INFORME FINANCIERO DE ACTIVIDADES Correspondiente al Periodo Comprendido entre el **27 de diciembre de 2024 y el 07 de julio de 2025**	
INFORMACIÓN GENERAL DEL CONTRATO	
No. de Contrato y año de	1760 de 2024
Objeto:	ADQUISICIÓN DE CUATRO (4) "LICENCIAS ORACLE STANDARD EDITION 2 – PROCESSOR PERPETUAL" Y SERVICIOS PROFESIONALES PARA LA CONFIGURACIÓN Y PUESTA EN MARCHA DEL SERVIDOR ODA DEL DEPARTAMENTO DEL HUILA
Valor del Contrato:	$451.650.220 - CUATROCIENTOS CINCUENTA Y UN MILLONES SEISCIENTOS CINCUENTA MIL DOSCIENTOS VEINTE PESOS M/CTE
Plazo Total:	TRES MESES CONTADOS A PARTIR DE LA SUSCRIPCIÓN DEL ACTA DE INICIO.
Fecha Inicio:	27/12/2024
Fecha Terminación:	07/07/2025
Forma de Pago:	El Departamento pagará al contratista el valor total del contrato una vez recibido a satisfacción el objeto del mismo, previa certificación de cumplimiento expedido por el supervisor del contrato, suscripción del acta de recibo final y comprobante de ingreso de los insumos al almacén de la Secretaría de Salud del Departamento.
Pago:	FINAL
Valor del presente pago:	CUATROCIENTOS CINCUENTA Y UN MILLONES SEISCIENTOS CINCUENTA MIL DOSCIENTOS VEINTE PESOS M/CTE.
Entidad Contratante:	DEPARTAMENTO DEL HUILA – SECRETARIA GENERAL.
Nombre del contratista:	UNIÓN TEMPORAL GLOBALCROWD 2024
CC / Nit.:	NIT 901898978-1

Durante un el periodo del 27 de diciembre de 2024 al 07 de julio de 2025, la Gobernación del Huila a través de la supervisión del contrato requirió un PAGO FINAL por valor de **CUATROCIENTOS CINCUENTA Y UN MILLONES SEISCIENTOS CINCUENTA MIL DOSCIENTOS VEINTE PESOS ($451.650.220) M/CTE,** de acuerdo a la siguiente relación así:

VALORES UNITARIOS SEGÚN PRODUCTO DE MERCADO ENTREGADO:

ITEM	PRODUCTO	CANTIDAD	VALOR UNITARIO	VALOR TOTAL
1	Licencia Oracle Database Standard Edition 2 - Processor Perpetual - Para servidor ODA Actual, incluye Un año de soporte	4	$85.522.000	$342.088.000
2	Servicios profesionales de instalación, migración y configuración de licencias Oracle	100	$374.500	$37.450.000
VALOR SUBTOTAL SIN IVA (19.00%)				$ 379.538.000
VALOR DEL IVA (19.00%)				$ 72.112.220
VALOR TOTAL				$451.650.220

ESTADO FINANCIERO DEL CONTRATO

DESCRIPCIÓN	VALOR	SALDO
VALOR DEL CONTRATO	$451.650.220	$451.650.220
VALOR A PAGAR ACTA FINAL	$451.650.220	$0
VALOR PENDIENTE DE PAGO	$451.650.220	$0
VALOR TOTAL EJECUTADO:	$451.650.220	$0
SALDO A FAVOR DEL DEPARTAMENTO	$00.00	$00.00

DIANA CAROLINA JIMÉNEZ MAHECHA
RL- UNIÓN TEMPORAL GLOBALCROWD 2024
CONTRATISTA

RICARDO QUINTERO ROJAS
SUPERVISOR

Bogotá D.C., julio 9 de 2025

Señores
GOBERNACION DEL HUILA
Atención: Ingeniero Ricardo Quintero
Supervisor de Contrato
Neiva

ASUNTO: Entrega Final Contrato No. 1760 DE 2024

Apreciados Señores;

Con la presente hacemos entrega de la documentación de soporte a la finalización del contrato del asunto. Adjuntando los siguientes documentos:

1. Cronograma de actividades (Corresponde al Anexo 2 del informe)
2. Certificados de Paz y Salvo en Aporte al sistema de seguridad social de las dos empresas
3. Registro Ùnico Tributario de la Unión Temporal
4. Certificaciòn Bancaria de la cuenta de la Unión Temporal
5. Certificación de composición de capital de la Unión Temporal
6. INFORME FINAL CTO 1760 2024
   - ANEXO 1. Certificado Titularidad
   - ANEXO 2. PLAN DE TRABAJO CTO 1760 DE 2024
   - ANEXO 3. Documento Actividades Previas a Re-image ODA
   - ANEXO 4. Documento Actividades - Re-Image del ODA X5-2HA
7. Factura Electrónica No. No. GC 1, la cual fué radicada a los correos electrónicos correspondientes

Quedamos atentos a cualquier inquietud al respecto.

Cordialmente,

DIANA CAROLINA JIMENEZ MAHECHA
Representante Legal
UNION TEMPORAL GLOBALCROWD 2024

ANEXO 2.

PLAN DE TRABAJO ACTIVIDADES CONTRATO 1760 DE 2024

#	Actividad	Descripcion	Fecha
1	Revision del ODA	Revisión del ODA para recopilar información de los archivos de configuración, redes, scripts, tareas programadas, software instalado, file systems configurados, usuarios creados, BDs existentes y hacer un checklist de archivos a respaldar y recuperar, y los responsables de las actividades.	Entre el 14 y 20 de mayo de 2025
2	Confirmacion de la info de redes	Determinar las IPs y hostnames para el ODA post-re-image Baremetal; si se decide cambiar los nombres y/o IPs para el nuevo ambiente se deben realizar la modificación de los registros de DNS.	Desde el 14 de mayo Finaliza con Ventans de mantenimiento que inicia Viernes 4 de julio desde 5 pm
3	Descargar los Medios de Instalacion	Conectarse al portal de Oracle con la cuenta del cliente y descargar los medios de instalación certificadas para la generacion de ODA que tiene la entidad y según los requerimientos de versiones de motor de BD Oracle que requiere para el Re-Image Baremetal del ODA; verificación de los archivos.	En proceso. Finalizar Viernes 4 de julio desde 5 pm
4	Respaldo de archivos de configuracion	Realizar la copia de los archivos de configuración del ODA necesarios para utilizar posterior al Re-Image	Viernes 4 de julio desde 6 pm
5	Backup Full - RMAN	Relizar el backup full con **RMAN** de UNA BD que tienen en el ODA; verificación del backup generado; comprimir y copiar los backups fuera del ODA	Viernes 4 de julio desde 6 pm
6	Backup Full - EXPDP	Realizar el export full con **EXPDP** de UNA BD del ODA; verificación del DMP generado; comprimir y copiar los exports fuera del ODA; preparación de scripts para la importación de data mas adelante	Viernes 4 de julio desde 6 pm
7	Verificacion de los backups copiados	Verificar los backups copiados fuera del ODA que no estén corruptos y son restaurables	Viernes 4 de julio desde 6 pm
8	ODA Re-Image Baremetal	Verificación de estado de HW del ODA previo a la actividad (acceso a iLOM) Cleanup de la configuración actual Re-image del ODA con la versión soportada según el requerimiento del cliente Configuración de los cores segun el licenciamiento DBSE2; Despliegue de los Oracle Homes 19c y 12cR2 Standard Edition 2 Creación de las BDs necesarias en 12cR2 y 19c Preubas funcionales del ODA HA Envio de cadenas de conexiones de las BDs al cliente Reinicio de confianza	Sábado 5 julio todo el día
9	Copiar los Backups al ODA	Restauracion de las BDs al ODA - Copiar el DMP del export full de UNA BD al ODA; realizar la verificación y descompresión de los archivos copiados - Preparacion del ODA para realizar la migracion un total de CUATRO BDs de Oracle al ODA	Sábado 5 julio todo el día
10	Realizar Import de data a las BDs del ODA	Realizar las actividades de preparación para IMPDP de los esquemas para CUATRO BDs - Creación de Tablespaces - Creación de Profiles - Creación de Roles - Creación de Users - Realizar el import de los esquemas - Realizar compilación de los objetos de los esquemas importados (Equipo de APPs de la entidad) - Verificación de conectividad con las aplicaciones (Equipo de APPs de la entidad) - Pruebas funcionales de las aplicaciones (Equipo de APPs de la entidad)	Domingo 6 de julio, Todo el día

EL SUSCRITO REPRESENTANTE LEGAL DE LA
UNIÓN TEMPORAL GLOBALCROWD 2024

CERTIFICA:

Que la Unión Temporal GLOBALCROWD 2024 con NIT 901.898.978-1, no tiene personal contratado por la modalidad de contrato de nómina o prestación de servicios por lo cual, no realiza aportes a la seguridad social.

Se expide la presente certificación, a los ocho (8) días del mes de Julio de 2025.

Cordialmente,

UNIÓN TEMPORAL GLOBALCROWD 2024
NIT 901.898.978-1

DIANA CAROLINA JIMENEZ MAHECHA
CC-52.702.654 de Bogotá
Representante Legal

DEPARTAMENTO DEL HUILA

INFORME FINAL

CONTRATO 1760 DE 2024

UNION TEMPORAL GLOBALCROWD 2024

"ADQUISICION DE CUATRO (4) LICENCIAS ORACLE DATABASE STANDARD EDITION 2 - PROCESSOR PERPETUAL Y SERVICIOS PROFESIONALES PARA CONFIGURACION Y PUESTA EN MARCHA DEL SERVIDOR ODA DEL DEPARTAMENTO DEL HUILA"

Julio 9 de 2025

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1. GENERALIDADES DEL PROYECTO

CONTRATO No. 1760 DE 2024

OBJETO DEL CONTRATO: "ADQUISICION DE CUATRO (4) LICENCIAS ORACLE DATABASE STANDARD EDITION 2 PROCESSOR PERPETUAL Y SERVICIOS PROFESIONALES PARA CONFIGURACION Y PUESTA EN MARCHA DEL SERVIDOR ODA DEL DEPARTAMENTO DEL HUILA"

FECHA DE INICIO: 27/12/2024
FECHA DE SUSPENSIÓN: 10/01/2025
FECHA DE REINICIO: 21/04/2025

2. ITEMS CONTRATADOS

#	Descripción Producto	Cantidad
1	Licencias Oracle Database Standard Edition 2 - Processor Perpetual - 1 year support	4
2	Servicios profesionales de instalación, migración y configuración de licencias Oracle	100 horas

3. DESCRIPCION DE LAS ACTIVIDADES REALIZADAS

3.1. ENTREGA DE LAS LICENCIAS

Las cuatro (4) licencias contratadas fueron entregadas a la Gobernación en el mes de mayo, a través de correo electrónico, con las siguientes características:

CODIGO CSI: 100603899

Descripción	Término	Cantidad	Fecha inicio soporte	Fecha final soporte
Oracle Database Standard Edition 2 – Procesador perpetuo	1 año	4	21-mayo-2025	20-mayo-2026

En el **ANEXO 1. Certificado de Titularidad**, se adjunta el certificado de titularidad correspondiente a las licencias adquiridas en el cual se evidencian las fechas de inicio y finalización del soporte por parte del fabricante Oracle

ORACLE

Calle 127 A No. 53A-45 - Torre 2,
Piso 9 - Bogota, Colombia

Bogota, Colombia, 29-MAY-25

Estimado **GOBERNACION DEL HUILA,**

Para efectos exclusivamente informativos y en virtud de la orden de pedido presentada por nuestro distribuidor autorizado **IT CROWD S.A.S** , usted es titular de las siguientes licencias de programas Oracle:

Program Name	License Type	Quantity
L103399 - Oracle Database Standard Edition 2	Processor Perpetual	4
A97163 - Software Update License & Support		4

Sin otro particular, aprovechamos la ocasión de enviarle un cordial saludo.

Atentamente,

Signed by:
María Andrea Rueda A.

Oracle Colombia Limitada
Maria Andrea Rueda Alvarez
Apoderada

3.2. ENTREGA DE LOS SERVICIOS PROFESIONALES CONTRATADOS

Las actividades contratadas se desarrollaron conforme con el plan de trabajo del **ANEXO 2. Plan de Trabajo CTO 1760 de 2024**

La Tabla siguiente se muestra el detalle de los Servicios profesionales contratados y su porcentaje de ejecución

#	Actividad	Descripcion	Fecha	Avance
1	Revision del ODA	Revisión del ODA para recopilar información de los archivos de configuración, redes, scripts, tareas programadas, software instalado, file systems configurados, usuarios creados, BDs existentes y hacer un checklist de archivos a respaldar y recuperar, y los responsables de las actividades.	Entre el 14 y 20 de mayo de 2025	100%
2	Confirmacion de la info de redes	Determinar las IPs y hostnames para el ODA post-re-image Baremetal; si se decide cambiar los nombres y/o IPs para el nuevo ambiente se deben realizar la modificación de los registros de DNS.	Desde el 14 de mayo Finaliza con Ventana de mantenimiento de Viernes 4 de julio desde 5 pm	100%
3	Descargar los Medios de Instalacion	Conectarse al portal de Oracle con la cuenta del cliente y descargar los medios de instalación certificadas para la generacion de ODA que tiene la entidad y según los requerimientos de versiones de motor de BD Oracle que requiere para el Re-Image Baremetal del ODA; verificación de los archivos.	Desde 14 de mayo y finaliza Viernes 4 de julio desde 5 pm	100%
4	Respaldo de archivos de configuracion	Realizar la copia de los archivos de configuración del ODA necesarios para utilizar posterior al Re-Image	Viernes 4 de julio desde 6 pm	100%
5	Backup Full - RMAN	Relizar el backup full con **RMAN** de UNA BD que tienen en el ODA; verificación del backup generado; comprimir y copiar los backups fuera del ODA	Viernes 4 de julio desde 6 pm	100%
6	Backup Full - EXPDP	Realizar el export full con **EXPDP** de UNA BD del ODA; verificación del DMP generado; comprimir y copiar los exports fuera del ODA; preparación de scripts para la importación de data mas adelante	Viernes 4 de julio desde 6 pm	100%
7	Verificacion de los backups copiados	Verificar los backups copiados fuera del ODA que no estén corruptos y son restaurables	Viernes 4 de julio desde 6 pm	100%
8	ODA Re-Image Baremetal	Verificación de estado de HW del ODA previo a la actividad (acceso a iLOM) Cleanup de la configuración actual Re-image del ODA con la versión soportada según el requerimiento del cliente Configuración de los cores segun el licenciamiento DBSE2; Despliegue de los Oracle Homes 19c y 12cR2 Standard Edition 2 Creación de las BDs necesarias en 12cR2 y 19c Preubas funcionales del ODA HA Envio de cadenas de conexiones de las BDs al cliente Reinicio de confianza	Sábado 5 julio	100%
9	Copiar los Backups al ODA	Restauracion de las BDs al ODA - Copiar el DMP del export full de UNA BD al ODA; realizar la verificación y descompresión de los archivos copiados - Preparacion del ODA para realizar la migracion un total de CUATRO BDs de Oracle al ODA	Sábado 5 julio	100%
10	Realizar Import de data a las BDs del ODA	Realizar las actividades de preparación para IMPDP de los esquemas para CUATRO BDs - Creación de Tablespaces - Creación de Profiles - Creación de Roles - Creación de Users - Realizar el import de los esquemas - Realizar compilación de los objetos de los esquemas importados (Equipo de APPs de la entidad) - Verificación de conectividad con las aplicaciones (Equipo de APPs de la entidad) - Pruebas funcionales de las aplicaciones (Equipo de APPs de la entidad)	Sábado 5 de julio	100%

La evidencia de las actividades 1 y 2 de Revisión del ODA y confirmación de la información de redes se entrega en el **ANEXO 3. Documento Actividades Previas a Re-image ODA**

La evidencia de las actividades ejecutadas durante la Ventana de mantenimiento, se entrega en el **ANEXO 4. Documento Actividades - Re-Image del ODA X5-2HA,** en el cual se detallan todos los precedimientos realizados para el Re-image del ODA, la instalación, migración y configuración de las licencias adquiridas.

