3;ConnectRetryInterval=20;Authentication="Active Directory Integrated" |
| strFinanceDataMartADONETConnectionString | Data Source=AZI-MS-SQL-P001,50501;Initial Catalog=FinanceDataMart;Integrated Security=True; |
| strFinanceStageADONETConnectionString | Data Source=AZI-MS-SQL-P001,50501;Initial Catalog=FinanceStage;Integrated Security=True; |
| strLocalProcessingFolder | M:\Data\Download\DDI\ |
| strMDSADOConnectionString | Data Source=AZI-MS-SQL-P001,50501;Initial Catalog=MDS;Integrated Security=True; |
| strMDSOLEDBConnectionString | Data Source=AZI-MS-SQL-P001,50501;Initial Catalog=MDS;Provider=SQLOLEDB;Integrated Security=SSPI;Auto Translate=false; |
| strMDSUserName | PRS\ServiceProdSQLP001MD please check this as unsure of production value |
| strMailProfileName | AZI-MS-SQL-P001 SQL Database Mail |
| strMailRecipientList | Support-BI-apps@prsformusic.com |
| strMailRecipientListSupport | Support-BI-apps@prsformusic.com |
| strSISDatabaseMail | AZI-MS-SIS-P001 SQL Database Mail |
| strSSISConfigurationConnectionString | Data Source=AZI-MS-SIS-P001,50501;Initial Catalog=SSISConfiguration;Integrated Security=True; |
| strSSISDBConnectionString | Data Source=AZI-MS-SIS-P001,50501;Initial Catalog=SSISDB;Integrated Security=True; |
| strSSISProjectEnvironment | Prod |
| strSSRSReportLink | https://app-reports-prod01//reports/report/Application%20Reports/Abacus/DistributionDataIntegration/DistributionDataStationOrphans?LoadId= |
| strSSRSReportLink2 | https://app-reports-prod01//reports/report/Application%20Reports/ Abacus /DistributionDataIntegration/DistributionDataBatchSummary?LoadId= |
| strSourceFileFolder | \\FSS-DATA08\Data\Download\Abacus |

**Project Config Abacus Integration**

|  |  |
| --- | --- |
| **Parameter Name** | **Value** |
| strAbacusOLEDBConnectionString | Data Source=AZI-MS-SQL-P001,50501;Initial Catalog=Abacus;Provider=SQLNCLI11.1;Integrated Security=SSPI;Auto Translate=False; |
| strActiveDistributionGroups | AV,ILR,BBC |
| strApplicationCode | FPV |
| strAudienceMartADONETConnectionString | Data Source=AZI-MS-SQL-P001,50501;Initial Catalog=AudienceMart;Integrated Security=True; |
| strBISystemADOConnectionString | Data Source=AZP-MS-SQL-P001.database.windows.net;Initial Catalog=BISystem;Connect Timeout=60;ConnectRetryCount=3;ConnectRetryInterval=20;Authentication="Active Directory Integrated" |
| strDistributionFPVADONETConnectionString | Data Source=AZI-MS-SQL-P001,50501;Initial Catalog=Abacus;Integrated Security=True; |
| strFinanceDataMartADONETConnectionString | Data Source=AZI-MS-SQL-P001,50501;Initial Catalog=FinanceDataMart;Integrated Security=True; |
| strMDSADOConnectionString | Data Source=AZI-MS-SQL-P001,50501;Initial Catalog=MDS;Integrated Security=True; |
| strMDSUserName | PRS\ServiceProdSQLP001MD please check this as unsure of production value |
| strMailProfileName | AZI-MS-SQL-P001 SQL Database Mail |
| strMailRecipientList | Support-BI-apps@prsformusic.com |
| strMailRecipientListSupport | Support-BI-apps@prsformusic.com |
| strSISDatabaseMail | AZI-MS-SQL-P001 SQL Database Mail |
| strSSISConfigurationConnectionString | Data Source=AZI-MS-SIS-P001,50501;Initial Catalog=SSISConfiguration;Integrated Security=True; |
| strSSISDBConnectionString | Data Source=AZI-MS-SIS-P001,50501;Initial Catalog=SSISDB;Integrated Security=True; |
| strSSISDBProjectFolder | AbacusIntegration |
| strSSISProjectEnvironment | Prod |
| strSSRSReportLink | https://app-reports-dev01/reports/report/Application%20Reports/Hector2/ |
| strSourceFileFolder | \\ONP-MS-FSS-DV01\Data\Proj\Hector2\UAT\ |