UTIMCO Coding Challenge Documetation

**Version 1.4**

03-Dec-2017

Table of Contents

[1. Database Information 4](#_Toc485880147)

[2. SQL VM status in ITSM 4](#_Toc485880148)

[3. High availability testing 5](#_Toc485880149)

[3.1 SQL Server 5](#_Toc485880150)

[3.2 Oracle – RAC Failover Testing 5](#_Toc485880151)

[3.3 Switch over testing using Rescue tool 5](#_Toc485880152)

[3.3.1 SQL 6](#_Toc485880153)

[3.3.2 Oracle 6](#_Toc485880154)

[4. Standby database health check 6](#_Toc485880155)

[4.1 SQL 6](#_Toc485880156)

[4.2 Oracle 6](#_Toc485880157)

[5. ORACLE – Backup configuration 6](#_Toc485880158)

[5.1 Primary Servers 6](#_Toc485880159)

[5.2 Standby  Servers : 7](#_Toc485880160)

[6. Healthcheck / Compliance report 7](#_Toc485880161)

[6.1 SQL – Healthcheck report 7](#_Toc485880162)

[6.2 Oracle –OEM compliance reports 8](#_Toc485880163)

[7. Capacity Planning 8](#_Toc485880164)

[7.1 Projected growth for 12 months 8](#_Toc485880165)

[7.2 SQL 8](#_Toc485880166)

[7.2.1 Transaction log 8](#_Toc485880167)

[7.2.2 Diskspace utilization 9](#_Toc485880168)

[7.3 Oracle 9](#_Toc485880169)

[7.3.1 Archive and FRA sizing 9](#_Toc485880170)

[8. Landing zone 10](#_Toc485880171)

[8.1 Connection Validation - SQL 10](#_Toc485880172)

[8.2 Connection Validation Oracle 10](#_Toc485880173)

[8.3 Landing zone status Live for SQL / Oracle 10](#_Toc485880174)

[8.3.1 Primary database 10](#_Toc485880175)

[8.3.2 Secondary database 10](#_Toc485880176)

[9. Landing zone replication 10](#_Toc485880177)

[10. Goldengate 10](#_Toc485880178)

[11. GLENDA 10](#_Toc485880179)

[11.1.1 SQL 11](#_Toc485880180)

[11.1.2 ORACLE 11](#_Toc485880181)

[12. Oracle – Oset 11](#_Toc485880182)

[12.1.1 Primary 11](#_Toc485880183)

[12.1.2 Secondary 11](#_Toc485880184)

[13. Decomission n-1 environment 11](#_Toc485880185)

[14. Warrenty – Ops review sign off 12](#_Toc485880186)

# Getting Started

## Configuring Environment with Eclipse IDE

Eclipse Neon.2 is what Kyle used

## Download and Extract File

* Download the following file and extract it to C:\RyanBennettCodingExcercise

[insert file here]

* http://www.javainterviewpoint.com/read-json-java-jsonobject-jsonarray/

## Downloading the Simple JSON API

Download the following JSON for Java API:



After you have downloaded the API open Eclipse IDE and import

https://stackoverflow.com/questions/18346609/how-can-i-import-javax-json-in-eclipse

http://www.oracle.com/technetwork/articles/java/json-1973242.html

## SQL Server

# Configuring Environment with Eclipse IDE

The jkdbjskbjkdbjk

# Sources

<http://www.javainterviewpoint.com/read-json-java-jsonobject-jsonarray/>

<https://stackoverflow.com/questions/1568762/accessing-members-of-items-in-a-jsonarray-with-java>

<https://stackoverflow.com/questions/10926353/how-to-read-json-file-into-java-with-simple-json-library>

Solution in PHP:

https://github.com/schrodervictor/codeeval-challenges/tree/master/easy/Json-Menu-Ids

Document Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Version Number** | **Date Updated** | **Revision Author** | **Brief Description of Changes** |
| 1.0 | Dec 03, 2017 | Ryan Bennett | Added Resuce tool, landing zone checks, backup validation steps |
|  |  |  |  |
|  |  |  |  |