ANEXO 4

DOCUMENTO DE ACTIVIDADES DE RE-IMAGE ODA X5-2HA:

INSTALACIÓN, MIGRACIÓN Y CONFIGURACIÓN DE LICENCIAS ORACLE

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1. Conteo de los objetos invalidos previo al export de la data al ODA 12.1

```
select OWNER, OBJECT_TYPE, OBJECT_NAME, CREATED, LAST_DDL_TIME, STATUS, ORACLE_MAINTAINED
from all_objects
where status = 'INVALID' and ORACLE_MAINTAINED = 'N'
order by OWNER, OBJECT_TYPE
```

cript Output x | Query Result x

SQL | All Rows Fetched: 17 in 0.205 seconds

	OWNER	OBJECT_TYPE	OBJECT_NAME	CREATED	LAST_DDL_TIME	STATUS	ORACLE_MAINTAINED
1	SDE	TRIGGER	TG_SPATIAL_REF_AUTH_SRID	09-SEP-2019 15:54:44	09-SEP-2019 15:54:44	INVALID	N
2	SDE	TRIGGER	GDB_REP_LOG_TR	09-SEP-2019 15:54:49	09-SEP-2019 15:54:49	INVALID	N
3	SDE	TRIGGER	LAST_EDIT_TIME_INSERT_TG	09-SEP-2019 15:54:20	09-SEP-2019 15:54:20	INVALID	N
4	SIFA	FUNCTION	QUEST_SL_REPOS_SAVE	03-JUN-2018 09:54:33	03-JUN-2018 09:57:55	INVALID	N
5	SIFA	PACKAGE	QUEST_SL_SCHEDULED_COLLECTOR	03-JUN-2018 09:54:33	03-JUN-2018 09:54:33	INVALID	N
6	SIFA	PACKAGE BODY	QUEST_SL_SCHEDULED_COLLECTOR	03-JUN-2018 09:56:26	03-JUN-2018 09:56:26	INVALID	N
7	SIFA	PACKAGE BODY	QUEST_SL_ERRORS_PKG	03-JUN-2018 09:56:26	03-JUN-2018 09:56:26	INVALID	N
8	SIFA	PROCEDURE	QUEST_SL_REPOS_ROLE	03-JUN-2018 09:54:33	03-JUN-2018 09:57:55	INVALID	N
9	SIFA	VIEW	TESO_VI_IMPORCONCE	03-JUN-2018 09:54:39	29-OCT-2024 10:48:57	INVALID	N
10	SIFA	VIEW	TESO_VI_IMPORMOVIM	03-JUN-2018 09:54:39	03-JUN-2018 09:57:55	INVALID	N
11	SIFA	VIEW	PRES_VI_FUENTUSOS	03-JUN-2018 09:54:34	03-JUN-2018 09:57:55	INVALID	N
12	SIFA	VIEW	TRAZ_VI_TEMPOCI030	03-JUN-2018 09:54:40	19-NOV-2019 18:13:51	INVALID	N
13	SIFA	VIEW	TESO_VI_IMPORFINAN	03-JUN-2018 09:54:39	20-MAY-2025 10:24:57	INVALID	N
14	SIFA	VIEW	TESO_VI_IMPORDEPEN	03-JUN-2018 09:54:39	03-JUN-2018 09:57:55	INVALID	N
15	SIFA	VIEW	TESO_VI_MOVIMANTER	03-JUN-2018 09:54:34	03-JUN-2018 09:54:34	INVALID	N
16	SIFA	VIEW	PRES_VI_CONSURESER	21-JUL-2021 08:03:16	21-JUL-2021 08:03:16	INVALID	N
17	SIFA	VIEW	TRAZ_VI_TEMPOCARTE	03-JUN-2018 09:54:39	04-NOV-2020 11:48:01	INVALID	N

2. Generacion del Backup con EXPDP

```
[root@saladoblanco exports]# head full_orahuila_04072025.log
;;;
Export: Release 12.1.0.2.0 - Production on Fri Jul 4 17:03:30 2025

Copyright (c) 1982, 2014, Oracle and/or its affiliates.  All rights reserved.
;;;
Connected to: Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 - 64bit Production
With the Real Application Clusters option
Starting "SYSTEM"."JOB_04072025":  system/********@orahuila full=y directory=backup dumpfile=full_orahuila_04072025.dmp logfile=
full_orahuila_04072025.log job_name=job_04072025
Estimate in progress using BLOCKS method...
Processing object type DATABASE_EXPORT/EARLY_OPTIONS/VIEWS_AS_TABLES/TABLE_DATA
[root@saladoblanco exports]#
```

```
[root@saladoblanco exports]# tail !$
tail full_orahuila_04072025.log
. . exported "SIFA"."PRES_TEMPOARCHI"                    0 KB       0 rows
. . exported "SIFA"."SEGU_REGISAUDIT"                    0 KB       0 rows
. . exported "SIFA"."SEGU_USUARENCAR"                    0 KB       0 rows
. . exported "SIFA"."TESO_CONCEVIGEN"                    0 KB       0 rows
. . exported "SIFA"."TESO_TEMPOPAGAR"                    0 KB       0 rows
Master table "SYSTEM"."JOB_04072025" successfully loaded/unloaded
******************************************************************************
Dump file set for SYSTEM.JOB_04072025 is:
  /u01/app/oracle/fast_recovery_area/datastore/exports/full_orahuila_04072025.dmp
Job "SYSTEM"."JOB_04072025" successfully completed at Fri Jul 4 17:21:57 2025 elapsed 0 00:18:25
[root@saladoblanco exports]#
```

3. Generacion del Backup con RMAN

```
[root@saladoblanco RMAN_backup]# cat cold_rman.sh
#!/bin/bash

rman target / <<EOF
RUN {
  ALLOCATE CHANNEL ch1 DEVICE TYPE DISK;
  ALLOCATE CHANNEL ch2 DEVICE TYPE DISK;

  BACKUP AS COMPRESSED BACKUPSET DATABASE
    FORMAT '/u01/app/oracle/fast_recovery_area/datastore/exports/RMAN_backup/cold_rman_%U.bkp'
    TAG='COLD_RAC_BKP';

  BACKUP CURRENT CONTROLFILE
    FORMAT '/u01/app/oracle/fast_recovery_area/datastore/exports/RMAN_backup/controlfile_%U.bkp';

  BACKUP SPFILE
    FORMAT '/u01/app/oracle/fast_recovery_area/datastore/exports/RMAN_backup/spfile_%U.bkp';

  RELEASE CHANNEL ch1;
  RELEASE CHANNEL ch2;
}
EOF

[root@saladoblanco RMAN_backup]#
```

```
[oracle@saladoblanco RMAN_backup]$ ls -ltrh
total 65G
-rw-r--r-- 1 oracle oinstall  579 Jul  4 18:43 cold_rman.sh
-rw-r----- 1 oracle oinstall 7.1G Jul  4 19:06 cold_rman_033to66t_1_1.bkp
-rw-r----- 1 oracle oinstall  22G Jul  4 19:52 cold_rman_023to66t_1_1.bkp
-rw-r----- 1 oracle oinstall 880M Jul  4 19:56 cold_rman_053toa8a_1_1.bkp
-rw-r----- 1 oracle oinstall  24G Jul  4 20:23 cold_rman_043to7ir_1_1.bkp
-rw-r----- 1 oracle oinstall 337M Jul  4 20:24 cold_rman_073toc1r_1_1.bkp
-rw-r----- 1 oracle oinstall 681M Jul  4 20:26 cold_rman_083toc3s_1_1.bkp
-rw-r----- 1 oracle oinstall 1.2M Jul  4 20:26 cold_rman_093toc76_1_1.bkp
-rw-r----- 1 oracle oinstall  96K Jul  4 20:26 cold_rman_0a3toc7a_1_1.bkp
-rw-r----- 1 oracle oinstall  11G Jul  4 20:29 cold_rman_063toag0_1_1.bkp
[oracle@saladoblanco RMAN_backup]$
```

4. Cleanup desde el ODA BASE

```
[root@saladoblanco ~]# /opt/oracle/oak/onecmd/cleanupDeploy.pl

Please enter the root password for performing the cleanup :
Re-enter root password:
About to clear OAK deployment. Public network connectivity will be lost and root password will be set to default

Both nodes will be rebooted.
Do you want to continue (yes/no) : yes
Checking for any running DomUs on the system
Setting up SSH for root
INFO   : Logging all actions in the file /opt/oracle/oak/onecmd/tmp/saladoblanco-20250704211652.log and traces i
INFO   : Loading the configuration file /opt/oracle/oak/onecmd/onecommand.params...
INFO   : Creating the node list files...
================================================================================
INFO   : 2025-07-04 21:16:53
INFO   : Step 1  SetupSSHroot
INFO   : Setting up ssh for root...
INFO   : Setting up SSH across the Private Network...
...........Completed
INFO   : Running as root: /usr/bin/ssh -l root 192.168.16.27 /root/DoAllcmds.sh
INFO   : Background process 47096 (node: 192.168.16.27) gets done with the exit code 0
INFO   : Running as root: /usr/bin/ssh -l root 192.168.16.28 /root/DoAllcmds.sh
INFO   : Background process 47118 (node: 192.168.16.28) gets done with the exit code 0
INFO   : Setting up SSH completed successfully
INFO   : Running the command /usr/bin/rsync -tarqvz /opt/oracle/oak/onecmd/ root@192.168.16.28:/opt/oracle/oak/o
necmd --exclude=*zip --exclude=*gz --exclude=*log --exclude=*trc --exclude=*rpm to sync directory</opt/oracle/oa
k/onecmd> on node <192.168.16.28>
SUCCESS: Ran /usr/bin/rsync -tarqvz /opt/oracle/oak/onecmd/ root@192.168.16.28:/opt/oracle/oak/onecmd --exclude=
*zip --exclude=*gz --exclude=*log --exclude=*trc --exclude=*rpm and it returned: RC=0

INFO   : Time in SetupSSHroot is 21 seconds.
.........Completed
INFO   : Did not do scp for node : saladoblanco
INFO   : Running as root: /usr/bin/ssh -l root saladoblanco /root/DoAllcmds.sh
INFO   : Background process 47493 (node: saladoblanco) gets done with the exit code 0
INFO   : Running as root: /usr/bin/ssh -l root timana /root/DoAllcmds.sh
INFO   : Background process 47517 (node: timana) gets done with the exit code 0
INFO   : Did not do scp for node : saladoblanco
INFO   : Running as root: /usr/bin/ssh -l root saladoblanco /opt/oracle/oak/onecmd/tmp/DoAllcmds-20250704211737.
sh
INFO   : Running as root: /usr/bin/ssh -l root timana /opt/oracle/oak/onecmd/tmp/DoAllcmds-20250704211737.sh
INFO   : Background process 47522 (node: saladoblanco) gets done with the exit code 0
INFO   : Background process 47541 (node: timana) gets done with the exit code 0
INFO   : Time spent in step 1 SetupSSHroot is 44 seconds.
================================================================================
INFO   : The Log file is /opt/oracle/oak/onecmd/tmp/saladoblanco-20250704211652.log...
Exiting...
================================================================================
INFO   : STEP 2  SetupPrivSSHroot
INFO   : Skipping since STEP 1 is successfull..............
================================================================================
Uninstalling ASR
INFO   : Logging all actions in the file /opt/oracle/oak/onecmd/tmp/saladoblanco-20250704211738.log and traces i
n the file /opt/oracle/oak/onecmd/tmp/saladoblanco-20250704211738.trc
INFO   : Loading the configuration file /opt/oracle/oak/onecmd/onecommand.params...
INFO   : Creating the node list files...
================================================================================
INFO   : 2025-07-04 21:17:39
INFO   : Step 3  deinstallASR
spawn /opt/asrmanager/bin/asr unregister
```

```
INFO    : Loading the configuration file /opt/oracle/oak/onecmd/onecommand.params...
INFO    : Creating the node list files...
================================================================================
INFO    : 2025-07-04 21:27:29
INFO    : Step 13  reboot
INFO    : Running as root: /usr/bin/ssh -l root 192.168.16.28 /opt/oracle/oak/onecmd/tmp/reboot.sh
INFO    : Background process 61111 (node: 192.168.16.28) gets done with the exit code 0
INFO    : Running as root: /usr/bin/ssh -l root 192.168.16.27 /opt/oracle/oak/onecmd/tmp/reboot.sh

Broadcast message from root@saladoblanco
        (unknown) at 21:27 ...

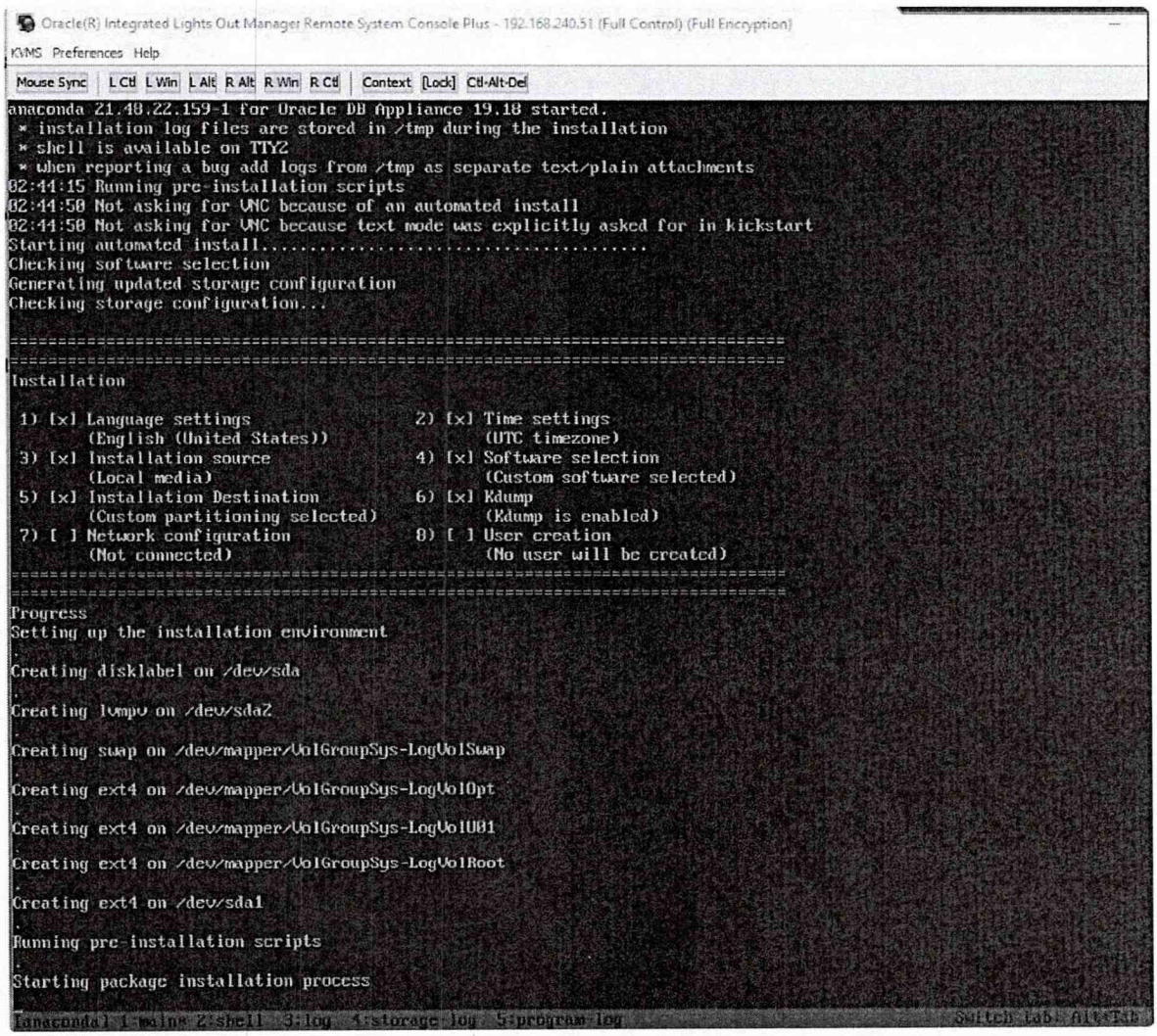
The system is going down for reboot NOW!
INFO    : Background process 61248 (node: 192.168.16.27) gets done with the exit code 0
INFO    : Time spent in step 13 reboot is 27 seconds.
================================================================================
INFO    : The Log file is /opt/oracle/oak/onecmd/tmp/saladoblanco-20250704212728.log...
Exiting...
[root@saladoblanco ~]#
```

5. Cleanup de ODA desde Dom0

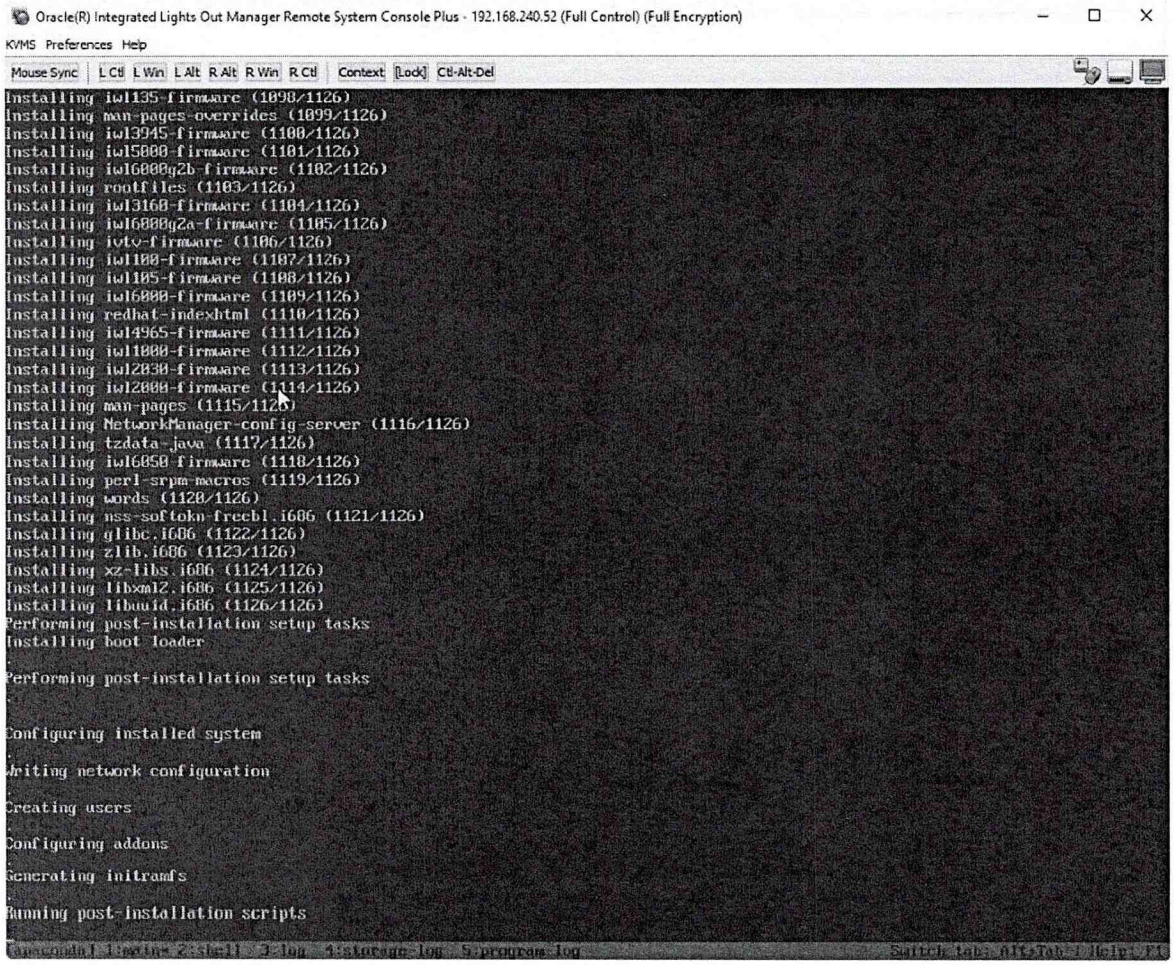
```
[root@bruselas ~]# /opt/oracle/oak/tools/cleanOdabase.py
Do you really want to clean up the ODA base domain and reset public network? (yes/no)[no] yes
INFO: Spawned the process 12469 in the deployment node 0
INFO: Spawned the process 12470 in the node 1
FIPS integrity verification test failed.
FIPS integrity verification test failed.
INFO: Removing the Odabase conf file
INFO: Removed the Odabase conf file
INFO: Removing the Odabase conf file
INFO: Removed the Odabase conf file
INFO: Stopping ODA base domain...
INFO: Stopping all the shared repos
INFO: Stopping ODA base domain...
INFO: Stopping all the shared repos
INFO: Deleting the autostart link
INFO: Deleted the autostart link
INFO: Deleting the ODA base repository
INFO: Deleting the autostart link
INFO: Deleted the autostart link
INFO: Deleting the ODA base repository
INFO: Deleted the ODA base repository
INFO: Deleting the cpu pool files
INFO: Deleted the cpu pool files
INFO: Restarting oakVmAgent process
INFO: Restarted oakVmAgent process
INFO: Resetting network configuration...
INFO: Resetting network configuration done!
INFO: Restarting Network, public connectivity will be lost
Shutting down interface net1:  [  OK  ]
Shutting down interface net2:  [  OK  ]
Shutting down interface vbr1:  [  OK  ]
Shutting down interface bond0:  [  OK  ]
Shutting down interface bond1:  [  OK  ]
Shutting down interface ib0:  [  OK  ]
Shutting down interface ib1:  [  OK  ]
Shutting down interface ibbond0:  [  OK  ]
Shutting down loopback interface:  [  OK  ]
Bringing up loopback interface:  [  OK  ]
Bringing up interface bond0:  [  OK  ]
Bringing up interface bond1:  [  OK  ]
Bringing up interface ibbond0:  Determining if ip address 192.168.16.25 is already in use for device ibbond0...
[  OK  ]
Bringing up interface net1:  [  OK  ]
Bringing up interface net2:  [  OK  ]
Bringing up interface vbr1:  Determining if ip address 192.168.19.1 is already in use for device vbr1...
[  OK  ]
INFO: Deleted the ODA base repository
INFO: Deleting the cpu pool files
INFO: Deleted the cpu pool files
INFO: Restarting oakVmAgent process
INFO: Restarted oakVmAgent process
INFO: Resetting network configuration...
INFO: Resetting network configuration done!
INFO: Restarting Network, public connectivity will be lost
Shutting down interface net1:
Network error: Software caused connection abort
```

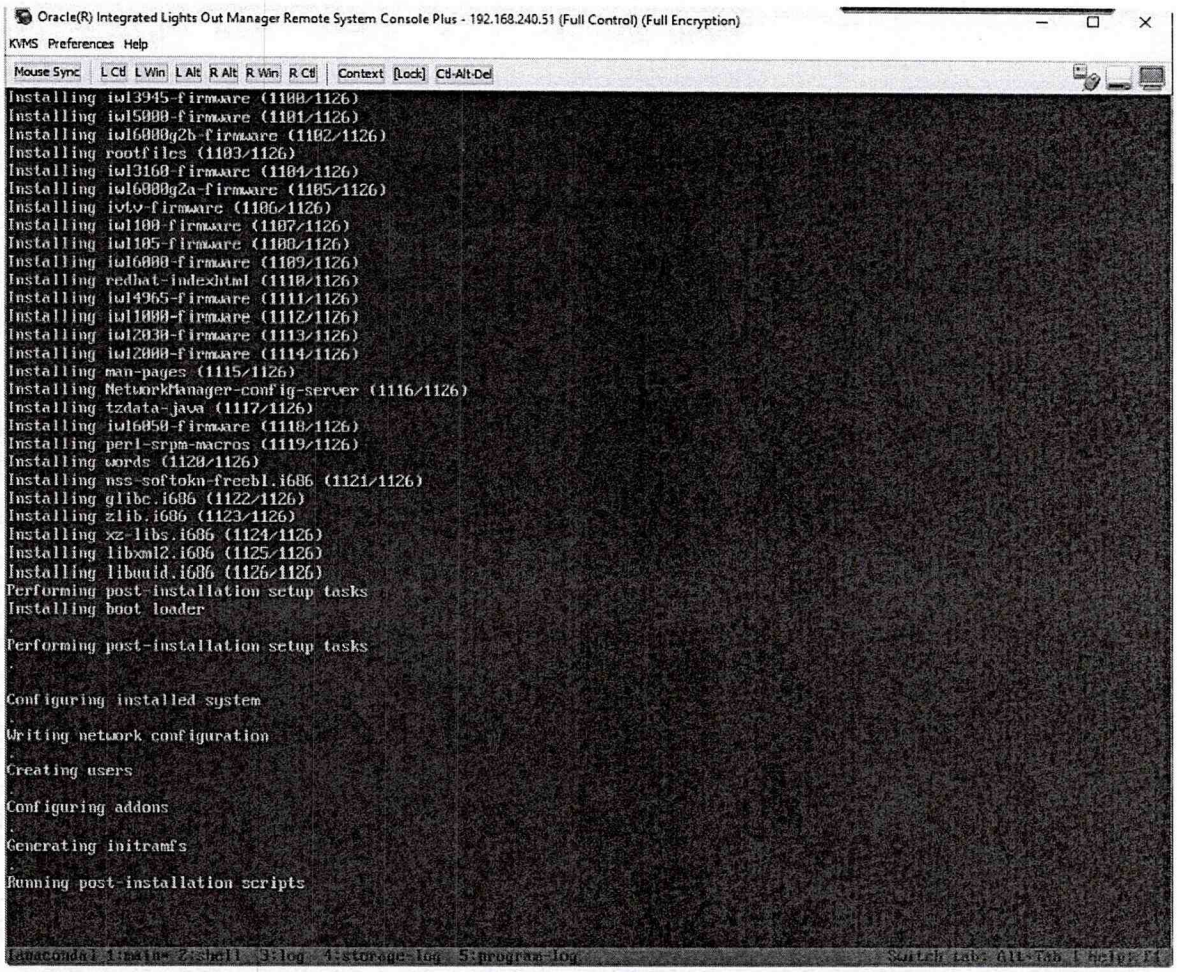
6. Re-Image del ODA con ODA 19.18

Nodo-0

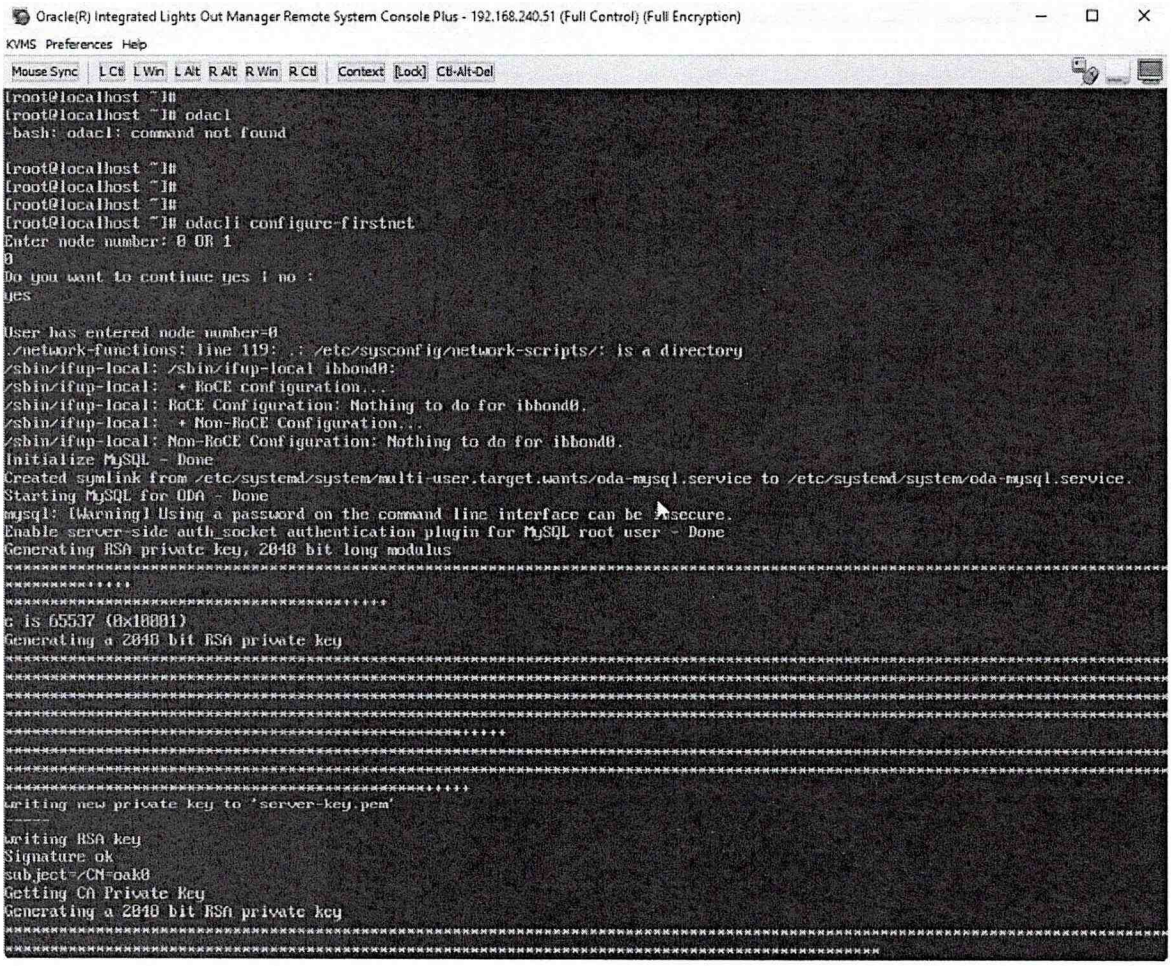


Nodo-1

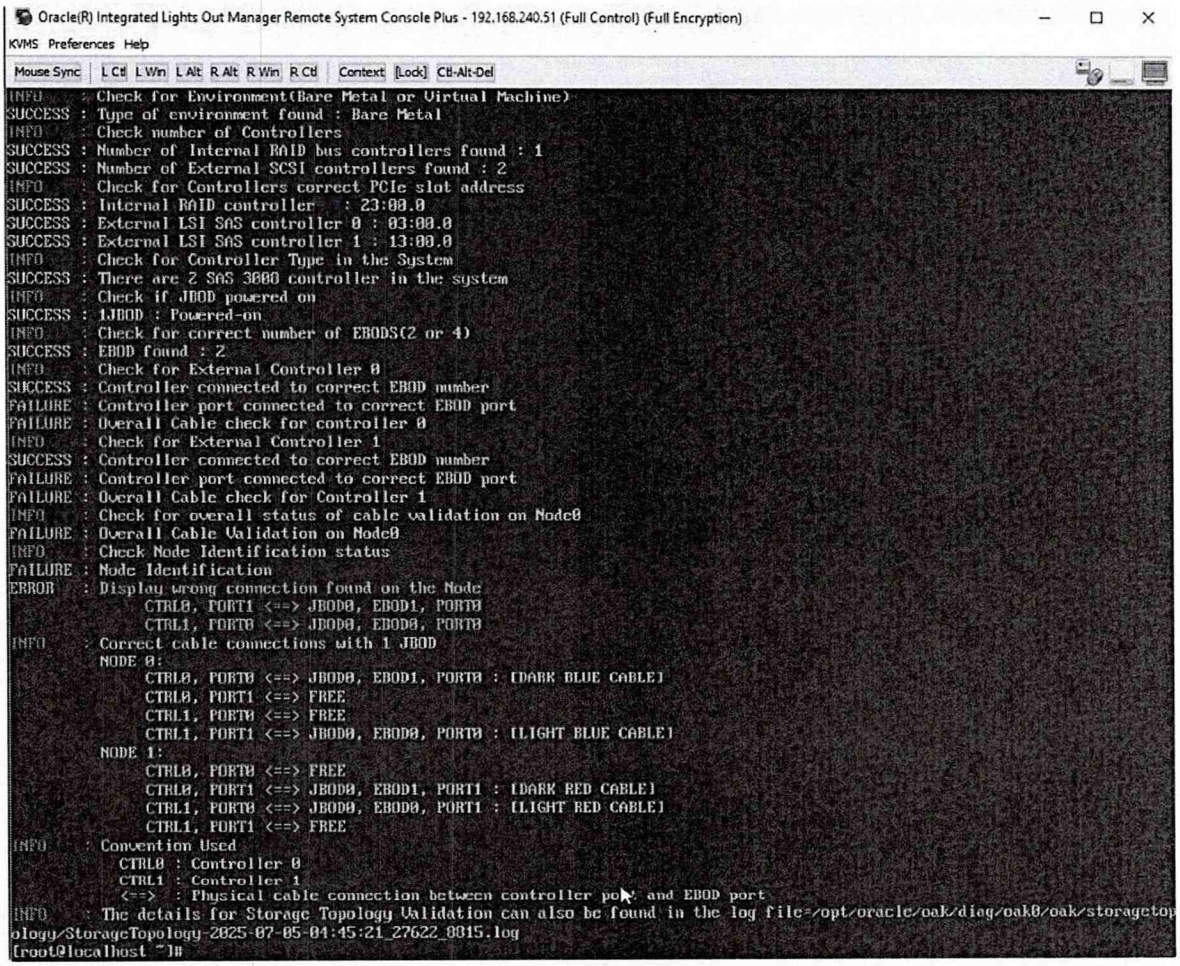

Oracle(R) Integrated Lights Out Manager Remote System Console Plus - 192.168.240.52 (Full Control) (Full Encryption)
KVMS Preferences Help
Mouse Sync L Ctl L Win L Alt R Alt R Win R Ctl Context [Lock] Ctl-Alt-Del
Installing iwl135-firmware (1098/1126)
Installing man-pages-overrides (1099/1126)
Installing iwl3945-firmware (1100/1126)
Installing iwl5000-firmware (1101/1126)
Installing iwl6000g2b-firmware (1102/1126)
Installing rootfiles (1103/1126)
Installing iwl3160-firmware (1104/1126)
Installing iwl6000g2a-firmware (1105/1126)
Installing ivtv-firmware (1106/1126)
Installing iwl100-firmware (1107/1126)
Installing iwl105-firmware (1108/1126)
Installing iwl6000-firmware (1109/1126)
Installing redhat-indexhtml (1110/1126)
Installing iwl4965-firmware (1111/1126)
Installing iwl1000-firmware (1112/1126)
Installing iwl2030-firmware (1113/1126)
Installing iwl2000-firmware (1114/1126)
Installing man-pages (1115/1126)
Installing NetworkManager-config-server (1116/1126)
Installing tzdata-java (1117/1126)
Installing iwl6050-firmware (1118/1126)
Installing perl-srpm-macros (1119/1126)
Installing words (1120/1126)
Installing nss-softokn-freebl.i686 (1121/1126)
Installing glibc.i686 (1122/1126)
Installing zlib.i686 (1123/1126)
Installing xz-libs.i686 (1124/1126)
Installing libxml2.i686 (1125/1126)
Installing libuuid.i686 (1126/1126)
Performing post-installation setup tasks
Installing boot loader
Performing post-installation setup tasks
Configuring installed system
Writing network configuration
Creating users
Configuring addons
Generating initramfs
Running post-installation scripts
Switch tabs: Alt+Tab | Help: F1


Oracle(R) Integrated Lights Out Manager Remote System Console Plus - 192.168.240.51 (Full Control) (Full Encryption)
KVMS Preferences Help
Mouse Sync L Ctl L Win L Alt R Alt R Win R Ctl Context [Lock] Ctl-Alt-Del
Installing iwl3945-firmware (1100/1126)
Installing iwl5000-firmware (1101/1126)
Installing iwl6000g2b-firmware (1102/1126)
Installing rootfiles (1103/1126)
Installing iwl3160-firmware (1104/1126)
Installing iwl6000g2a-firmware (1105/1126)
Installing ivtv-firmware (1106/1126)
Installing iwl100-firmware (1107/1126)
Installing iwl105-firmware (1108/1126)
Installing iwl6000-firmware (1109/1126)
Installing redhat-indexhtml (1110/1126)
Installing iwl4965-firmware (1111/1126)
Installing iwl1000-firmware (1112/1126)
Installing iwl2030-firmware (1113/1126)
Installing iwl2000-firmware (1114/1126)
Installing man-pages (1115/1126)
Installing NetworkManager-config-server (1116/1126)
Installing tzdata-java (1117/1126)
Installing iwl6050-firmware (1118/1126)
Installing perl-srpm-macros (1119/1126)
Installing words (1120/1126)
Installing nss-softokn-freebl.i686 (1121/1126)
Installing glibc.i686 (1122/1126)
Installing zlib.i686 (1123/1126)
Installing xz-libs.i686 (1124/1126)
Installing libxml2.i686 (1125/1126)
Installing libuuid.i686 (1126/1126)
Performing post-installation setup tasks
Installing boot loader
Performing post-installation setup tasks
Configuring installed system
Writing network configuration
Creating users
Configuring addons
Generating initramfs
Running post-installation scripts
anaconda1 1:main* 2:shell 3:log 4:storage-log 5:program-log
Switch tab: Alt-Tab | Help: F1

7. Configuración inicial de la red del nodo-0

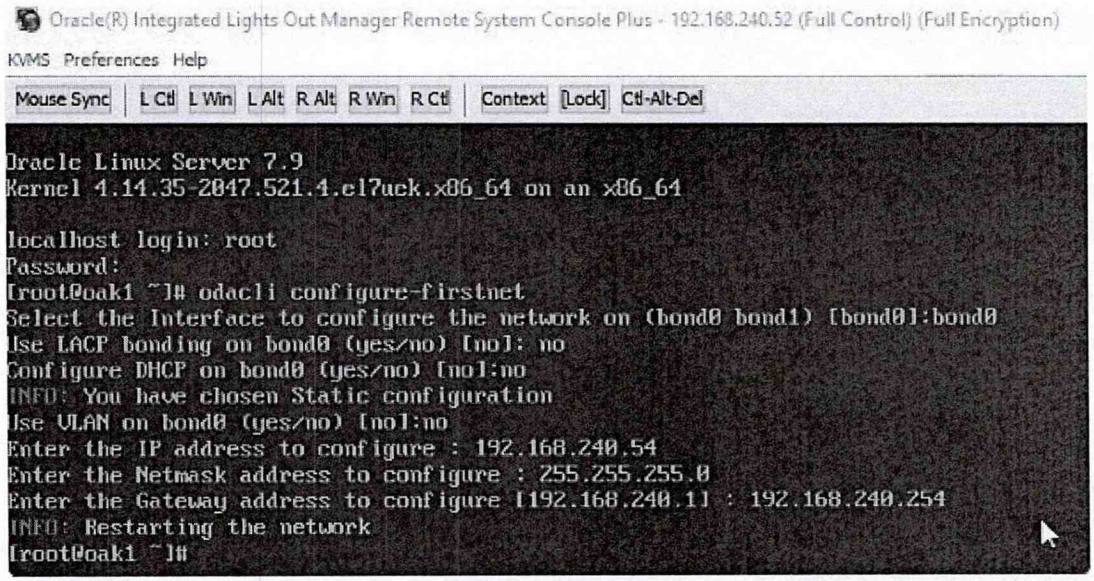


NOTA: *Novedad presentado por cableado SAS incorrecto en el nodo-0; esto fue mitigado con la actividad de revisión y corrección del cableado SAS.*



```
[root@oak0 ~]# odacli validate-storagetopology
INFO     : ODA Topology Verification
INFO     : Running on Node0
INFO     : Check hardware type
SUCCESS  : Type of hardware found : X5-2
INFO     : Check for Environment(Bare Metal or Virtual Machine)
SUCCESS  : Type of environment found : Bare Metal
INFO     : Check number of Controllers
SUCCESS  : Number of Internal RAID bus controllers found : 1
SUCCESS  : Number of External SCSI controllers found : 2
INFO     : Check for Controllers correct PCIe slot address
SUCCESS  : Internal RAID controller   : 23:00.0
SUCCESS  : External LSI SAS controller 0 : 03:00.0
SUCCESS  : External LSI SAS controller 1 : 13:00.0
INFO     : Check for Controller Type in the System
SUCCESS  : There are 2 SAS 3008 controller in the system
INFO     : Check if JBOD powered on
SUCCESS  : 1JBOD : Powered-on
INFO     : Check for correct number of EBODS(2 or 4)
SUCCESS  : EBOD found : 2
INFO     : Check for External Controller 0
SUCCESS  : Controller connected to correct EBOD number
SUCCESS  : Controller port connected to correct EBOD port
SUCCESS  : Overall Cable check for controller 0
INFO     : Check for External Controller 1
SUCCESS  : Controller connected to correct EBOD number
SUCCESS  : Controller port connected to correct EBOD port
SUCCESS  : Overall Cable check for Controller 1
INFO     : Check for overall status of cable validation on Node0
SUCCESS  : Overall Cable Validation on Node0
INFO     : Check Node Identification status
SUCCESS  : Node Identification
SUCCESS  : Node name based on cable configuration found : NODE0
INFO     : The details for Storage Topology Validation can also be found in the log file=/opt/oracle/oak/diag/oak0/oak/storagetop
ology/StorageTopology-2025-07-05-13:35:19_18783_1326.log
[root@oak0 ~]#
```

8. Configuración inicial de la red del nodo-1



9. Importar medios de instalación al ODA

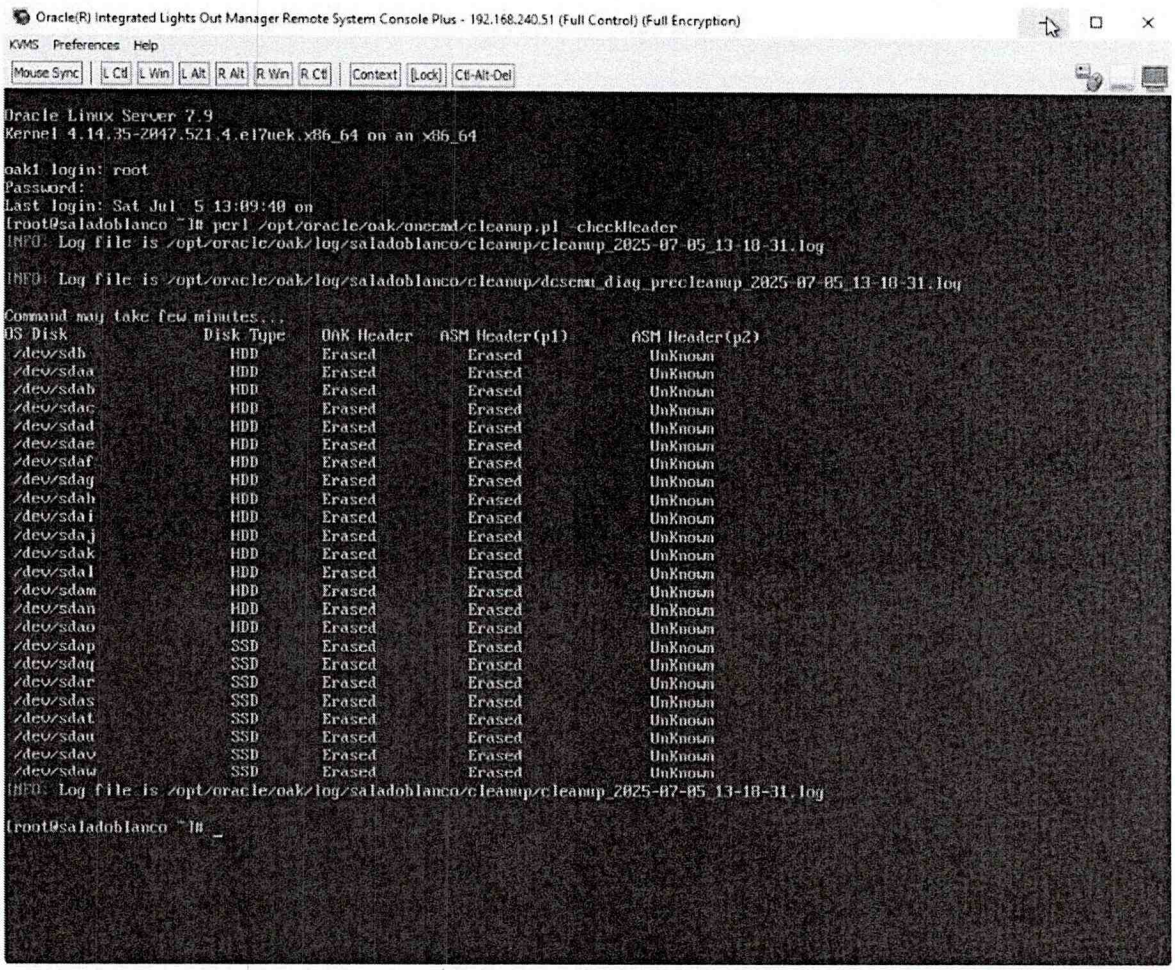
```
[root@oak0 ~]# odacli update-repository -f /u01/MEDIOS/odacli-dcs-19.18.0.0.0-230205-GI-19.18.0.0.zip,/u01/MEDIOS/odacli-dcs-19.
18.0.0.0-230205-DB-19.18.0.0.zip
{
  "jobId" : "e6b06fa6-6bfe-478e-aa49-220722002bae",
  "status" : "Created",
  "message" : "/u01/MEDIOS/odacli-dcs-19.18.0.0.0-230205-GI-19.18.0.0.zip,/u01/MEDIOS/odacli-dcs-19.18.0.0.0-230205-DB-19.18.0.
0.zip",
  "reports" : [ ],
  "createTimestamp" : "July 05, 2025 05:17:00 AM UTC",
  "resourceList" : [ ],
  "description" : "Repository Update",
  "updatedTime" : "July 05, 2025 05:17:00 AM UTC",
  "jobType" : null
}
```

```
[root@oak0 ~]# odacli describe-job -i e6b06fa6-6bfe-478e-aa49-220722002bae

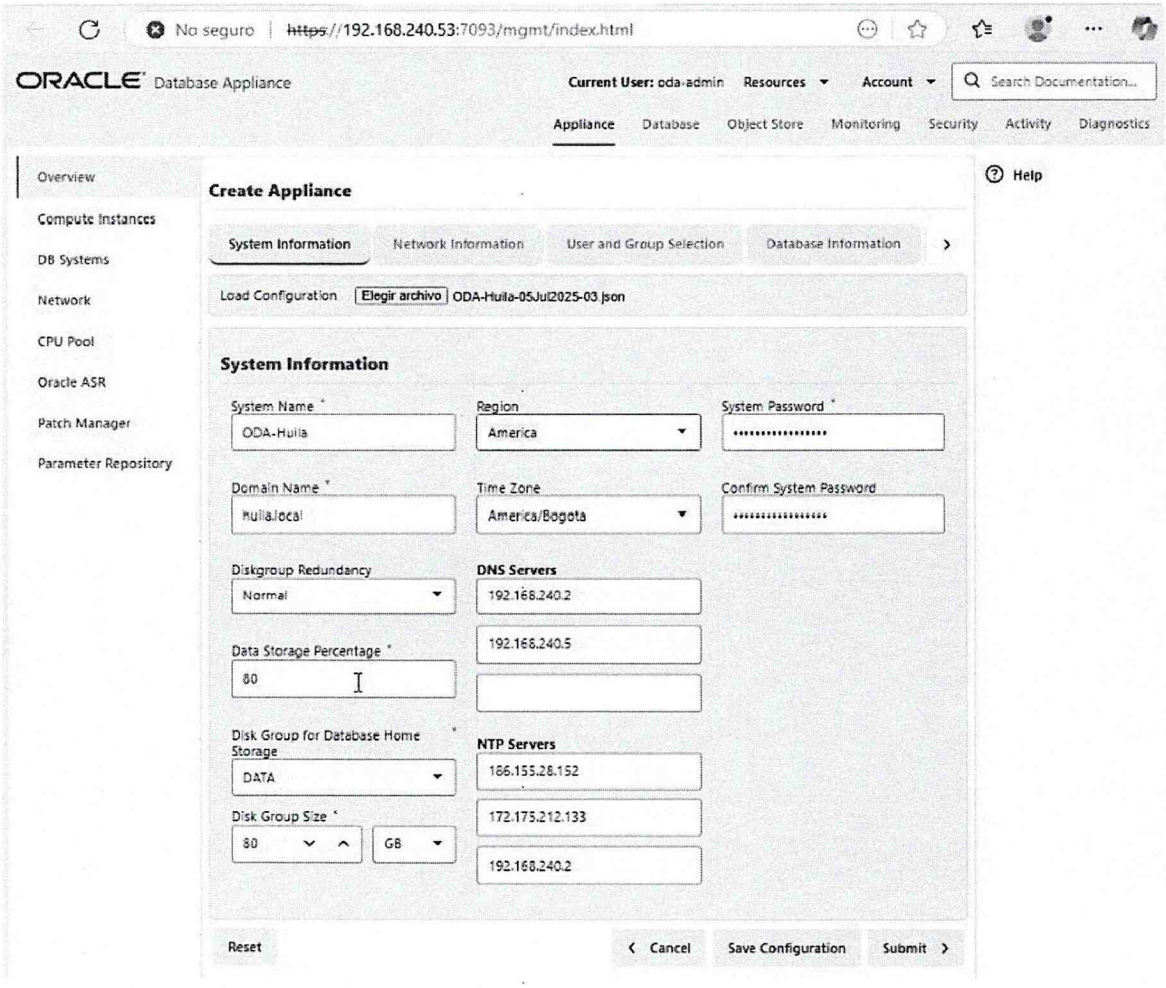
Job details
----------------------------------------------------------------
                     ID:  e6b06fa6-6bfe-478e-aa49-220722002bae
            Description:  Repository Update
                 Status:  Success
                Created:  July 5, 2025 5:17:00 AM UTC
                Message:  /u01/MEDIOS/odacli-dcs-19.18.0.0.0-230205-GI-19.18.0.0.zip,/u01/MEDIOS/odacli-dcs-19.18.0.0.0-230205-
DB-19.18.0.0.zip

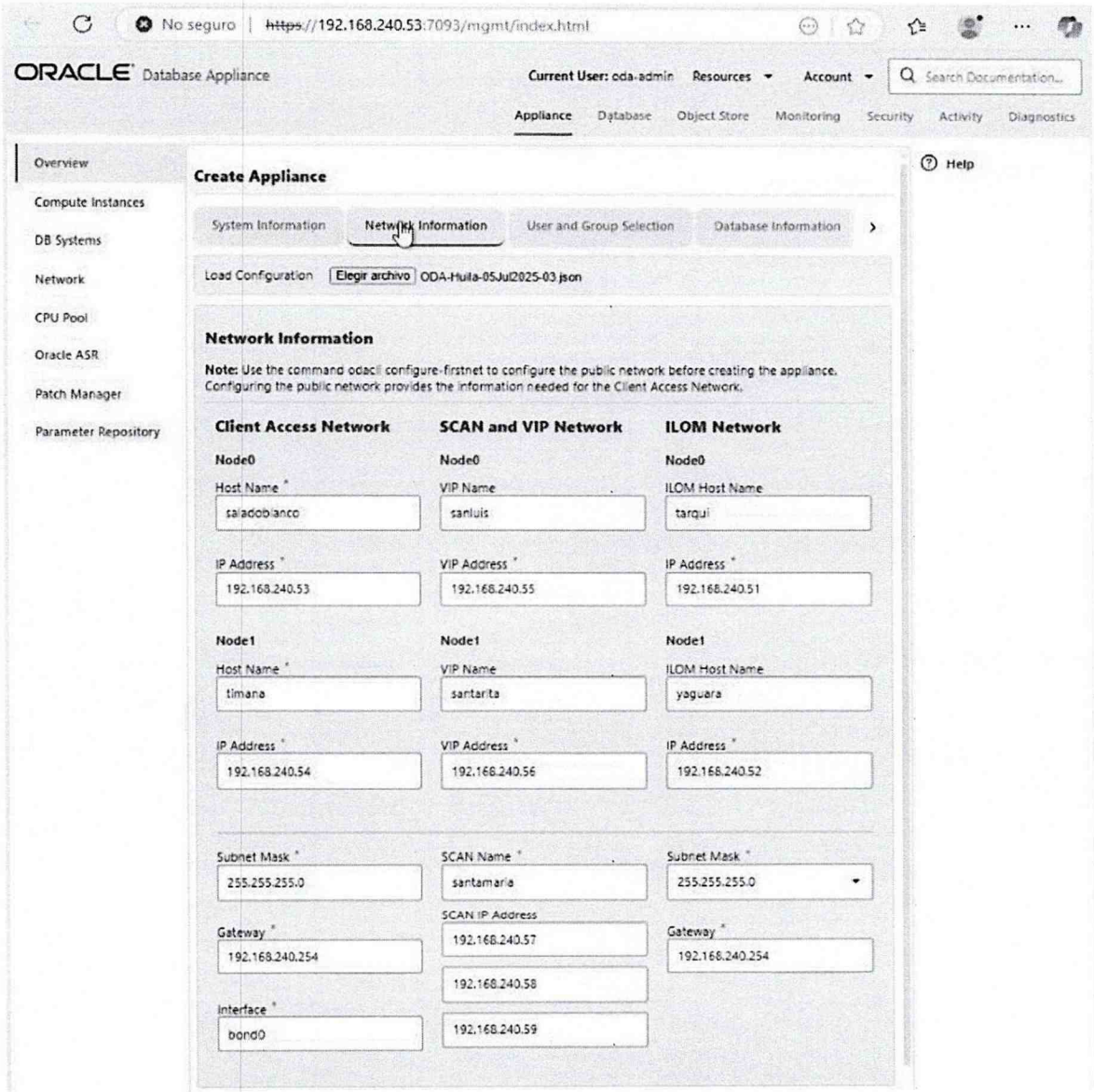
Task Name                                Node Name            Start Time                          End Time
            Status
---------------------------------------- -------------------- ----------------------------------- -----------------------------
-----------
Check AvailableSpace                     oak1                 July 5, 2025 5:17:25 AM UTC         July 5, 2025 5:17:25 AM
UTC         Success
Setting up ssh equivalance               oak0                 July 5, 2025 5:17:25 AM UTC         July 5, 2025 5:17:27 AM
UTC         Success
Copy BundleFile                          oak0                 July 5, 2025 5:17:27 AM UTC         July 5, 2025 5:18:44 AM
UTC         Success
Validating CopiedFile                    oak1                 July 5, 2025 5:18:44 AM UTC         July 5, 2025 5:19:09 AM
UTC         Success
Unzip bundle                             oak0                 July 5, 2025 5:19:09 AM UTC         July 5, 2025 5:20:29 AM
UTC         Success
Unzip bundle                             oak1                 July 5, 2025 5:20:31 AM UTC         July 5, 2025 5:21:53 AM
UTC         Success
Delete PatchBundles                      oak1                 July 5, 2025 5:21:54 AM UTC         July 5, 2025 5:21:56 AM
UTC         Success

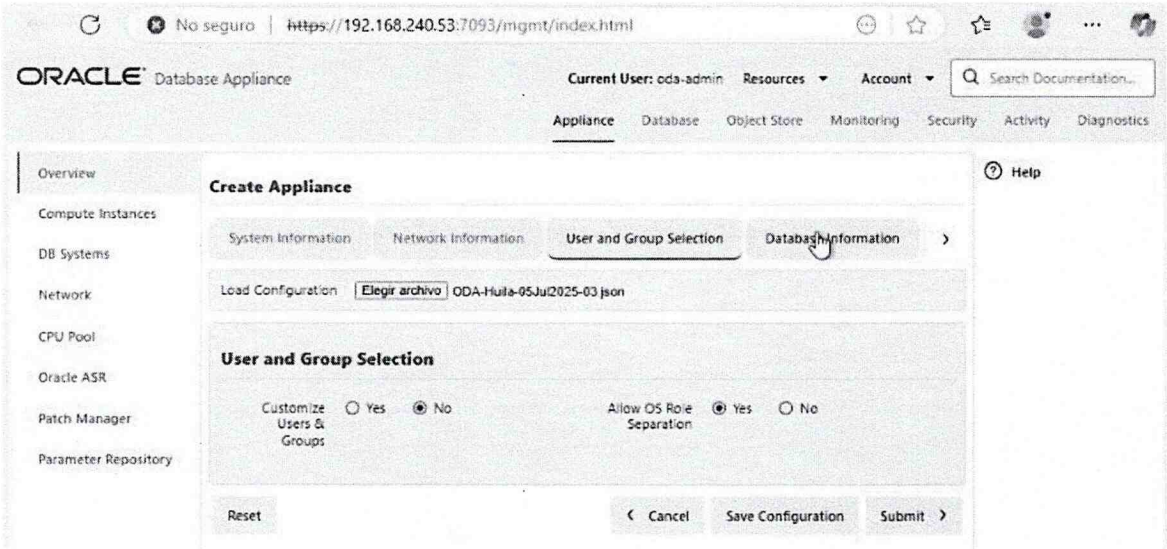
[root@oak0 ~]#
```

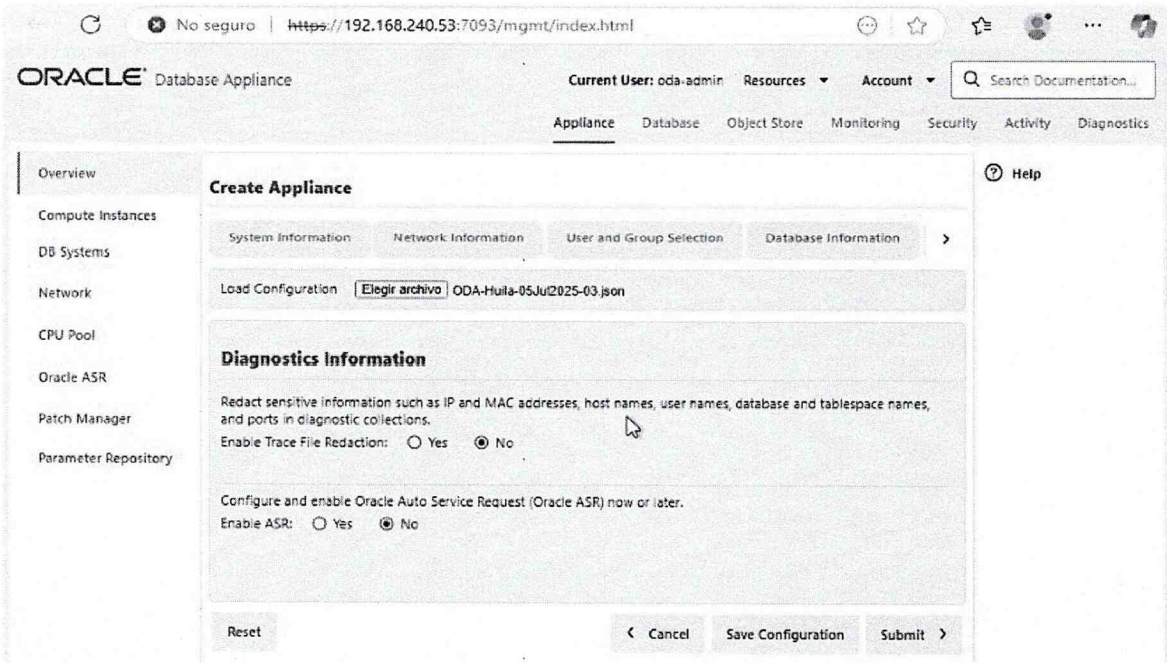

Oracle(R) Integrated Lights Out Manager Remote System Console Plus - 192.168.240.51 (Full Control) (Full Encryption)
KVMS Preferences Help
Mouse Sync | L Ctl | L Win | L Alt | R Alt | R Win | R Ctl | Context | [Lock] | Ctl-Alt-Del
Oracle Linux Server 7.9
Kernel 4.14.35-2047.521.4.el7uek.x86_64 on an x86_64
oak1 login: root
Password:
Last login: Sat Jul 5 13:09:40 on
[root@saladoblanco ~]# perl /opt/oracle/oak/onecmd/cleanup.pl -checkHeader
INFO: Log file is /opt/oracle/oak/log/saladoblanco/cleanup/cleanup_2025-07-05_13-18-31.log
INFO: Log file is /opt/oracle/oak/log/saladoblanco/cleanup/dcscmu_diag_precleanup_2025-07-05_13-18-31.log
Command may take few minutes...
OS Disk Disk Type OAK Header ASM Header(p1) ASM Header(p2)
/dev/sdb HDD Erased Erased UnKnown
/dev/sdaa HDD Erased Erased UnKnown
/dev/sdab HDD Erased Erased UnKnown
/dev/sdac HDD Erased Erased UnKnown
/dev/sdad HDD Erased Erased UnKnown
/dev/sdae HDD Erased Erased UnKnown
/dev/sdaf HDD Erased Erased UnKnown
/dev/sdag HDD Erased Erased UnKnown
/dev/sdah HDD Erased Erased UnKnown
/dev/sdai HDD Erased Erased UnKnown
/dev/sdaj HDD Erased Erased UnKnown
/dev/sdak HDD Erased Erased UnKnown
/dev/sdal HDD Erased Erased UnKnown
/dev/sdam HDD Erased Erased UnKnown
/dev/sdan HDD Erased Erased UnKnown
/dev/sdao HDD Erased Erased UnKnown
/dev/sdap SSD Erased Erased UnKnown
/dev/sdaq SSD Erased Erased UnKnown
/dev/sdar SSD Erased Erased UnKnown
/dev/sdas SSD Erased Erased UnKnown
/dev/sdat SSD Erased Erased UnKnown
/dev/sdau SSD Erased Erased UnKnown
/dev/sdav SSD Erased Erased UnKnown
/dev/sdaw SSD Erased Erased UnKnown
INFO: Log file is /opt/oracle/oak/log/saladoblanco/cleanup/cleanup_2025-07-05_13-18-31.log
[root@saladoblanco ~]#

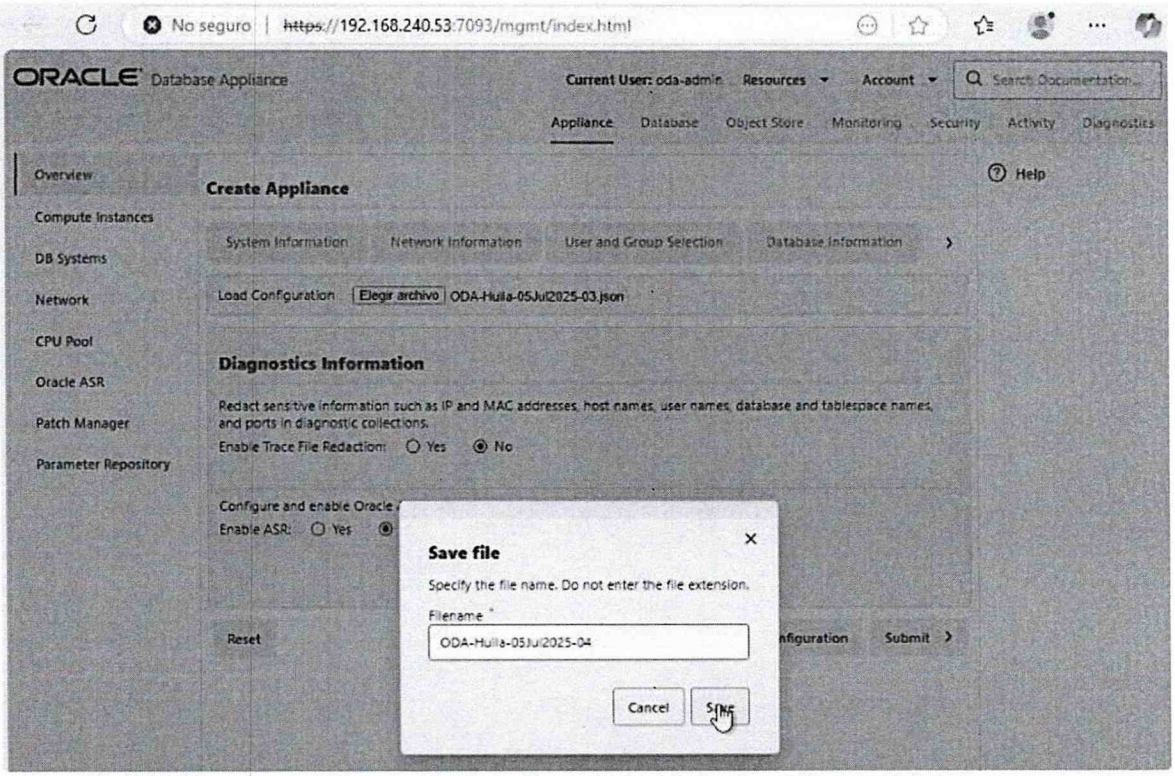
10. Deploy del ODA 19.18

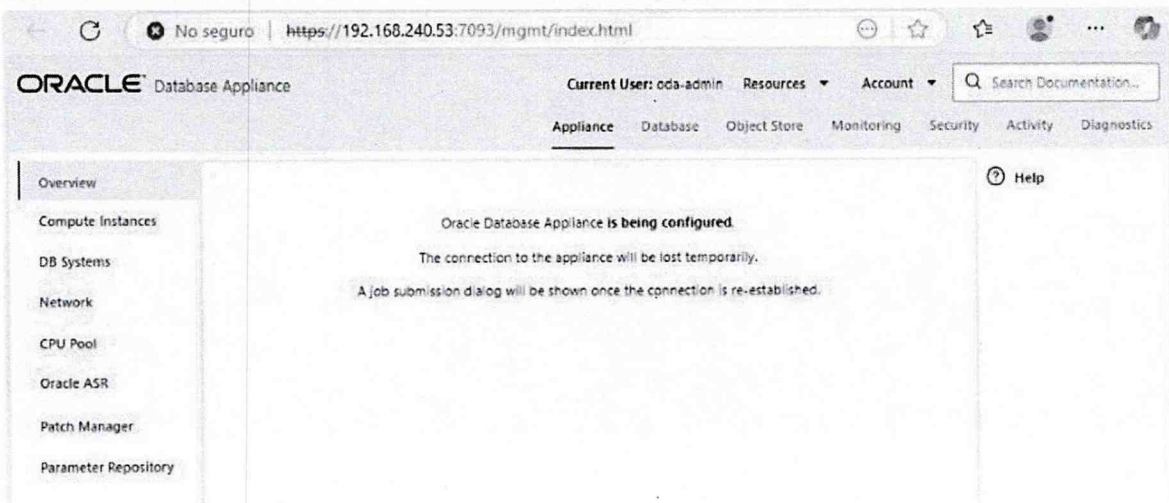



No seguro | https://192.168.240.53:7093/mgmt/index.html
ORACLE Database Appliance
Current User: oda-admin
Resources
Account
Search Documentation...
Appliance
Database
Object Store
Monitoring
Security
Activity
Diagnostics
Overview
Compute Instances
DB Systems
Network
CPU Pool
Oracle ASR
Patch Manager
Parameter Repository
Help
Create Appliance
System Information
Network Information
User and Group Selection
Database Information
Load Configuration
Elegir archivo
ODA-Huila-05Jul2025-03.json
Network Information
Note: Use the command odacli configure-firstnet to configure the public network before creating the appliance. Configuring the public network provides the information needed for the Client Access Network.
Client Access Network
SCAN and VIP Network
ILOM Network
Node0
Host Name *
saladoblanco
VIP Name *
sanluis
ILOM Host Name *
tarqui
IP Address *
192.168.240.53
VIP Address *
192.168.240.55
IP Address *
192.168.240.51
Node1
Host Name *
timana
VIP Name *
santarita
ILOM Host Name *
yaguara
IP Address *
192.168.240.54
VIP Address *
192.168.240.56
IP Address *
192.168.240.52
Subnet Mask *
255.255.255.0
SCAN Name *
santamaria
Subnet Mask *
255.255.255.0
Gateway *
192.168.240.254
SCAN IP Address
192.168.240.57
192.168.240.58
192.168.240.59
Gateway *
192.168.240.254
Interface *
bond0


No seguro | https://192.168.240.53:7093/mgmt/index.html
ORACLE Database Appliance
Current User: oda-admin
Resources
Account
Search Documentation...
Appliance
Database
Object Store
Monitoring
Security
Activity
Diagnostics
Overview
Compute Instances
DB Systems
Network
CPU Pool
Oracle ASR
Patch Manager
Parameter Repository
Help
Create Appliance
System Information
Network Information
User and Group Selection
Database Information
Load Configuration
Elegir archivo
ODA-Huila-05Jul2025-03.json
User and Group Selection
Customize Users & Groups
Yes
No
Allow OS Role Separation
Yes
No
Reset
Cancel
Save Configuration
Submit


No seguro | https://192.168.240.53:7093/mgmt/index.html
ORACLE Database Appliance
Current User: oda-admin
Resources
Account
Search Documentation...
Appliance
Database
Object Store
Monitoring
Security
Activity
Diagnostics
Overview
Compute Instances
DB Systems
Network
CPU Pool
Oracle ASR
Patch Manager
Parameter Repository
Help
Create Appliance
System Information
Network Information
User and Group Selection
Database Information
Load Configuration
Elegir archivo
ODA-Huila-05Jul2025-03.json
Diagnostics Information
Redact sensitive information such as IP and MAC addresses, host names, user names, database and tablespace names, and ports in diagnostic collections.
Enable Trace File Redaction:
Yes
No
Configure and enable Oracle Auto Service Request (Oracle ASR) now or later.
Enable ASR:
Yes
No
Reset
Cancel
Save Configuration
Submit

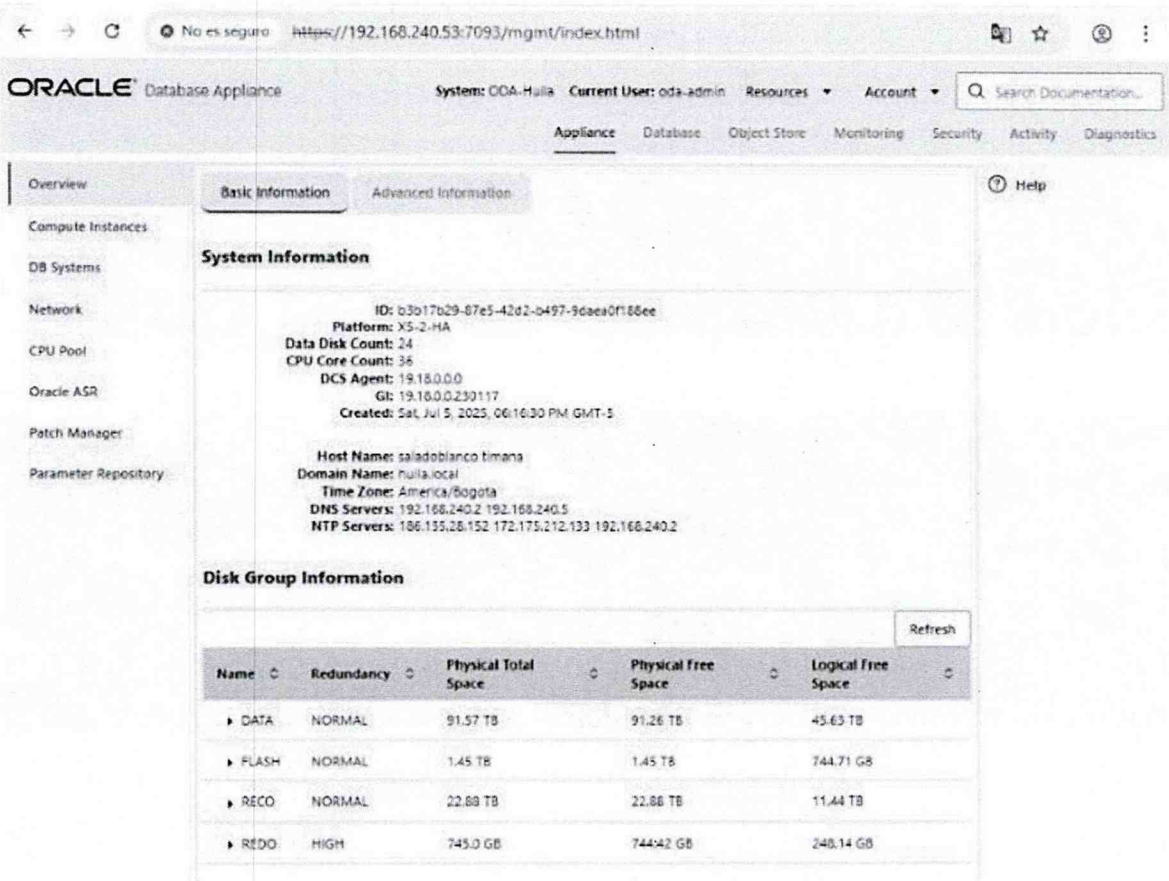

No seguro | https://192.168.240.53:7093/mgmt/index.html
ORACLE Database Appliance
Current User: oda-admin
Resources
Account
Search Documentation...
Appliance
Database
Object Store
Monitoring
Security
Activity
Diagnostics
Help
Overview
Compute Instances
DB Systems
Network
CPU Pool
Oracle ASR
Patch Manager
Parameter Repository
Create Appliance
System Information
Network Information
User and Group Selection
Database Information
Load Configuration
Elegir archivo
ODA-Huila-05Jul2025-03.json
Diagnostics Information
Redact sensitive information such as IP and MAC addresses, host names, user names, database and tablespace names, and ports in diagnostic collections.
Enable Trace File Redaction:
Yes
No
Configure and enable Oracle
Enable ASR:
Yes
Save file
Specify the file name. Do not enter the file extension.
Filename *
ODA-Huila-05Jul2025-04
Cancel
Save
Reset
Submit


No seguro | https://192.168.240.53:7093/mgmt/index.html
ORACLE Database Appliance
Current User: oda-admin
Resources
Account
Search Documentation...
Appliance
Database
Object Store
Monitoring
Security
Activity
Diagnostics
Help
Overview
Compute Instances
DB Systems
Network
CPU Pool
Oracle ASR
Patch Manager
Parameter Repository
Oracle Database Appliance is being configured.
The connection to the appliance will be lost temporarily.
A job submission dialog will be shown once the connection is re-established.

```
[root@saladoblanco ~]# clear; odacli describe-job -i 44f70f6a-79f1-4f9e-872c-a376bb3998cc | nl

     1  Job details
     2  ----------------------------------------------------------------
     3                       ID:  44f70f6a-79f1-4f9e-872c-a376bb3998cc
     4              Description:  Provisioning service creation
     5                   Status:  Success
     6                  Created:  July 5, 2025 1:16:30 PM COT
     7                  Message:

     8  Task Name                                Node Name            Start Time                       End Time                         Status
     9  ---------------------------------------- -------------------- -------------------------------- -------------------------------- ----------
    10  Setting up Network                       saladoblanco         July 5, 2025 1:16:50 PM COT      July 5, 2025 1:16:50 PM COT      Success
    11  Setting up Network                       timana               July 5, 2025 1:17:21 PM COT      July 5, 2025 1:17:21 PM COT      Success
    12  Network update                           saladoblanco         July 5, 2025 1:17:44 PM COT      July 5, 2025 1:18:03 PM COT      Success
    13  Updating network                         saladoblanco         July 5, 2025 1:17:44 PM COT      July 5, 2025 1:18:03 PM COT      Success
    14  Setting up Network                       saladoblanco         July 5, 2025 1:17:44 PM COT      July 5, 2025 1:17:44 PM COT      Success
    15  Network update                           saladoblanco         July 5, 2025 1:18:03 PM COT      July 5, 2025 1:18:23 PM COT      Success
    16  Updating network                         saladoblanco         July 5, 2025 1:18:03 PM COT      July 5, 2025 1:18:23 PM COT      Success
    17  Setting up Network                       timana               July 5, 2025 1:18:03 PM COT      July 5, 2025 1:18:03 PM COT      Success
    18  OS usergroup 'asmdba'creation            saladoblanco         July 5, 2025 1:18:23 PM COT      July 5, 2025 1:18:23 PM COT      Success
    19  OS usergroup 'asmoper'creation           saladoblanco         July 5, 2025 1:18:23 PM COT      July 5, 2025 1:18:23 PM COT      Success
    20  OS usergroup 'asmadmin'creation          saladoblanco         July 5, 2025 1:18:23 PM COT      July 5, 2025 1:18:23 PM COT      Success
    21  OS usergroup 'dba'creation               saladoblanco         July 5, 2025 1:18:23 PM COT      July 5, 2025 1:18:23 PM COT      Success
    22  OS usergroup 'dbaoper'creation           saladoblanco         July 5, 2025 1:18:23 PM COT      July 5, 2025 1:18:23 PM COT      Success
    23  OS usergroup 'oinstall'creation          saladoblanco         July 5, 2025 1:18:23 PM COT      July 5, 2025 1:18:24 PM COT      Success
    24  OS user 'grid'creation                   saladoblanco         July 5, 2025 1:18:24 PM COT      July 5, 2025 1:18:24 PM COT      Success
    25  OS user 'oracle'creation                 saladoblanco         July 5, 2025 1:18:24 PM COT      July 5, 2025 1:18:24 PM COT      Success
    26  Default backup policy creation           saladoblanco         July 5, 2025 1:18:24 PM COT      July 5, 2025 1:18:24 PM COT      Success
    27  Backup config metadata persist           saladoblanco         July 5, 2025 1:18:24 PM COT      July 5, 2025 1:18:24 PM COT      Success
    28  Grant permission to RHP files            timana               July 5, 2025 1:18:24 PM COT      July 5, 2025 1:18:24 PM COT      Success
    29  Add SYSNAME in Env                       timana               July 5, 2025 1:18:48 PM COT      July 5, 2025 1:18:48 PM COT      Success
    30  Install oracle-ahf                       timana               July 5, 2025 1:18:48 PM COT      July 5, 2025 1:29:43 PM COT      Success
    31  Stop DCS Admin                           saladoblanco         July 5, 2025 1:21:41 PM COT      July 5, 2025 1:21:42 PM COT      Success
    32  Stop DCS Admin                           timana               July 5, 2025 1:21:41 PM COT      July 5, 2025 1:21:42 PM COT      Success
    33  Generate mTLS certificates               saladoblanco         July 5, 2025 1:21:42 PM COT      July 5, 2025 1:21:43 PM COT      Success
    34  Generate mTLS certificates               timana               July 5, 2025 1:21:42 PM COT      July 5, 2025 1:21:43 PM COT      Success
    35  Exporting Public Keys                    timana               July 5, 2025 1:21:43 PM COT      July 5, 2025 1:21:45 PM COT      Success
    36  Exporting Public Keys                    saladoblanco         July 5, 2025 1:21:43 PM COT      July 5, 2025 1:21:45 PM COT      Success
    37  Copy Public Key to Remote node           saladoblanco         July 5, 2025 1:21:45 PM COT      July 5, 2025 1:21:46 PM COT      Success
    38  Copy Public Key to Remote node           timana               July 5, 2025 1:21:46 PM COT      July 5, 2025 1:21:47 PM COT      Success
    39  Creating Trust Store                     timana               July 5, 2025 1:21:47 PM COT      July 5, 2025 1:21:51 PM COT      Success
    40  Creating Trust Store                     saladoblanco         July 5, 2025 1:21:47 PM COT      July 5, 2025 1:21:51 PM COT      Success
    41  Update config files                      timana               July 5, 2025 1:21:51 PM COT      July 5, 2025 1:21:51 PM COT      Success
    42  Update config files                      saladoblanco         July 5, 2025 1:21:51 PM COT      July 5, 2025 1:21:51 PM COT      Success
    43  Restart DCS Admin                        saladoblanco         July 5, 2025 1:21:51 PM COT      July 5, 2025 1:22:12 PM COT      Success
    44  Restart DCS Admin                        timana               July 5, 2025 1:21:51 PM COT      July 5, 2025 1:22:12 PM COT      Success
    45  Grid home creation                       saladoblanco         July 5, 2025 1:22:12 PM COT      July 5, 2025 1:23:04 PM COT      Success
    46  Creating GI home directories             timana               July 5, 2025 1:22:12 PM COT      July 5, 2025 1:22:12 PM COT      Success
    47  Extract GI clone                         saladoblanco         July 5, 2025 1:22:12 PM COT      July 5, 2025 1:24:29 PM COT      Success
    48  Storage discovery                        saladoblanco         July 5, 2025 1:23:04 PM COT      July 5, 2025 1:34:07 PM COT      Success
    49  Extract GI clone                         timana               July 5, 2025 1:24:29 PM COT      July 5, 2025 1:23:04 PM COT      Success
    50  Creating wallet for Root User            saladoblanco         July 5, 2025 1:34:07 PM COT      July 5, 2025 1:34:11 PM COT      Success
    51  Creating wallet for ASM Client           saladoblanco         July 5, 2025 1:34:11 PM COT      July 5, 2025 1:34:15 PM COT      Success
    52  Grid stack creation                      saladoblanco         July 5, 2025 1:34:15 PM COT      July 5, 2025 1:56:27 PM COT      Success
    53  Provisioning GI with RHP                 saladoblanco         July 5, 2025 1:34:15 PM COT      July 5, 2025 1:51:59 PM COT      Success
    54  Updating GIHome version                  timana               July 5, 2025 1:52:01 PM COT      July 5, 2025 1:52:05 PM COT      Success
    55  Updating GIHome version                  saladoblanco         July 5, 2025 1:52:01 PM COT      July 5, 2025 1:52:05 PM COT      Success
    56  Post cluster OAKD configuration          saladoblanco         July 5, 2025 1:56:27 PM COT      July 5, 2025 2:05:15 PM COT      Success
    57  Disk group 'RECO'creation                saladoblanco         July 5, 2025 2:05:26 PM COT      July 5, 2025 2:05:49 PM COT      Success
    58  Disk group 'REDO'creation                saladoblanco         July 5, 2025 2:05:49 PM COT      July 5, 2025 2:06:04 PM COT      Success
    59  Disk group 'FLASH'creation               saladoblanco         July 5, 2025 2:06:04 PM COT      July 5, 2025 2:06:19 PM COT      Success
    60  Setting ACL for disk groups              saladoblanco         July 5, 2025 2:06:19 PM COT      July 5, 2025 2:06:28 PM COT      Success
    61  Modify DB file attributes                saladoblanco         July 5, 2025 2:06:28 PM COT      July 5, 2025 2:06:49 PM COT      Success
    62  Register Scan and Vips to Public Network timana               July 5, 2025 2:06:54 PM COT      July 5, 2025 2:06:59 PM COT      Success
    63  Configure export clones resource         saladoblanco         July 5, 2025 2:08:38 PM COT      July 5, 2025 2:08:39 PM COT      Success
    64  Volume 'commonstore'creation             saladoblanco         July 5, 2025 2:08:39 PM COT      July 5, 2025 2:09:00 PM COT      Success
    65  ACFS file system 'DATA'creation          saladoblanco         July 5, 2025 2:09:00 PM COT      July 5, 2025 2:09:28 PM COT      Success
    66  Delete public key                        timana               July 5, 2025 2:09:33 PM COT      July 5, 2025 2:09:33 PM COT      Success
    67  Configure 2k Quorum TLS                  timana               July 5, 2025 2:09:35 PM COT      July 5, 2025 2:09:36 PM COT      Success
    68  Create Trust Store                       saladoblanco         July 5, 2025 2:09:36 PM COT      July 5, 2025 2:09:37 PM COT      Success
    69  Delete Trust Store                       saladoblanco         July 5, 2025 2:09:37 PM COT      July 5, 2025 2:09:37 PM COT      Success
    70  Create Trust Store                       timana               July 5, 2025 2:09:37 PM COT      July 5, 2025 2:09:38 PM COT      Success
    71  Provisioning service creation            saladoblanco         July 5, 2025 2:09:39 PM COT      July 5, 2025 2:09:40 PM COT      Success
    72  Persist new agent state entry            timana               July 5, 2025 2:09:39 PM COT      July 5, 2025 2:09:39 PM COT      Success
    73  Persist new agent state entry            timana               July 5, 2025 2:09:39 PM COT      July 5, 2025 2:09:40 PM COT      Success
    74  Persist new agent state entry            timana               July 5, 2025 2:09:40 PM COT      July 5, 2025 2:09:40 PM COT      Success
    75  Persist new agent state entry            timana               July 5, 2025 2:09:40 PM COT      July 5, 2025 2:09:40 PM COT      Success
    76  Restart Zookeeper and DCS Agent          saladoblanco         July 5, 2025 2:09:40 PM COT      July 5, 2025 2:09:41 PM COT      Success
```


