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Check-list for a iAS production node

Quick guide:

- Go directly to validation page and check if the necessary container on the stand-by machine is running
- Make the DNS switch
- Update the banner (.bash_profile) on the host
- If is not a temporary solution, stop all unnecessary containers running on that node by `dcctl stop -co <container_name>`
- Update machine list on excel file at `/afs/cern.ch/project/dbgroup/www/private/ps/`

All steps:

Before putting a spare machine in a production environment, don't forget to check the following list in order to see if it follows the configuration.

- Stop application server
- Check existing containers
- Check datasources
- Change init scripts
- Start application server
- Check if endpoints are reachable
- Modify banner
- Put machine in production (DNS switch)
- Modify banner in new spare machine

The commands should be performed from the machine logged in as oracle.

1. Stop application server

To stop application server use:

```
sudo /etc/init.d/oracle_ias stop
```

If not all opmn processes are killed, then you can either kill them or just reboot (send an e-mail to Computer.Operations@cern.ch and Sysadmin.Support@cern.ch

or phone 75011 before) the machine:

```
sudo reboot
```

Note: After a reboot, the HTTP Server and the VOs that were up and running are automatically restarted. Don't forget to stop them.

2. Check Existing containers

- **Check:** existing containers and their state:

```
dcctl getstate -v
```

- **Check:** all with the "**In Sync Status**" as **True**. If not, try to run:

```
dcmctl updateconfig -v -d
```

- **Check:** All containers should have 2 applications (LRC and RMC).

```
dcmctl listapplications -co cms
```

- **If** need to undeploy and deploy web-apps.

3. Check Datasources

- **Check:** datasources point to the right database host and sid, **for each** VO you should check the file:

```
$ORACLE_HOME/j2ee/<VO>/config/data-sources.xml
```

- **Check:** Exists one <data-source> for each catalog (LRC and RMC).

- in the url attributes it specify the database host and the sid. In the example bellow:

```
url="jdbc:oracle:thin:@lxshare071d:1521:rls1"
```

- in the **username** and **password** attributes you can check if they correspond to the existing database users.

- Compare the information with the one in the Excel sheet. If necessary to change the data-sources check the instructions to Datasource Reconfiguration

4. Change init scripts

Is necessary to edit the file `/etc/iastab` and put a Y in front of the containers should run on this machine. For example:

```
home:N  
alice:N  
atlas:Y  
cms:N  
lhcb:N
```

5. Start application server

```
sudo /etc/init.d/oracle_ias start
```

If that does not work you can always run:

```
dcmctl start -co <container>
```

6. Check if endpoints are reachable

To validate please use the Validation page in the RLS installations and deployment section.

8. Modify the banner at interactive login

Update the file `.bash_profile` file with the correct message, setting:

- correct VO and alias

- "PRODUCTION MACHINE" instead of "STAND-BY MACHINE"

It should look something like:

```
STATUS: OS installed after 16.Oct.2003
      iAS installed after 17.Oct.2003 (manjo)
```

```
installed RLS 2.0.2: alice, atlas, cms, dteam, lhcb
running endpoints: alice LRC, alice RMC
-> lxshare0217 - PRODUCTION MACHINE - rlsalice <-
```

9. Put machine in production

To change with a currently production machine, use DNS switch.

10. Modify the banner on the new spare machine

If you switch the machine, don't forget to change the banner in `.bash_profile` in the old machine to SPARE MACHINE

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