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Patching with Patch Application Assistant

PAA (Patch Application Assistant) is a tool to generate customized installation instructions for a patch in Oracle Applications R12 that helps user to track and perform manual steps during patching.

We can run **admsi.pl** (Patch Application Assistant) in two mode

A) GUI (Graphical User Interface)

B) CLI (Command Line Interface)

As an example, we will apply a patch with help of PAA ((admsi.pl) .To know more about Oracle patching, we can follow below Metalink note.

Oracle Applications Patching FAQ for Release 12 Note: 459156.1

Readme.html file of a downloaded patch looks as shown below:

| Abstract | |
|---|----------------------|
| R12.AD.A.DELTA.3 | |
| Update | 6272715 |
| Product | Applications DBA |
| Release | R12 |
| Platform | Linux x86 |
| Built | OCT-24-2007 08:23:44 |
| Instructions | |
| Instructions For Applying This Patch | |
| Execute the following command to generate your instance specific installation instructions | |
| <pre>1. Source the Applications environment file</pre> | |
| <pre>2. Run the Patch Application Assistant by entering "admsi.pl".</pre> | |
| The generic instructions for this patch are: | |
| Preparation Tasks | |
| The tasks in this section can be completed without taking any Applications services or users offline. | |
| <i>There are no tasks to be performed in this section.</i> | |
| Pre-install Tasks | |
| You must shut down all Application tier services before performing the tasks in this section. | |

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It is mentioned in the readme.html file that we will first set the environment, which means setting the relevant paths for the environment variables.

So if we will type `$ echo $ORACLE_HOME`, it will show the Oracle home path.

[How to run PAA \(Patch Application Assistant in command line interface\)](#)

Step 1: Set environment variable

```
$ cd /d01/oracle/ apps/ apps_st/ appl/  
$. ./APPSPROD_erp.env
```

Step 2: Run PAA using admsi.pl

```
$ cd $AD_TOP/bin  
$ perl admsi.pl -patch_top=(patch_top-directory)-appspass=(apps_password)  
  
perl admsi.pl -patch_top=[patch-top-directory]-appspass=[apps-password]
```

For an example we will generate PAA report for R12 patch (6272715) and run it as shown below

```
perl $AD_TOP/bin/admsi.pl -patch_top=/stage/ oracle/ patches/ r12/  
6272715 -appspass=apps
```

Gathering Information..

Logfile for this session is located at admsi.log

Generating installation instructions for patch 6272715

Updating database....

install_6272715.html generated successfully

It will generate a report in text/html as shown above. Just view this report to do manual patching steps in R12 for this particular patch.

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How to run PAA (Patch Application Assistant in Graphical User Interface

Step 1: Set environment variable

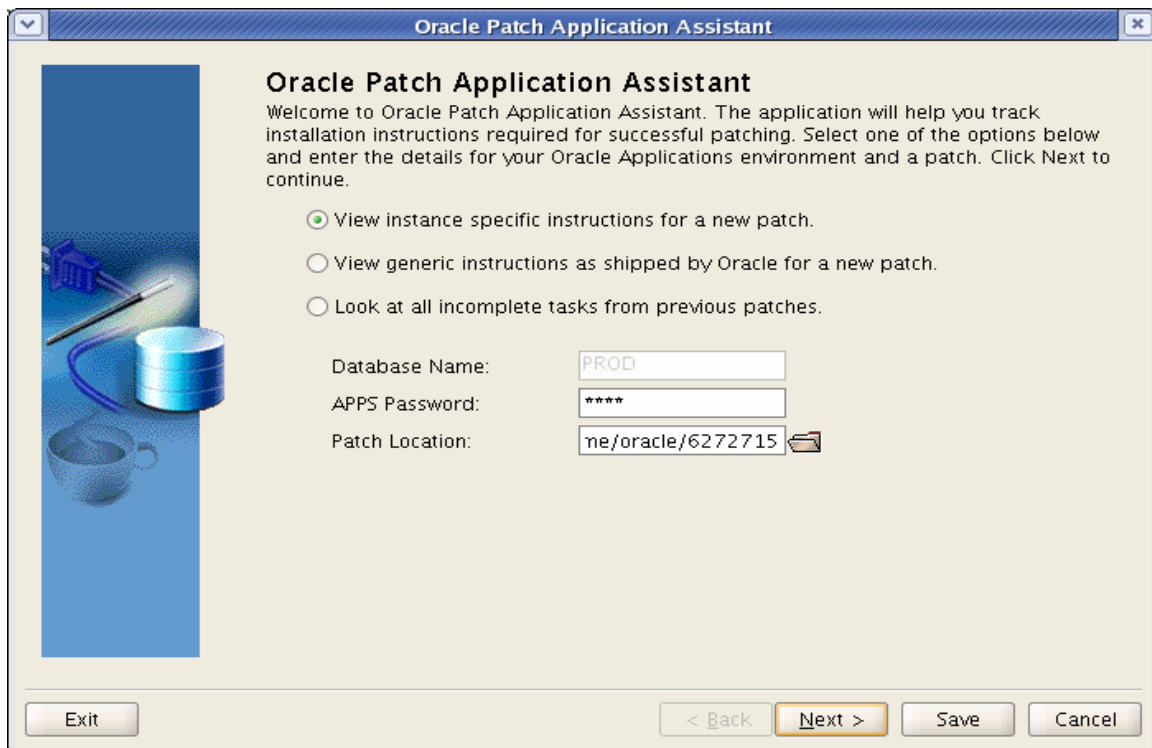
```
$ cd /d01/oracle/ apps/ apps_st/ appl/  
$. ./APPSPROD_erp.env
```

Step 2: Run PAA using admsi.pl

```
$ cd $AD_TOP/bin  
$ perl admsi.pl
```

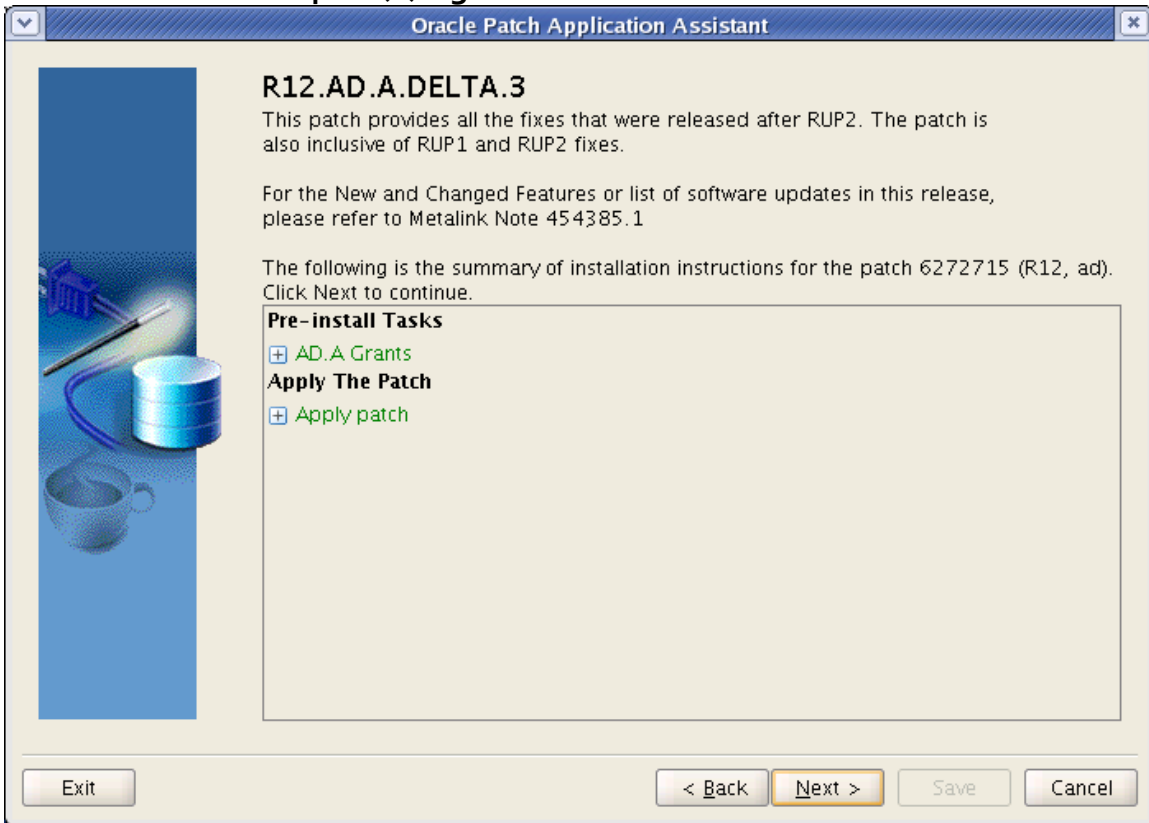
Screen of PAA looks like as shown below

- Step 3:**
- *Enter apps password.
 - *Select the patch location by clicking the folder icon.
 - * Click Next