No es seguro https://192.168.240.53:7093/mgmt/index.html
ORACLE Database Appliance
System: ODA-Huila Current User: oda-admin Resources Account
Search Documentation...
Appliance Database Object Store Monitoring Security Activity Diagnostics
Overview
Compute Instances
DB Systems
Network
CPU Pool
Oracle ASR
Patch Manager
Parameter Repository
Basic Information
Advanced Information
Help
System Information
ID: b3b17b29-87e5-42d2-b497-9daea0f188ee
Platform: X5-2-HA
Data Disk Count: 24
CPU Core Count: 36
DCS Agent: 19.18.0.0.0
GI: 19.18.0.0.230117
Created: Sat, Jul 5, 2025, 06:16:30 PM GMT-5
Host Name: saladoblanco timana
Domain Name: huila.local
Time Zone: America/Bogota
DNS Servers: 192.168.240.2 192.168.240.5
NTP Servers: 186.155.28.152 172.175.212.133 192.168.240.2
Disk Group Information
Refresh
Name
Redundancy
Physical Total Space
Physical Free Space
Logical Free Space
DATA NORMAL 91.57 TB 91.26 TB 45.63 TB
FLASH NORMAL 1.45 TB 1.45 TB 744.71 GB
RECO NORMAL 22.88 TB 22.88 TB 11.44 TB
REDO HIGH 745.0 GB 744.42 GB 248.14 GB

11. Importando el ultimo Patch

```
[root@saladoblanco ~]# odacli update-repository -f /u01/MEDIOS/oda-sm-19.18.0.0.0-230205-server.zip
{
  "jobId" : "36a2b169-3978-41fc-80dc-0983ca2aac16",
  "status" : "Created",
  "message" : "/u01/MEDIOS/oda-sm-19.18.0.0.0-230205-server.zip",
  "reports" : [ ],
  "createTimestamp" : "July 05, 2025 14:32:59 PM COT",
  "resourceList" : [ ],
  "description" : "Repository Update",
  "updatedTime" : "July 05, 2025 14:32:59 PM COT",
  "jobType" : null
}
```

```
[root@saladoblanco ~]# odacli describe-job -i 36a2b169-3978-41fc-80dc-0983ca2aac16

Job details
----------------------------------------------------------------
                     ID:  36a2b169-3978-41fc-80dc-0983ca2aac16
            Description:  Repository Update
                 Status:  Success
                Created:  July 5, 2025 2:32:59 PM COT
                Message:  /u01/MEDIOS/oda-sm-19.18.0.0.0-230205-server.zip

Task Name                                Node Name            Start Time                      End Time                        Status
---------------------------------------- -------------------- ------------------------------- ------------------------------- ----------
Check AvailableSpace                     timana               July 5, 2025 2:33:08 PM COT     July 5, 2025 2:33:08 PM COT     Success
Setting up ssh equivalance               saladoblanco         July 5, 2025 2:33:08 PM COT     July 5, 2025 2:33:10 PM COT     Success
Copy BundleFile                          saladoblanco         July 5, 2025 2:33:10 PM COT     July 5, 2025 2:33:22 PM COT     Success
Validating CopiedFile                    timana               July 5, 2025 2:33:22 PM COT     July 5, 2025 2:33:30 PM COT     Success
Unzip bundle                             saladoblanco         July 5, 2025 2:33:30 PM COT     July 5, 2025 2:33:59 PM COT     Success
Unzip bundle                             timana               July 5, 2025 2:33:59 PM COT     July 5, 2025 2:34:28 PM COT     Success
Delete PatchBundles                      timana               July 5, 2025 2:34:28 PM COT     July 5, 2025 2:34:29 PM COT     Success

[root@saladoblanco ~]#
```

12. Precheck y parchar el almacenamiento

```
[root@saladoblanco ~]# /opt/oracle/dcs/bin/odacli create-prepatchreport -st -v 19.18.0.0.0

Job details
----------------------------------------------------------------
                     ID:  a98457b8-a8dc-4c63-a1ae-2386a819ae93
            Description:  Patch pre-checks for [STORAGE]
                 Status:  Created
                Created:  July 5, 2025 2:44:35 PM COT
                Message:  Use 'odacli describe-prepatchreport -i a98457b8-a8dc-4c63-a1ae-2386a819ae93' to check details of resul
ts

Task Name                                Start Time                          End Time                            Status
---------------------------------------- ----------------------------------- ----------------------------------- ----------
```

```
[root@saladoblanco ~]# odacli describe-prepatchreport -i a98457b8-a8dc-4c63-a1ae-2386a819ae93

Patch pre-check report
------------------------------------------------------------------------
                 Job ID:  a98457b8-a8dc-4c63-a1ae-2386a819ae93
            Description:  Patch pre-checks for [STORAGE]
                 Status:  SUCCESS
                Created:  July 5, 2025 2:44:35 PM COT
                 Result:  All pre-checks succeeded

Node Name
---------------
saladoblanco

Pre-Check                      Status   Comments
------------------------------ -------- --------------------------------------
__STORAGE__
Validate patching tag          Success  Validated patching tag: 19.18.0.0.0.
Patch location validation      Success  Verified patch location
Patch tag validation           Success  Verified patch tag
Storage patch tag validation   Success  Verified storage patch location
Verify ASM disks status        Success  ASM disks are online
Validate rolling patch         Alert    Rolling mode patching not allowed as
                                        there is expander and controller
                                        upgrade.
Validate command execution     Success  Validated command execution

Node Name
---------------
timana

Pre-Check                      Status   Comments
------------------------------ -------- --------------------------------------
__STORAGE__
Validate patching tag          Success  Validated patching tag: 19.18.0.0.0.
Patch location validation      Success  Verified patch location
Patch tag validation           Success  Verified patch tag
Storage patch tag validation   Success  Verified storage patch location
Verify ASM disks status        Success  ASM disks are online
Validate rolling patch         Alert    Rolling mode patching not allowed as
                                        there is expander and controller
                                        upgrade.
Validate command execution     Success  Validated command execution


[root@saladoblanco ~]#
```

```
[root@saladoblanco ~]# odacli describe-job -i 33708b26-f5c2-4186-960d-6c3fa9582d0a

Job details
----------------------------------------------------------------
                     ID:  33708b26-f5c2-4186-960d-6c3fa9582d0a
            Description:  Storage Firmware Patching
                 Status:  Success
                Created:  July 5, 2025 2:49:55 PM COT
                Message:

Task Name                                Node Name            Start Time                          End Time                            Status
---------------------------------------- -------------------- ----------------------------------- ----------------------------------- ----------
Applying Firmware Disk Patches           timana               July 5, 2025 3:01:16 PM COT         July 5, 2025 3:01:23 PM COT         Success
Applying Firmware Expander Patches       timana               July 5, 2025 3:04:41 PM COT         July 5, 2025 3:04:52 PM COT         Success
Applying Firmware Controller Patches     timana               July 5, 2025 3:10:49 PM COT         July 5, 2025 3:16:47 PM COT         Success
Generating and saving BOM                saladoblanco         July 5, 2025 3:16:47 PM COT         July 5, 2025 3:16:55 PM COT         Success
Generating and saving BOM                timana               July 5, 2025 3:16:47 PM COT         July 5, 2025 3:16:53 PM COT         Success
PreRebootNode Actions                    saladoblanco         July 5, 2025 3:16:56 PM COT         July 5, 2025 3:16:56 PM COT         Success
PreRebootNode Actions                    timana               July 5, 2025 3:16:56 PM COT         July 5, 2025 3:16:56 PM COT         Success
Reboot Ilom                              saladoblanco         July 5, 2025 3:16:56 PM COT         July 5, 2025 3:16:56 PM COT         Success
Reboot Ilom                              timana               July 5, 2025 3:16:56 PM COT         July 5, 2025 3:16:56 PM COT         Success

[root@saladoblanco ~]#
```

13. Estado final del ODA

a. Nodo-0

```
[root@saladoblanco ~]# odacli describe-component
System Version
---------------
19.18.0.0.0

System node Name
---------------
saladoblanco

Local System Version
---------------
19.18.0.0.0

Component                                Installed Version    Available Version
---------------------------------------- -------------------- --------------------
OAK
                                         19.18.0.0.0          up-to-date
GI
                                         19.18.0.0.230117     up-to-date
DCSCONTROLLER
                                         19.18.0.0.0          up-to-date
DCSCLI
                                         19.18.0.0.0          up-to-date
DCSAGENT
                                         19.18.0.0.0          up-to-date
DCSADMIN
                                         19.18.0.0.0          up-to-date
OS
                                         7.9                  up-to-date
ILOM
                                         5.1.0.23.r146986     up-to-date
BIOS
                                         30370100             up-to-date
LOCAL CONTROLLER FIRMWARE {
[c0]
                                         4.650.00-7176        up-to-date
[c4]
                                         800005DD             up-to-date
[c5]
                                         800005DE             up-to-date
}
SHARED CONTROLLER FIRMWARE
                                         16.00.08.00          up-to-date
FIRMWAREEXPANDER
                                         001E                 up-to-date
LOCAL DISK FIRMWARE
                                         A7E0                 up-to-date
SHARED DISK FIRMWARE {
[c1d0,c1d1,c1d2,c1d3,c1d4,c1d5,c1d6,
c1d7,c1d8,c1d9,c1d10,c1d11,c1d12,c1d13,
c1d14,c1d15,c2d0,c2d1,c2d2,c2d3,c2d4,
c2d5,c2d6,c2d7,c2d8,c2d9,c2d10,c2d11,
c2d12,c2d13,c2d14,c2d15]                 PD51                 up-to-date
[c1d16,c1d17,c1d18,c1d19,c1d20,c1d21,
c1d22,c1d23,c2d16,c2d17,c2d18,c2d19,
c2d20,c2d21,c2d22,c2d23]                 A29A                 up-to-date
}
HMP
                                         2.4.8.9.604          up-to-date
```

b. Nodo-1

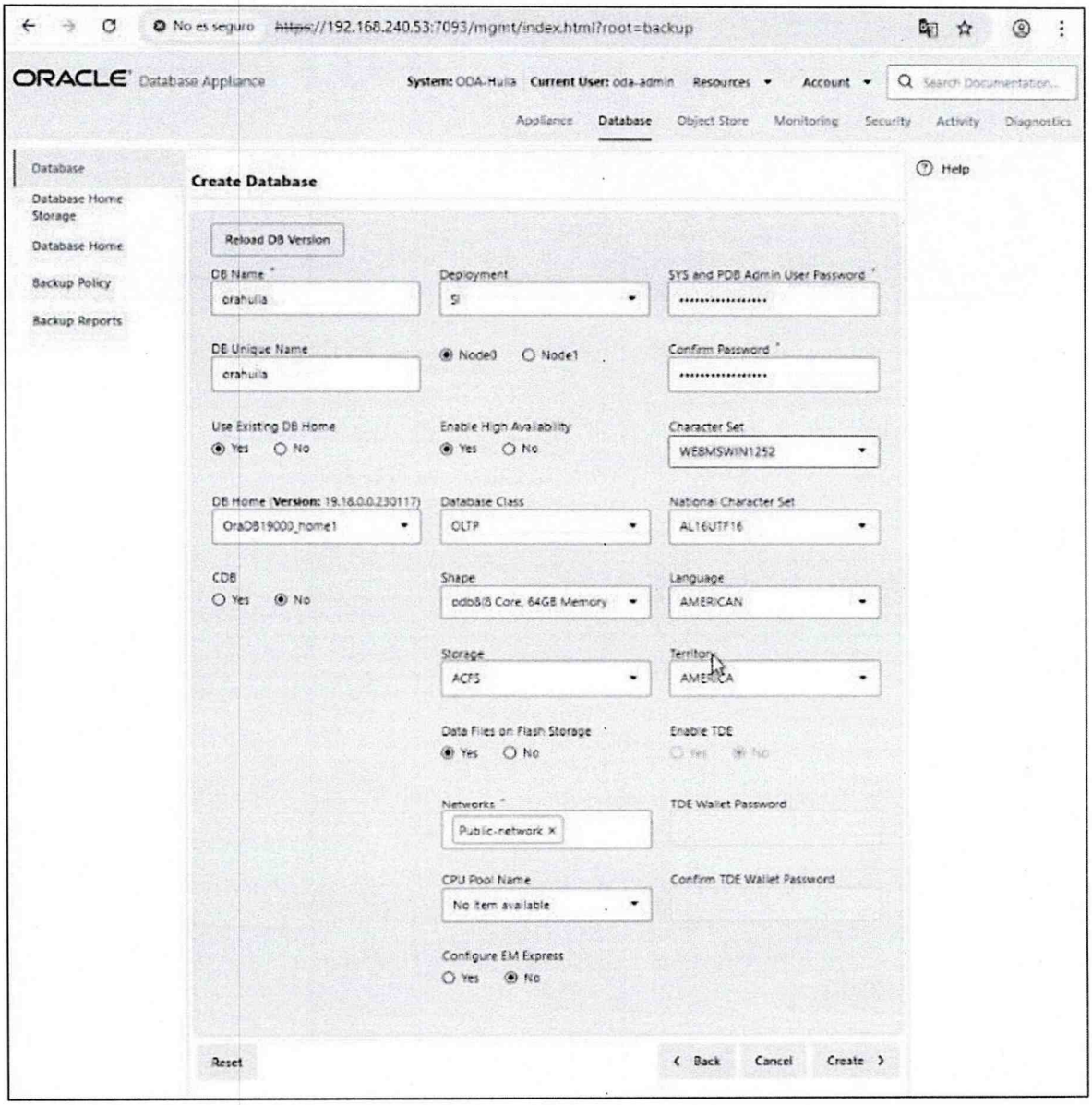
```
System node Name
---------------
timana

Local System Version
---------------
19.18.0.0.0

Component                                Installed Version    Available Version
---------------------------------------- -------------------- --------------------
OAK
                                         19.18.0.0.0          up-to-date
GI
                                         19.18.0.0.230117     up-to-date
DCSCONTROLLER
                                         19.18.0.0.0          up-to-date
DCSCLI
                                         19.18.0.0.0          up-to-date
DCSAGENT
                                         19.18.0.0.0          up-to-date
DCSADMIN
                                         19.18.0.0.0          up-to-date
OS
                                         7.9                  up-to-date
ILOM
                                         5.1.0.23.r146986     up-to-date
BIOS
                                         30370100             up-to-date
LOCAL CONTROLLER FIRMWARE {
[c0]
                                         4.650.00-7176        up-to-date
[c4]
                                         800005DD             up-to-date
[c5]
                                         800005DE             up-to-date
}
SHARED CONTROLLER FIRMWARE
                                         16.00.08.00          up-to-date
FIRMWAREEXPANDER
                                         001E                 up-to-date
LOCAL DISK FIRMWARE
                                         A7E0                 up-to-date
SHARED DISK FIRMWARE {
[c1d0,c1d1,c1d2,c1d3,c1d4,c1d5,c1d6,
c1d7,c1d8,c1d9,c1d10,c1d11,c1d12,c1d13,
c1d14,c1d15,c2d0,c2d1,c2d2,c2d3,c2d4,
c2d5,c2d6,c2d7,c2d8,c2d9,c2d10,c2d11,
c2d12,c2d13,c2d14,c2d15]                 PD51                 up-to-date
[c1d16,c1d17,c1d18,c1d19,c1d20,c1d21,
c1d22,c1d23,c2d16,c2d17,c2d18,c2d19,
c2d20,c2d21,c2d22,c2d23]                 A29A                 up-to-date
}
HMP
                                         2.4.8.9.604          up-to-date

[root@saladoblanco ~]#
```

