

















Articles	Bugs
 ID 1614107.1 <b>Reference: SQLT Usage Instructions [1614107.1]</b>	
 ID 885643.1 <b>How To: How to Install 11.2 /12.1/12.2/18c Database/Client Software in Silent Mode with/without Using Response File [885643.1]</b>	
 ID 966023.1 <b>How To: How to Create an OCM Response file to Apply a Patch in Silent Mode - opatch silent [966023.1]</b>	
 ID 2081410.1 <b>Alert: ALERT: Setting RemoveIPC=yes on Redhat 7.2 and higher Crashes ASM and Database Instances as Well as Any Application That Uses a Shared Memory Segment (SHM) or Semaphores (SEM) [2081410.1]</b>	
 ID 20634449.8 <b>Patch: Bug 20634449 - Wrong Results from OUTER JOIN with a Bind Variable and a GROUP BY Clause in 12.1.0.2 [20634449.8]</b>	
 ID 373431.1 <b>: Troubleshooting guide for ORA-12592 / TNS-12592: TNS: bad packet [373431.1]</b>	
 ID 2545064.1 <b>Bulletin: Oracle 19c - Complete Checklist for Upgrading to Oracle Database 19c (19.x) using DBUA [2545064.1]</b>	
 ID 444560.1 <b>: Troubleshooting Library Cache: Lock, Pin and Load Lock [444560.1]</b>	
 ID 553225.1 <b>How To: How To Set the AUDIT_SYSLOG_LEVEL Parameter? [553225.1]</b>	
 ID 1054902.1 <b>Bulletin: How to Validate Network and Name Resolution Setup for the Clusterware and RAC [1054902.1]</b>	
 ID 443746.1 <b>Bulletin: Automatic Memory Management (AMM) on 11g &amp; 12c [443746.1]</b>	
 ID 1333824.1 <b>Problem: Database Crashes With ORA-27300, ORA-27301, ORA-27302 On Solaris SPARC [1333824.1]</b>	
 ID 2028503.1 <b>Problem: 12c RAC DDL Performance Issue: High "enq: IV - contention" etc if CPU Count is Different [2028503.1]</b>	
 ID 1377349.1 <b>Bulletin: How to Deconfigure/Reconfigure(Rebuild OCR) or Deinstall Grid Infrastructure [1377349.1]</b>	
 ID 1965956.1 <b>Diagnostic Tools: SRDC - Data Collection for Datapatch issues [1965956.1]</b>	

 ID 1683772.1


**Bulletin: How to Collect Standard Diagnostic Information Using SQLT for SQL Issues [1683772.1]**

---

 ID 18961555.8

**Patch: Bug 18961555 - Static PL/SQL baseline reproduction broken by fix for bug 18020394 [18961555.8]**

---

 ID 1913721.1


**How To: OGG Replicat Fail To Start With Error PLS-00201: Identifier "DBMS\_XSTREAM\_GG\_ADM" Must Be Declared and OGG-00665 [1913721.1]**

---

 ID 2006145.1


**Problem: High Waits for "cursor: pin S wait on X" due to Dynamic Sampling Against Parallel Queries [2006145.1]**

---

 ID 472937.1


**How To: Information On Installed Database Components and Schemas [472937.1]**

---

 ID 2378735.1


**Problem: "\_ORACLE\_SCRIPT"=TRUE PARAMETER Should not be Invoked by Users [2378735.1]**

---

 ID 2217053.1


**Bulletin: RAC Rolling Install Process for the "Oracle JavaVM Component Database PSU/RU" (OJVM PSU/RU) Patches [2217053.1]**

---

 ID 1472108.1

**How To: ISM or DISM Misconfiguration can Slow Down Oracle Database Performance [1472108.1]**

---

 ID 1599721.1


**Reference: SuperCluster - Why is oradism (ora\_dism\*) started on Solaris? [1599721.1]**

---

 ID 29436454.8


**Patch: Bug 29436454 - ORA-600[PITL1] / ORA-600[kdt\_bseg\_srch\_cbk PITL1] / ORA-700[PITL6] / ORA-700[kdt\_bseg\_srch\_cbk PITL5] / ORA-700[kgegpa:parameter corruption] Errors on Compressed Tables [29436454.8]**

---

 ID 1958027.1


**How To: How can I check to see if applications are using most of the system's memory? [1958027.1]**

---

 ID 2285577.1


**Problem: root.sh or rootupgrade.sh Fails With CLSRSC-175 Error For Grid Infrastructure 12.2.0.1 on Solaris [2285577.1]**

---

 ID 1454160.1


**FAQ: FAQ: SQLT (SQLTXPLAIN) Frequently Asked Questions [1454160.1]**

---

 ID 2069046.1


**Alert: ALERT: Datapatch may skip the application of SQL payload for certain patches included in a given bundle in a RAC environment. [2069046.1]**

---

 ID 2182783.1


**How To: Information For Parameters \_upgrade\_optim and \_upgrade\_capture\_noops [2182783.1]**

---

 ID 2555019.1


**Reference: Security Alert CVE-2019-2729 Patch Availability Document for Oracle WebLogic Server [2555019.1]**

---

 ID 2202481.1


**Problem: ORA-00600[kkqcsFindMqb-1] Error [2202481.1]**

---

 ID 955143.1


**How To: Batch Compile Script for Forms, Libraries, Menus, Reports and Conversion between Binary and Text [955143.1]**

---

 ID 1291758.1


**Problem: RMAN failing with RMAN-06136 ORA-00201 ORA-00202. Alertlog ORA-00600[kck\_rls\_check must use (11,0,0,0,0) or lower] [1291758.1]**

---

 ID 2224371.1


**Problem: ORA-07445: [kgxAoIDump()+148] [SIGSEGV] [ADDR:0x1396F60608] [PC:0x1114AF1B4] [Application data integrity precise] [] [2224371.1]**

---

 ID 1987509.1

**How To: Monthly Growth of the Database [1987509.1]**

---

 ID 2149046.1


**Problem: ORA-29548 Java system class reported: could not identify release specified in classes.bin or ORA-29516 java.lang.UnsatisfiedLinkError sun.net.PortConfig.getLower0 [2149046.1]**

---

 ID 2370567.1


**How To: How to Upgrade the JDK Version of OJVM From 1.6 to 1.7 in a 12cR1 Multi-Tenant Database (CDB and all PDBs) [2370567.1]**

---

 ID 1366133.1


**Script: SQL Tuning Health-Check Script (SQLHC) [1366133.1]**

---

 ID 164768.1


**: Troubleshooting: High CPU Utilization [164768.1]**

---

 ID 359515.1


**Bulletin: Mount Options for Oracle files for RAC databases and Clusterware when used with NFS on NAS devices [359515.1]**

---

 ID 1935662.1

**Problem: HTI (AGGREGATION[2]): Resizing From XX Slots To YY Slots... [1935662.1]**

---

 ID 2347509.1


**Problem: ORA-1031 Error With "alter User Sys" Command Executed By SYSTEM User [2347509.1]**

---

 ID 2013271.1

**How To: 12c How Perform Cross-Platform Database Transport to different Endian Platform with RMAN Backup Sets [2013271.1]**

---

 ID 2265726.1


**Problem: Applying Proactive Bundle / PSU Patch fails with Error: "chmod: changing permissions of ` \$ORACLE\_HOME/bin/extjobO ": Operation not permitted" [2265726.1]**

---

 ID 2444753.1


**How To: How To Create SQL Patch From AWR Repository Without Merging Outline Data Hints Manually [2444753.1]**

---

 ID 1524658.1


**FAQ: FAQ: SQL Plan Management (SPM) Frequently Asked Questions [1524658.1]**

---

 ID 315631.1


**How To: How To Query And Change The Oracle Hidden Parameters In Oracle 10g ,11g and 12c [315631.1]**

---

 ID 1310365.1

**How To: How To Reload the SYS.DBMS\_STATS Package [1310365.1]**

---

 ID 1174105.1


**How To: How to Run SQL Testcase Builder from ADRCI [Video] [1174105.1]**

---

 ID 457861.1


**How To: CATPROC - Packages and Types Invalid in Db registry [457861.1]**

---

 ID 2222780.1


**Reference: Oracle XML Database (XDB) Installation on 12c - XDB invalid status after fresh installation/upgrade [2222780.1]**

---

 ID 1487302.1

**How To: Using Sqltexplain To Create A "SQL Profile" To Consistently Reproduce a Good SQL Plan [1487302.1]**

---

 ID 28432129.8


**Patch: Bug 28432129 - RMAN-06091: no channel allocated for maintenance (of an appropriate type) after installing July 2018 (DBPSU/BP/RU) [28432129.8]**

---

 ID 2370333.1


**Problem: Unable To Compile Reports In Unix:  
5898282Instance.directory5898282/config/reports/bin/reports.sh: not found. [2370333.1]**

---

 ID 2345654.1


**Bulletin: What is diagsnap resource in 12c GI and above? [2345654.1]**

---

 ID 1573428.2


**Document: Information Center: Oracle Database Resource Portfolio [1573428.2]**

---

 ID 1064487.1


**Script: Script to Collect Log File Sync Diagnostic Information (lfsdiag.sql) [1064487.1]**

---

 ID 376442.1


**FAQ: \* How To Collect 10046 Trace (SQL\_TRACE) Diagnostics for Performance Issues [376442.1]**

---

 ID 431463.1

**How To: How to Manually Apply a One-Off Patch to the JDBC Thin Driver or to the Universal Connection Pool When Oracle Client or Database Home Is Not Available To Apply the Patch via OPatch [431463.1]**

---

 ID 1418873.1


**: EM 13c, EM 12c: How to Troubleshoot Pending Status for a Database Instance Target in Enterprise Manager Cloud Control [1418873.1]**

---

 ID 2437960.1

**Problem: Java.lang.NegativeArraySizeException During Communication Via JDBC [2437960.1]**

---

 ID 2107602.1


**Reference: Things to Consider When Using Incremental Statistics [2107602.1]**

---

 ID 756671.1


**Announcement: Master Note for Database Proactive Patch Program [756671.1]**

---

 ID 854428.1


**Reference: Patch Set Updates for Oracle Products [854428.1]**

---

 ID 39817.1


**Reference: Interpreting Raw SQL\_TRACE output [39817.1]**

---

 ID 274526.1


**How To: How To Download And Install The Latest OPatch(6880880) Version [274526.1]**

---

 ID 2054286.1


**Problem: 12.1:Parallel Execution Of Datapatch during Patching or Manual upgrade fails with error "ORA-12012:ORA-20001:ORA-06512:ORA-19202:ORA-31011:LPX-00231 " [2054286.1]**

---

 ID 1439822.1


**Reference: All Java SE Downloads on MOS [1439822.1]**

---

 ID 19215058.8


**Patch: Bug 19215058 - Concurrent execution of DBMS\_QOPATCH raises ORA-12012 / ORA-20001 [19215058.8]**

---

 ID 984447.1


**Problem: ORA-13518 : "Invalid Database Id" On Call to DBMS\_WORKLOAD\_REPOSITORY Package [984447.1]**

---

 ID 2373950.1


**Problem: INACTIVE\_ACCOUNT\_TIME Doesn't Work After DB Restart [2373950.1]**

---

 ID 2285040.1

**FAQ: Release Update Introduction and FAQ [2285040.1]**

---

 ID 1671454.1


**Diagnostic Tools: SRDC - Required diagnostic data collection for RMAN duplicate [1671454.1]**

---

 ID 1472171.1

**Alert: ORA-245: In RAC environment from 11.2 onwards Backup Or Snapshot controlfile needs to be in shared location [1472171.1]**