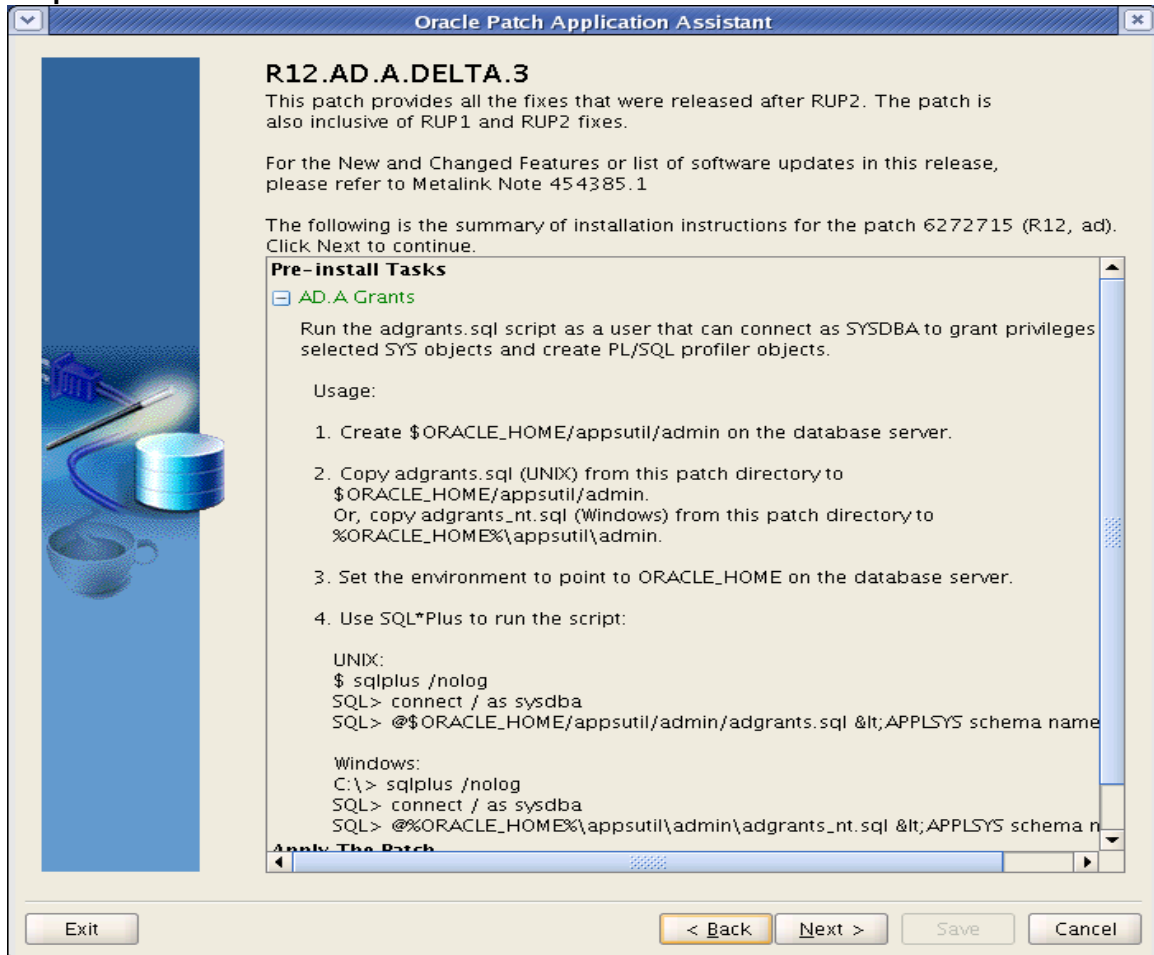
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Step 4: The above screen telling us the activities need to be performed. So first we will click the plus (+) sign of Pre-install Tasks.



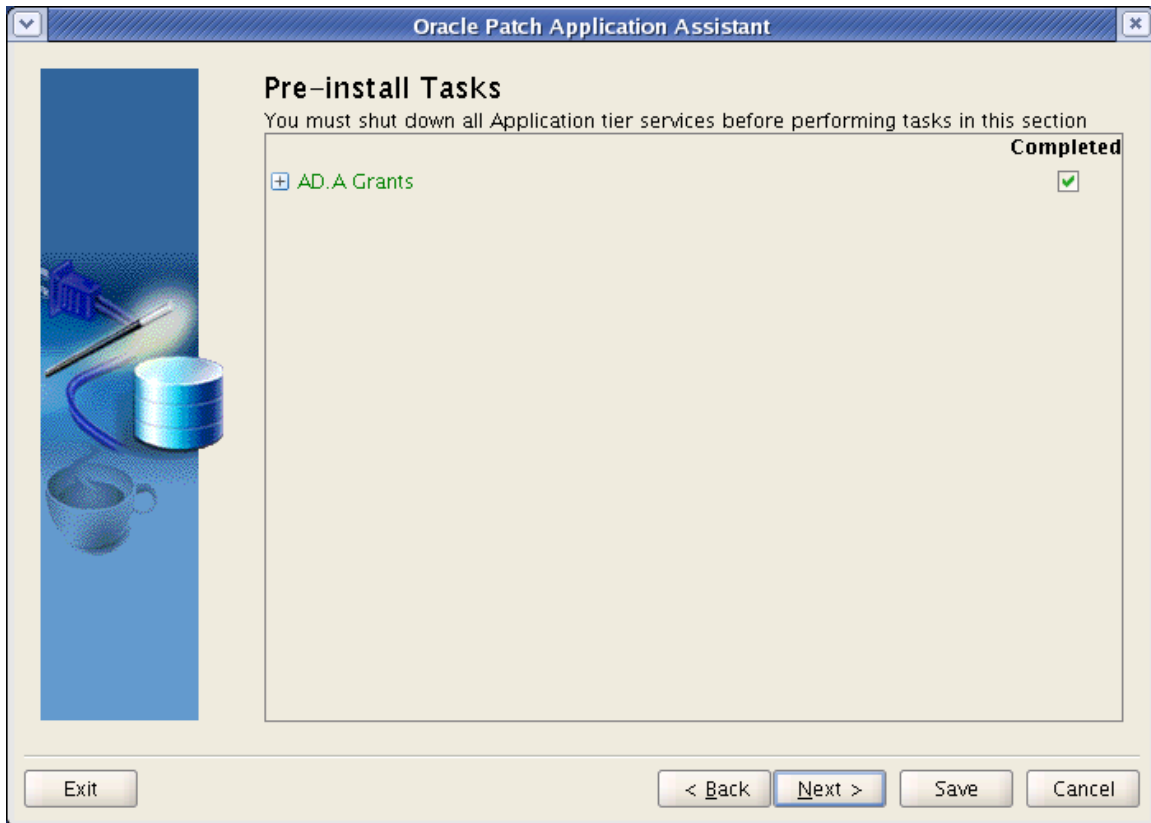
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Step 5: The Pre-install tasks for this patch are listed (as shown below), so we will perform each task by using a terminal window. After performing these steps click Next.



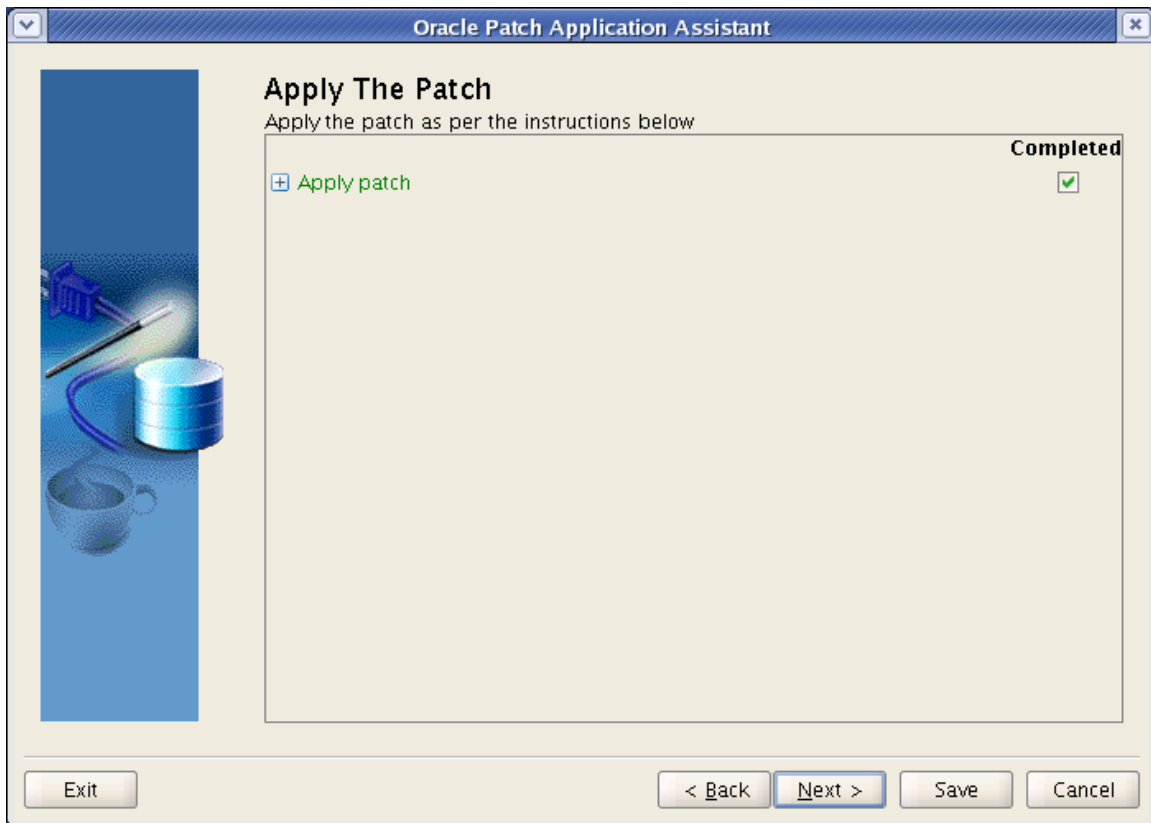
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Step 6: If all the tasks are successfully performed then enable completed check box and click Next.



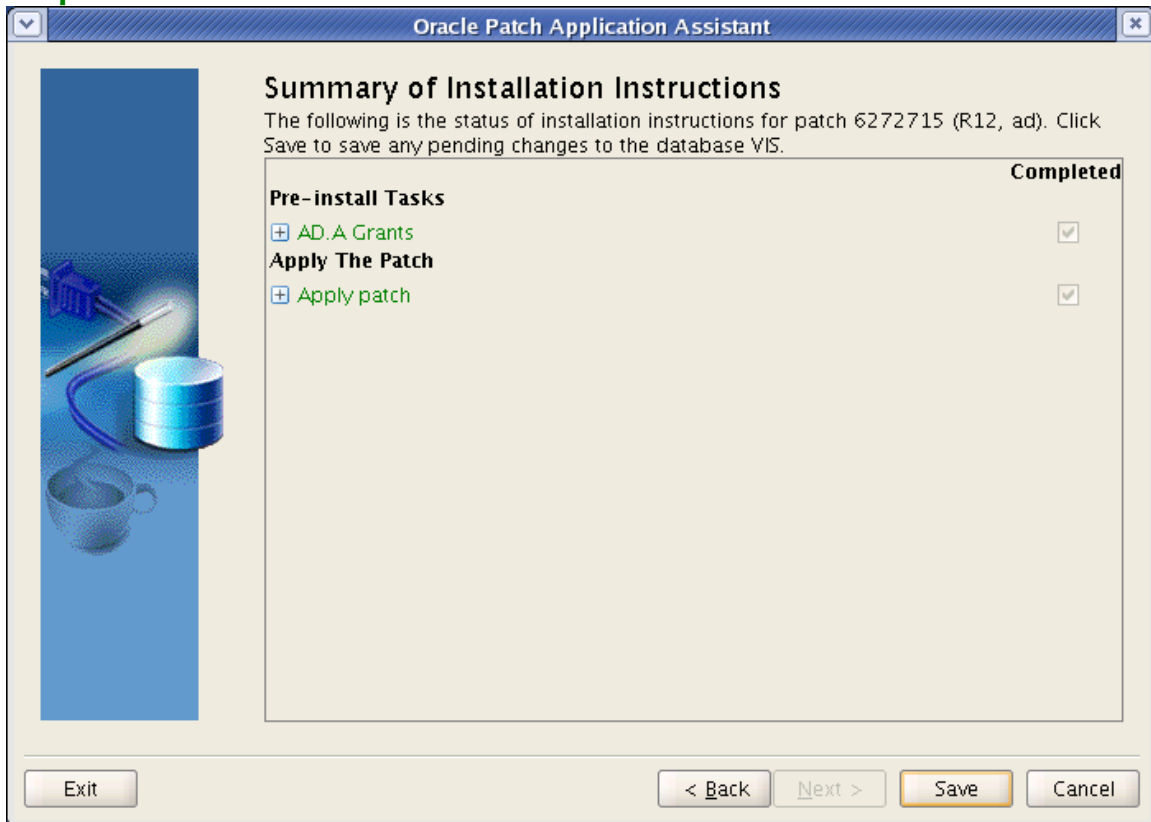
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Step 7: Click the plus (+) sign and follow the instructions, which will use adpatch to apply the patch. After successfully applying the patch click on **Next**.



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Step 8: Click on Save



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Step 9: Click on OK