14. Creacion de la Base de Datos: orahuila



```
[root@saladoblanco ~]# odacli describe-job -i 67da0930-7bd2-4827-bb48-19177f38537e

Job details
----------------
                     ID:  67da0930-7bd2-4827-bb48-19177f38537e
            Description:  Database service creation with db name: orahuila
                 Status:  Success
                Created:  July 5, 2025 3:40:48 PM COT
                Message:

Task Name                                Node Name                Start Time                      End Time                        Status
---------------------------------------- ------------------------ ------------------------------- ------------------------------- ----------
Setting up ssh equivalance               saladoblanco             July 5, 2025 3:40:57 PM COT     July 5, 2025 3:41:00 PM COT     Success
Setting up ssh equivalance               saladoblanco             July 5, 2025 3:41:00 PM COT     July 5, 2025 3:41:03 PM COT     Success
Creating volume flaorahuila              saladoblanco             July 5, 2025 3:41:03 PM COT     July 5, 2025 3:41:25 PM COT     Success
Creating volume reco                     saladoblanco             July 5, 2025 3:41:25 PM COT     July 5, 2025 3:41:55 PM COT     Success
Creating volume redo                     saladoblanco             July 5, 2025 3:41:55 PM COT     July 5, 2025 3:42:17 PM COT     Success
Creating ACFS filesystem for FLASH       saladoblanco             July 5, 2025 3:42:17 PM COT     July 5, 2025 3:42:34 PM COT     Success
Creating ACFS filesystem for RECO        saladoblanco             July 5, 2025 3:42:34 PM COT     July 5, 2025 3:44:08 PM COT     Success
Creating ACFS filesystem for REDO        saladoblanco             July 5, 2025 3:44:08 PM COT     July 5, 2025 3:44:25 PM COT     Success
Database Service creation                saladoblanco             July 5, 2025 3:44:27 PM COT     July 5, 2025 3:55:23 PM COT     Success
Database Creation by RHP                 saladoblanco             July 5, 2025 3:44:27 PM COT     July 5, 2025 3:52:45 PM COT     Success
Change permission for xdb wallet files   timana                   July 5, 2025 3:52:45 PM COT     July 5, 2025 3:52:45 PM COT     Success
Place SnapshotCtrlFile in sharedLoc      saladoblanco             July 5, 2025 3:52:45 PM COT     July 5, 2025 3:52:49 PM COT     Success
SqlPatch upgrade                         saladoblanco             July 5, 2025 3:53:55 PM COT     July 5, 2025 3:54:04 PM COT     Success
Running dbms_stats init_package          saladoblanco             July 5, 2025 3:54:04 PM COT     July 5, 2025 3:54:06 PM COT     Success
Set log_archive_dest for Database        saladoblanco             July 5, 2025 3:54:06 PM COT     July 5, 2025 3:54:09 PM COT     Success
Updating the Database version            timana                   July 5, 2025 3:54:09 PM COT     July 5, 2025 3:54:13 PM COT     Success
Create Users tablespace                  saladoblanco             July 5, 2025 3:55:23 PM COT     July 5, 2025 3:55:26 PM COT     Success
Clear all listeners from Databse (c87c2a90-c9ad-45a2-9be4-ce0c52e981c5) saladoblanco             July 5, 2025 3:55:26 PM COT     July 5, 2025 3:55:27 PM COT     Success
Copy Pwfile to Shared Storage            saladoblanco             July 5, 2025 3:55:30 PM COT     July 5, 2025 3:55:32 PM COT     Success
Configure All Candidate Nodes            saladoblanco             July 5, 2025 3:55:32 PM COT     July 5, 2025 3:55:36 PM COT     Success

[root@saladoblanco ~]#
```

ID: c87c2a90-c9ad-45a2-9be4-ce0c52e981c5
Description: orahuila
DB Name: orahuila
DB Version: 19.18.0.0.230117
DB Type: SI
DB Role: PRIMARY
DB Edition: SE
DBID: 2233458901
CDB: false
PDB Name:
PDB Admin User Name:

Character Set: WE8MSWIN1252
NLS Character Set: AL16UTF16
Language: AMERICAN
Territory: AMERICA

TDE Enabled: false
High Availability Enabled: true
Target Node Name: saladoblanco
Class: OLTP
Shape: odb8
Storage: ACFS (Auto-expanding)
DATA:
Location: /u02/app/oracle/flashdata/orahuila
Used Space: 2.51 GB
Free Space: 97.48 GB
REDO:
Location: /u04/app/oracle/redo/
Used Space: 6.64 GB
Free Space: 39.35 GB
RECO:
Location: /u03/app/oracle/fast_recovery_area/
Used Space: 6.04 GB
Free Space: 2.67 TB
DB Redundancy:
CPU Pool:
EM Express Enabled: false
Home ID: b352ad99-5932-4511-ad2e-73271274bc5c
Home Location: /u01/app/odaorahome/oracle/product/19.0.0.0/dbhome_1
Status: CONFIGURED
Auto Backup Enabled: false
Backup Destination:
Backup Container Name:
Created: Sat, Jul 5, 2025, 03:40:48 PM GMT-5
DB Domain Name: huila.local
Networks: Public-network

15. Creación de los Tablespaces

```
CREATE SMALLFILE TABLESPACE ALMACEN DATAFILE SIZE 1G;

CREATE SMALLFILE TABLESPACE SDE DATAFILE SIZE 4G;

CREATE SMALLFILE TABLESPACE SIFA_DATOS DATAFILE SIZE 34359721984;

ALTER TABLESPACE SIFA_DATOS ADD DATAFILE SIZE 34359721984;
ALTER TABLESPACE SIFA_DATOS ADD DATAFILE SIZE 34359721984;
ALTER TABLESPACE SIFA_DATOS ADD DATAFILE SIZE 34359721984;
ALTER TABLESPACE SIFA_DATOS ADD DATAFILE SIZE 34359721984;
ALTER TABLESPACE SIFA_DATOS ADD DATAFILE SIZE 34359721984;

CREATE SMALLFILE TABLESPACE SIFA_INDEX DATAFILE SIZE 20G;
```

Script Output

Task completed in 225.138 seconds

```
TABLESPACE ALMACEN created.


TABLESPACE SDE created.


TABLESPACE SIFA_DATOS created.


TABLESPACE SIFA_DATOS altered.


TABLESPACE SIFA_DATOS altered.


TABLESPACE SIFA_DATOS altered.

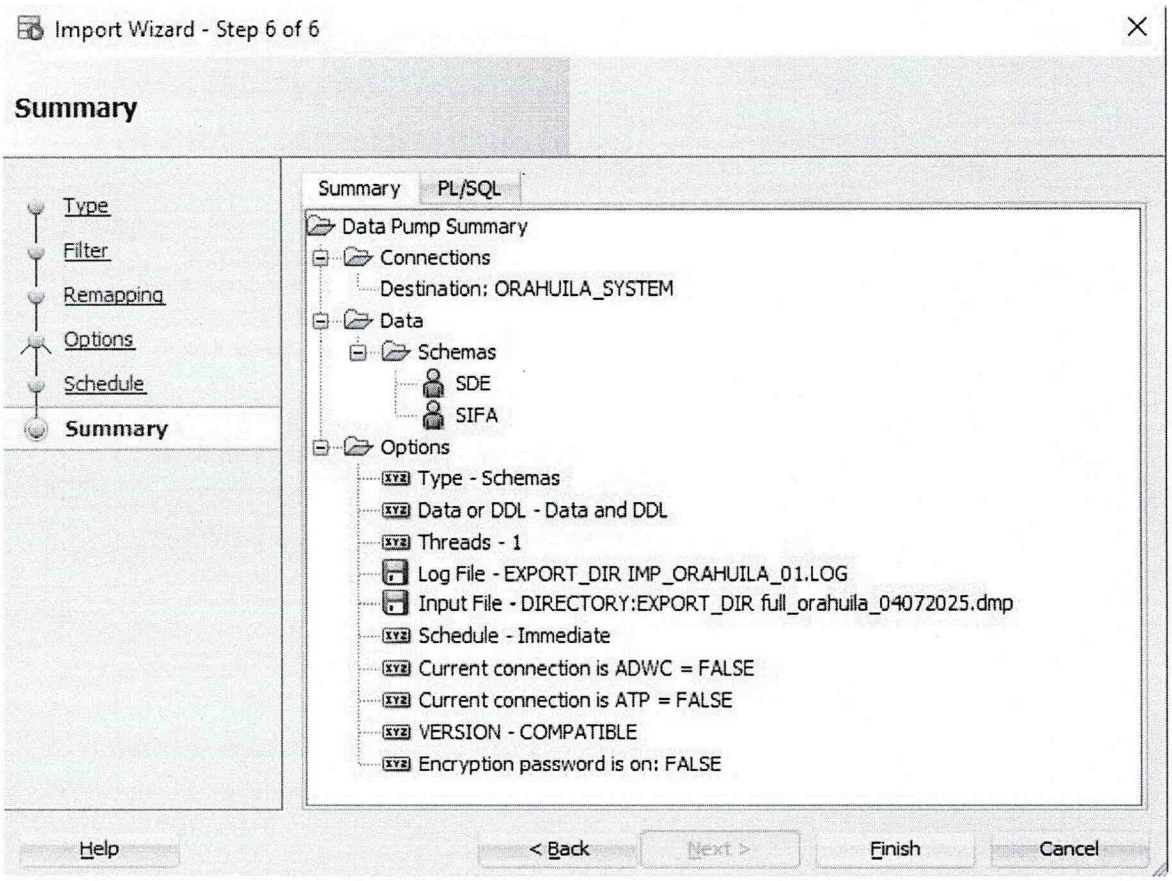

TABLESPACE SIFA_DATOS altered.


TABLESPACE SIFA_DATOS altered.


TABLESPACE SIFA_INDEX created.
```

	Tablespace Name	Allocated (MB)	Free (MB)	Used (MB)	% Free	% Used	Max. Bytes (MB)
1	USERS	5	4	1	80	20	32768
2	TEMP	20	20	0	100	0	32768
3	UNDOTBS1	50	1	49	1	99	32768
4	SYSAUX	670	8	662	1	99	32768
5	SYSTEM	1010	3	1007	0	100	32768
6	ALMACEN	1024	1023	1	100	0	32768
7	SDE	4096	4095	1	100	0	32768
8	SIFA_INDEX	20480	20479	1	100	0	32768
9	SIFA_DATOS	196608	196602	6	100	0	196608

16. Import de los esquemas SDE y SIFA




```
Import>  Status

Job: IMP_ORAHUILA_01
  Operation: IMPORT
  Mode: SCHEMA
  State: COMPLETING
  Bytes Processed: 109,019,867,328
  Percent Done: 100
  Current Parallelism: 1
  Job Error Count: 0
  Job heartbeat: 1
  Dump File: /ORABKP/EXPPD/ORAHUILA/full_orahuila_04072025.dmp

Worker 1 Status:
  Instance ID: 1
  Instance name: orahuila
  Host name: saladoblanco
  Object start time: Saturday, 05 July, 2025 18:37:29
  Object status at: Saturday, 05 July, 2025 18:37:30
  Process Name: DW00
  State: SUCCESS
```

17. Conteo de objetos invalidos posterior al import de data al ODA 19.18

```
select OWNER, OBJECT_TYPE, OBJECT_NAME, CREATED, LAST_DDL_TIME, ORACLE_MAINTAINED
from all_objects
where status = 'INVALID' and ORACLE_MAINTAINED='N'
order by OWNER, OBJECT_TYPE
```

ript Output x | Query Result x

SQL | All Rows Fetched: 16 in 0.07 seconds

	OWNER	OBJECT_TYPE	OBJECT_NAME	CREATED	LAST_DDL_TIME	ORACLE_
1	SDE	PACKAGE BODY	VERSION_USER_DDL	05/07/25	05/07/25	N
2	SDE	PACKAGE BODY	ST_RELATION_OPERATORS	05/07/25	05/07/25	N
3	SDE	PACKAGE BODY	ST_GEOMETRY_OPERATORS	05/07/25	05/07/25	N
4	SDE	PACKAGE BODY	PINFO_UTIL	05/07/25	05/07/25	N
5	SDE	PACKAGE BODY	LOCK_UTIL	05/07/25	05/07/25	N
6	SDE	TYPE BODY	ST_GEOMETRY	05/07/25	05/07/25	N
7	SIFA	FUNCTION	QUEST_SL_REPOS_SAVE	05/07/25	05/07/25	N
8	SIFA	PACKAGE	QUEST_SL_SCHEDULED_COLLECTOR	05/07/25	05/07/25	N
9	SIFA	PACKAGE BODY	QUEST_SL_ERRORS_PKG	05/07/25	05/07/25	N
10	SIFA	PACKAGE BODY	QUEST_SL_SCHEDULED_COLLECTOR	05/07/25	05/07/25	N
11	SIFA	PROCEDURE	QUEST_SL_REPOS_ROLE	05/07/25	05/07/25	N
12	SIFA	VIEW	PRES_VI_FUENTUSOS	05/07/25	05/07/25	N
13	SIFA	VIEW	TESO_VI_IMPORCONCE	05/07/25	05/07/25	N
14	SIFA	VIEW	TESO_VI_IMPORFINAN	05/07/25	05/07/25	N
15	SIFA	VIEW	TESO_VI_IMPORMOVIM	05/07/25	05/07/25	N
16	SIFA	VIEW	TESO_VI_IMPORDEPEN	05/07/25	05/07/25	N

18. Cadena de conexión para la base de datos orahuila