---

 ID 10194190.8


**Patch: Bug 10194190 - Solaris: Process spin and/or ASM and DB crash if RAC instance up for > 248 days [10194190.8]**

---

 ID 21154.1


**Reference: EVENT: 10046 "enable SQL statement tracing (including binds/waits)" [21154.1]**

---

 ID 1359841.1

**Bulletin: Master Note: Plan Stability Features (Including SQL Plan Management (SPM)) [1359841.1]**

---

 ID 2147232.1


**Problem: Upgrade is slow from Pre-12c to 12c in catuposb.sql [2147232.1]**

---

 ID 459694.1


**Bulletin: Procwatcher: Script to Monitor and Examine Oracle DB and Clusterware Processes [459694.1]**

---

 ID 850320.1

**How To: How To Test The Generic Alert Log Error Metric on 10g Databases [850320.1]**

---

 ID 2010197.1

**Problem: ORA-01435 and ORA-04043 from the post patch install script of DBBP 12.1.0.2.4 [2010197.1]**

---

 ID 421600.1


**How To: EMDIAG REPVFY Kit - How to Configure the "repvfy.cfg" File [421600.1]**

---

 ID 2311386.1


**Diagnostic Tools: SRDC EEST ODA Basic Database Performance Data Collection [2311386.1]**

---

 ID 1426973.1

**Reference: EM 13c, 12c: EMDIAG REPVFY Kit for Cloud Control - Download, Install/De-Install and Upgrade [1426973.1]**

---

 ID 2433477.1


**Reference: Critical Patch Update (CPU) Program October 2018 Patch Availability Document (PAD) [2433477.1]**

---

 ID 2476468.1

**Announcement: Enterprise Manager 13.3 Master Bundle Patch List (Includes Plugins: 13.3.1) [2476468.1]**

---

 ID 1944507.1


**Problem: TDE Wallet Problem in 12c: Cannot do a Set Key operation when an auto-login wallet is present [1944507.1]**

---

 ID 401934.1

**FAQ: Starting With Oracle JDBC Drivers - Installation, Certification, and More! [401934.1]**

---

 ID 735106.1


**How To: How to Recreate a Controlfile [735106.1]**

---

 ID 2176258.1

**Problem: 12c Non-Container Database: ORA-28374 on CREATE TABLESPACE [2176258.1]**

---

 ID 1965343.1


**Bulletin: Oracle Database In-Memory Advisor [1965343.1]**

---

 ID 333742.1


**How To: How to Transfer Statistics from one Database to Another [333742.1]**

---

 ID 342764.1


**Problem: Flashback "ON" fails with ORA-38706 and ORA-38714 [342764.1]**

---

 ID 1513912.1


**Diagnostic Tools: TFA Collector - TFA with Database Support Tools Bundle [1513912.1]**

---

 ID 2219797.1

**Announcement: Enterprise Manager 13.2 Master Bundle Patch List (Includes Plugins: 13.2.1, 13.2.2, 13.2.3) [2219797.1]**

---

 ID 742060.1


**Announcement: Release Schedule of Current Database Releases [742060.1]**

---

 ID 2422509.1

**Alert: ALERT: Disable pstack Called From Diagsnap After Applying PSU/RU released between October 2017 and July 2018 to Grid Infrastructure (GI) Home on 12.1.0.2 and 12.2. [2422509.1]**

---

 ID 1579751.2


**Document: Oracle Support Accreditation Level 1 for My Oracle Support [1579751.2]**

---

 ID 21065289.8


**Patch: Bug 21065289 - DBMS\_STATS.gather\_schema\_stats fails ORA-20002 if NLS\_LENGTH\_SEMANTICS is CHAR in multibyte [21065289.8]**

---

 ID 2174762.1


**Reference: Minimum Requirements for Using the DAX [2174762.1]**

---

 ID 2147007.1

**Bulletin: Automatic Fix Control Persistence (FCP) for Database Proactive Bundle Patch [2147007.1]**

---

 ID 1385872.1


**Problem: Active Session History (ASH) Performed An Emergency Flush Messages In The Alert Log [1385872.1]**

---

 ID 160178.1


**Bulletin: How To Set EVENTS In The SPFILE [160178.1]**

---

 ID 364417.1

**How To: How Can Temporary Segment Usage Be Monitored Over Time? [364417.1]**

---

 ID 2350944.1


**Alert: T7, S7, M7, T8 and M8 Servers May Experience Degraded Performance with Cores Misprogrammed in a Reduced Power Mode [2350944.1]**

---

 ID 2097026.1


**How To: How To Setup a Rapid Home Provisioning (RHP) Server and Client [2097026.1]**

---

 ID 153788.1


**: ORA-600/ORA-7445/ORA-700 Error Look-up Tool [153788.1]**

---

 ID 1498442.1


**Bulletin: Master Note: Overview of Oracle Temporary Tablespaces [1498442.1]**

---

 ID 212391.1


**Bulletin: Index Skip Scan Feature [212391.1]**

---

 ID 1583898.1


**System Doc: Oracle Support Accreditation - Series Index [1583898.1]**

---

 ID 1915177.1


**Problem: JDBC Fails with Invalid connection string format When TNS Alias Contains Dots [1915177.1]**

---

 ID 1587427.1


**Problem: Block Corruption (ALL ZERO) detected after reclaiming space on Veritas Filesystem [1587427.1]**

---

 ID 24457597.8


**Patch: Bug 24457597 - BCT CTWR Memory Request Fails with: public DBA buffer size has already reached the maximum size [24457597.8]**

