They 



< Redshift: Redshift\_cluster\_tables\_check>

Release Note Document

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| --- | --- |
| PROJECT CODE: | <Project Code> |
| DEPLOYMENT INSTRUCTIONS |  |
| PROJECT MANAGER | Kotesh Cheruku |
| DEVELOPERS | Chander M Singh |
| DATE | 5/17/2016 |

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# Document Version Control

|  |  |  |  |
| --- | --- | --- | --- |
| VERSION | DATE | AUTHOR | CHANGE DESCRIPTION |
| 1.0 | 05/10/2016 | Chander M Singh | This script will send an alert and open a ticket whenever the number of tables crosses thresholds passed as parameter to script.   * An email will be created for ‘**pageeitdatabaseservices** ’ for Critical level . For Warning messags the email to go **EDMStrategicDBServices** . |
|  |  |  |  |
|  |  |  |  |

# Deployment Overview

## Short Description

This script will monitor the Redshift Cluster tables count. It has max limit of 9900. There are 2 parameters namely Warning and Critical Thresholds. These can be changed as the need may be. As soon as a warning limit is crossed, this script will send an appropriate message based on kind of threshold to **‘EDMStrategicDBServices’** DL for necessary action. If Critical limit has crossed than script will send an appropriate message to ‘**pageeitdatabaseservices@cablevision.com’**

## Source Details

|  |  |  |  |
| --- | --- | --- | --- |
|  | Source Object Name | Environment/Source | Source Type |
| Source  *Lists* |  | Redshift Clusters |  |
| Production | CVLPAWSBIS1.cablevision.com | Production |
|  |  |  |
| UAT/DEV | cvluawsbisam1 |  |

## Target Details

|  |  |  |  |
| --- | --- | --- | --- |
|  | Target Object Name | Environment/Target | Target Type |
| Target  *Lists* |  | Redhsift clusters :  All : UAT, PRODUCTION, DEV |  |
|  |  |  |
|  |  |  |
|  |  |  |

## Scheduling

|  |  |
| --- | --- |
|  |  |
| Scheduling | Refer to Appworx Spreadsheet. |

|  |  |  |
| --- | --- | --- |
| SCRIPT NAME | SCRIPT LOCATION | LABEL |
| redshift\_cluster\_tables\_check.sh  tables\_check.sh  email\_users\_for\_tables\_warninglevel.sh  email\_users\_for\_tables\_criticallevel.sh  redshift-id-pass | /pvcsapp/data/CorpIS\_A\_H/work/EDM\_DMIS/AutoOps/AM | 1.0 |

# Deployment Instructions

## Table/Repository Backups Required

List any objects that require backup. If no objects required, indicate with an “N/A”.

|  |  |  |  |
| --- | --- | --- | --- |
| STEP # | DESCRIPTION | DURATION | PERFORMED BY |
| 1. | N/A |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |

## Production Pre-Deployment Dependencies

List any chain, modules or processes that must be completed prior to the production deployment. If none, indicate with an “N/A”.

|  |  |  |  |
| --- | --- | --- | --- |
| STEP # | DESCRIPTION | DURATION | PERFORMED BY |
| 1. | N/A |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |

## Deployment Instructions (Steps Executed Sequentially, Unless Noted)

List steps by order of deployment. For multiple day deployments, document the steps in order by day of deployment. If steps are non-sequential, indicate as well.

|  |  |  |  |
| --- | --- | --- | --- |
| STEP # | GO-NO-GO | DATE / TIME | Rollback Steps |
| 1. |  | DATE/TIME | Reference section F |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| STEP # | DESCRIPTION | PROVIDE:   1. App Tool 2. Login@DBase | DURATION | DEV/APP ANALYST |
| 1. | 1. **redshift\_cluster\_tables\_check.sh**   **tables\_check.sh**  **email\_users\_for\_tables\_warninglevel.sh**  **email\_users\_for\_tables\_criticallevel.sh**  **redshift-id-pass**   1. chmod 755 \* 2. Edit the **redshift-id-pass** with the server, loginid, and other details as mentioned   **servername:loginid:password:database:port\_no:Type of server**  For example :-  rsamd1:csingh1:CMSCS:cvrsamd:5453:UAT   1. Run **./redshift\_cluster\_tables\_check.sh**   USAGE : ./redshift\_cluster\_tables\_check.sh 'TABLES\_THRESHOLD\_WARNING\_PERCENTAGE' 'TABLES\_THRESHOLD\_CRITICAL\_PERCENTAGE'  For Example : -  **./redshift\_cluster\_tables\_check.sh 75 90** |  | 20 min | DBA |
| 2. | Complete Appworx spreadsheet |  | 1 hour | AppSupport/DBA (onsite DBA should put cvadmin password in Appworx) |
| 3. |  |  |  |  |
| 4. | Go No-Go 5/17/2016 | 4 PM |  | DBA/ AppSupport |

## Initial History Load

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Initial/History Load Required** | **Yes** | **No** | **Archive Logging Disabled** | **Yes** | **No** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| STEP # | DESCRIPTION | PROVIDE:   1. App Tool 2. Login@DBase | DURATION | DEV/APP ANALYST |
| 1. |  |  |  |  |
| 2. |  |  |  |  |
| 3. |  |  |  |  |
| 4. |  |  |  |  |

## Post-Deployment Verification

Steps to validate the deployment: This may include queries, test run in the UAT environment or other tasks to confirm the deployment was successful.

|  |  |  |  |
| --- | --- | --- | --- |
| STEP # | DESCRIPTION | DURATION | PERFORMED BY |
| 1. | Make sure the job completed successfully. | 15 | Admin |
| 2. | Email sent for warning and Critical level |  |  |
| 3. | Ticket Created in both warning and Critical level | 5 | Admin |
| 4. |  |  |  |

## Rollback Instructions (Required)

Instructions to rollback a deployment, should the post-deployment verification be unsuccessful.

|  |  |  |  |
| --- | --- | --- | --- |
| STEP # | DESCRIPTION | DURATION | PERFORMED BY |
| 1. | Connect (ssh ) to cvlpawsbis1.cablevision.com as dba  cd /home/csingh1/   1. **rm redshift\_cluster\_tables\_check.sh**   **tables\_check.sh**  **email\_users\_for\_tables\_warninglevel.sh**  **email\_users\_for\_tables\_criticallevel.sh**  **redshift-id-pass** | 15 min | DBA |
| 2. | Delete Appworx job and chain | 20 min | AppSupport |
| 3. | Test step to validate that rollback is successful:  Connect (ssh ) to cvlpawsbis1.cablevision.com as rsdba  Run command below  **ls -la /** **/home/csingh1 / |grep -e “redshift\_cluster\_tables\_check.” -e “tables\_check.sh”**  **” -e “email\_users\_for\_tables\_warninglevel.sh**  **”-e “email\_users\_for\_tables\_criticallevel.sh” –e “redshift-id-pass” | wc -l**  Expected result : 0 | 5 min | DBA |
| 4. |  |  |  |

## Post-Deployment Clean-Up

Process involves steps to remove temporary objects, files, scripts and any other non-permanent objects from the production server once the deployment has been validated and determined to be successful.

|  |  |  |  |
| --- | --- | --- | --- |
| STEP # | DESCRIPTION | DURATION | PERFORMED BY |
| 1. | N/A |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |