**TNS Error**

**Overview**

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| **Trigger:** | Resolve TNS Error or Add TNS entries in tnsnames.ora file | | |
| **Special Permissions:** | SYS Admin | **Responsible Team:** | DB Team |
| **Config. Item:** | Database | **KB Reference:** | KB# |

**Instructions**

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| **Step #** | **Information** |
| 1. | * Usually, when we miss to add TNS entries of an instance we encounter ‘ORA-12154’ error while connecting to that instance from remote. |
| 2. | * To resolve it, we need to add tns entries in tnsnames.ora file which is located at “$ORACLE\_HOME/network/admin/tnsnames.ora” |
| 3. | * Add entries to tnsnames.ora file in below format:   E.g. ORCL.CORP.JETSTAR.COM =  (DESCRIPTION =  (ADDRESS = (PROTOCOL = TCP) (HOST = hostname) (PORT = 1521))  (CONNECT\_DATA =  (SERVER = DEDICATED)  (SERVICE\_NAME = orcl)  )  ) |
|  | * After adding and saving the entries in tnsnames.ora file, verify the connection to that instance using SQL Developer. |

**Document Control**

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| Revision History | | | | |
| Version | **Date** | **Author** | **Title & Company** | **Description** |
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| Version | **Name** | **Title & Company** | **Date** | **Signature** |
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