---

 ID 2187449.1


**Reference: Recommendations for Adaptive Features in Oracle Database 12c Release 1 (Adaptive Features, Adaptive Statistics & 12c SQL Performance) [2187449.1]**

---

 ID 2647078.2


**Document: Enterprise Manager 13.4 Master Release Update List (Includes Plug-ins) [2647078.2]**

---

 ID 2657045.1

**Readme: Enterprise Manager Cloud Control Database (DB) Plug-in 13.4 Release Update Bug List [2657045.1]**

---

 ID 1630755.1


**Problem: AWR shows high "gc cr grant 2-way" wait and the trace file shows that lms has not moved for more than 60 seconds [1630755.1]**

---

 ID 1071023.1

**Reference: How to Request Software Media when it is Unavailable on the Oracle Software Delivery Cloud Site [1071023.1]**

---

 ID 27314206.8


**Patch: Bug 27314206 - ORA-44201 in ADG When the Fix of Bug 23521523 is Installed [27314206.8]**

---

 ID 444164.1

**Bulletin: Tracing Parallel Execution with \_px\_trace [444164.1]**

---

 ID 2709724.1


**Bulletin: Adobe Flash End-of-Life Impact on Oracle Enterprise Manager Cloud Control [2709724.1]**

---

 ID 209768.1


**Announcement: Database, FMW, Enterprise Manager, TimesTen In-Memory Database, and OCS Software Error Correction Support Policy [209768.1]**

---

 ID 2646080.1


**How To: EM 13c: How To Upgrade Enterprise Manager 13.4 Cloud Control OMSPatcher Utility to Version 13.9.4.4.0/13.9.4.3.0/13.9.4.2.0/13.9.4.1.0 [2646080.1]**

---

 ID 2528627.1


**Problem: EM 13c: Enterprise Manager 13c Cloud Control Top Activity Page is not Available [2528627.1]**

---

 ID 25430792.8


**Patch: Bug 25430792 - ORA-12805 / ORA-07445 [kudmrf] / ORA-10387 with parallel execution [25430792.8]**

---

 ID 1275596.1

**How To: How to Tell if the I/O of the Database is Slow [1275596.1]**

---

 ID 2420120.1


**Bulletin: 18c : Datapatch New Features And Changes from 12.1 [2420120.1]**

---

 ID 227335.1


**Bulletin: Linguistic Sorting - Frequently Asked Questions [227335.1]**

---

 ID 2581627.1

**Problem: Wrong Result for ORA\_ROWSCN on 12.2 with Histograms Usage on Join Cardinality Calculations [2581627.1]**

---

 ID 161818.1


**Bulletin: Oracle Database (RDBMS) Releases Support Status Summary [161818.1]**

---

 ID 1663862.1

**: Memory Management Between ZFS and Applications in Oracle Solaris 11.x [1663862.1]**


---

 ID 283684.1




## How To: How to Modify Private Network Information in Oracle Clusterware [283684.1]

---

 ID 341788.1


**Bulletin: Recommendation for the Real Application Cluster Interconnect and Jumbo Frames [341788.1]**

---

 ID 2219763.1

**Diagnostic Tools: SRDC - Collect Data Guard Diagnostic Information [2219763.1]**

---

 ID 2064368.1

**How To: Assessing and Tuning Network Performance for Data Guard and RMAN [2064368.1]**

---

 ID 2001429.1


**Problem: REP-501 When Use Secure Password Wallet with Rwclient.sh [2001429.1]**

---

 ID 136697.1

**: hcheck.sql - Script to Check for Known Problems in Oracle8i, Oracle9i, Oracle10g, Oracle 11g and Oracle 12c [136697.1]**

---

 ID 1362445.1

**Reference: Configuring and Monitoring Instance Caging [1362445.1]**

---

 ID 301137.1


**Reference: OSWatcher (Includes: [Video]) [301137.1]**

---

 ID 207303.1


**Bulletin: Client / Server Interoperability Support Matrix for Different Oracle Versions [207303.1]**

---

 ID 415407.1


**Problem: REP-51002 when Accessing Reports Server, but it is up and Ready per Trace Files [415407.1]**

---

 ID 2256780.1


**Reference: WAITEVENT: "gc buffer busy acquire/release " Reference Note [2256780.1]**

---

 ID 1392248.1


**Bulletin: Auto-Adjustment of LMS Process Priority in Oracle RAC with 11.2.0.3 and later [1392248.1]**

---

 ID 2035898.1


**Reference: Things to Consider for 12.1.0.2 to Avoid Problems with SQL Plan Management (SPM) [2035898.1]**

---

 ID 76629.1

**Bulletin: Overview and Configuration of Oracle Network Encryption [76629.1]**

---

 ID 1561792.2


**Document: Troubleshooting Assistant: Patching Oracle Database/Client [1561792.2]**

---

 ID 2070662.1


**Problem: REP-69 REP-56133 Errors When Trying to Run Reports With DESTYPE=FILE in Reports 12c [2070662.1]**

---

 ID 314422.1


**Diagnostic Tools: Remote Diagnostic Agent (RDA) - Getting Started [314422.1]**

---

 ID 2550798.1

**Diagnostic Tools: Autonomous Health Framework (AHF) - Including TFA and ORAchK/EXAchK [2550798.1]**

---

 ID 2485457.1

**Readme: AutoUpgrade Tool [2485457.1]**

---

 ID 1619155.1


**Bulletin: Best Practices and Recommendations for RAC databases with SGA size over 100GB [1619155.1]**

---

 ID 223117.1


**: Troubleshooting I/O Related Waits [223117.1]**

---

 ID 1628949.1

**Problem: Alert Log Errors: 12170 TNS-12535/TNS-00505: Operation Timed Out [1628949.1]**

---

 ID 2443466.1


**Problem: Oracle 12.2.0.1 CBO calculating high cost/CPU for queries with recursive sub-query [2443466.1]**

---

 ID 1400903.1

**How To: Directing Plans with Baselines/Profiles Using coe\_load\_sql\_baseline.sql / coe\_load\_sql\_profile.sql (shipped with SQLT) [1400903.1]**

---

 ID 1457357.1


**Bulletin: ORAchk Upgrade Readiness Assessment [1457357.1]**

---

 ID 1443482.1


**: Troubleshooting "Global Enqueue Services Deadlock detected" [1443482.1]**

---

 ID 2580773.1

**Bulletin: Usage Of ASH Analytics In EM 13.3 PG & 13.4 Releases [2580773.1]**

---

 ID 2539778.1


**Bulletin: Oracle 19c - Complete Checklist for Manual Upgrades to Non-CDB Oracle Database 19c [2539778.1]**

---

 ID 470211.1

**How To: How To Gather & Backup ASM/ACFS Metadata In A Formatted Manner version 10.1, 10.2, 11.1, 11.2, 12.1, 12.2, 18.x and 19.x [470211.1]**

---

 ID 1919.2


**Document: 19c Database Self-Guided Upgrade with Best Practices [1919.2]**

---

 ID 2097173.1


**Problem: ORA-15040: Diskgroup Is Incomplete When Creating a New Database If nosuid is Set. [2097173.1]**

---

 ID 736755.1

**How To: How To Calculate The Required Network Bandwidth Transfer Of Redo In Data Guard Environments [736755.1]**

---

 ID 2702019.1


**Problem: EM 13.4: OMS Java Process Consuming High CPU and Causing Console Slowness / OMS Hung Intermittently [2702019.1]**

---

 ID 2747530.1


**Problem: JDBC Connection Fails With SEVERE: IO Error: Connection Reset By Peer, Connect Lapse 1 Ms., Authentication Lapse 0 Ms. [2747530.1]**

---

 ID 27554103.8


**Patch: Bug 27554103 - Opatchauto fails due to Prereq "CheckActiveFilesAndExecutables" and not Writable Binary (Permission denied) [27554103.8]**

---

 ID 2284906.1

**Problem: datapatch fails with Error:"ORA-22973: size of object identifier exceeds maximum size allowed" [2284906.1]**

---

 ID 2524766.1

**Problem: Unified Audit Log Cannot Be Purged Based On Last Archive Timestamp When Existing PART\_n Partition Under CLI\_SWP\$xxxx [2524766.1]**

---