

**Oracle® Communications**  
**EAGLE Element Management System Reporting Studio**  
**Upgrade/Installation Guide**  
Release 46.3  
**E78339 Revision 3**

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**ORACLE®**

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Before beginning this procedure, contact My Oracle Support and inform them of your upgrade plans. Refer to Appendix A for instructions on accessing My Oracle Support.

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## 1.0 INTRODUCTION

### 1.1 Purpose and Scope

The scope of this document is to describe the installation, upgrade and configuration of Reporting Studio release 46.3 to be used with release 46.3 of OCEEMS.

### 1.2 Acronyms and Terminology

TERM	DESCRIPTION
Ad Hoc Reporting	Creating reports on the fly without any predefined template.
Configuration	Managing i-net Clear Reports configurations. A configuration contains all options to configure i-net Clear Reports.
Data Source Configuration	Configuring the data sources to be used for report generation.
OCEEMS Reporting Studio	Term used for all the reporting features accessible from OCEEMS
Report Designer	An interface for designing and editing report templates files.
Repository	Directory containing existing reporting templates
Schedule	Scheduling report templates to generate reports at desired time.
Template	i-net Clear Reports template (.rpt format) for creating report.

**Table 1: Acronyms and Terminology**

---

## 1.1 OCEEMS Installation/Upgrade Overview

### 1.1.1 Installation Phases for Reporting Studio version 15

**Note:** This case is for first time installation of i-net clear reports version 15.

Phase	Elapsed Time (Minutes)		Activity	Procedure
	This Step	Cumulative		
Pre-Requisite	5	5	System Readiness check	<a href="#">Section 2.1</a>
Installation	20	25	Install the i-net Clear reports version 15	<a href="#">Section 2.2</a>
Configuration	60	85	Configure the i-net clear reports version 15	<a href="#">Section 3.1</a>

**Table 2: Installation Phases for Reporting Studio version 15**

**1.1.2 Upgrade procedure for reporting studio version 15**

**Note:** This case is for upgrade from i-net clear reports version 12 to version 15

Phase	Elapsed Time (Minutes)		Activity	Procedure
	This Step	Cumulative		
Pre-Requisite	5	5	System Readiness check	<a href="#">Section 2.1</a>
Upgrade	30	35	Upgrade to i-net Clear reports version 15	<a href="#">Section 2.3</a>
Configuration	60	95	Configure the i-net clear reports version 15	<a href="#">Section 3.2</a>

**Table 3: Upgrade Phases for Reporting Studio version 15**

## 2.0 INSTALLATION/UPGRADE OF REPORTING STUDIO R46.3 (I-NET CLEAR REPORTS 15.X)

Reporting Studio 46.3 is based on i-net Clear Reports version 15.x. The earlier versions of Reporting Studio were based on i-net Clear Reports version 12.x. Therefore, an upgrade path shall also be available for customers using version 46.2 of Reporting Studio. Customers using version 46.3 need not to upgrade Reporting Studio.

### 2.1 PRE-REQUISITE

#### 1. Disk space requirement in /tmp

To run i-net Clear Reports version 15.x, the size of '/tmp' directory should be greater than 1GB. This is a system requirement for i-net Clear reports and cannot be changed.

#### 2. Contents of Reporting Studio zip file

The following items shall be available inside the Reporting Studio 46.3 ISO

S. No.	ITEM	NAME	PURPOSE
1	i-net Clear Reports Multi-Platform zip	clear-reports-<version>.zip Current name is clear-reports-15.1.318.zip.	Installation zip for i-net Clear Reports
2	E5MS Filter Jar	E5msFilter-<version>.jar	Used for Reporting Studio functionality
3	NMS Server Classes Jar	NmsServerClasses.jar	Used for Reporting Studio functionality
4	MySQL JDBC Connector Jar	mysql-connector-java.jar	Used to create connection to EAGLE Element Management System's database

The i-net Clear Reports Multi-Platform installation zip (item 1 in above table) shall be used for installation/upgrade of i-net Clear Reports 15.x. The rest of the items in the zip file (items 2, 3 and 4 in above table) shall be used after installation of i-net Clear Reports.

#### 3. License key from i-net Clear reports

A valid license for i-net Clear Reports version 15.x should be available on the system before proceeding with installation/upgrade to Reporting Studio 46.3. In case the license for i-net Clear Reports version 15.x is not available, contact My Oracle Support. Refer to Appendix A for instructions on accessing My Oracle Support.

### 2.2 Installation of Reporting Studio

The steps for installation of Reporting Studio 46.3 are given below. **These steps should be performed by super user 'root'**. Installation process shall take around 20 minutes.

1. Unzip the Reporting Studio zip file using the command given below –

```
# unzip <Reporting Studio zip> -d reporting-studio
```

```
[root@e5ms12 zip]# unzip reporting-46.5.0.0.0-465.9.0.zip -d reporting-studio
Archive:  reporting-46.5.0.0.0-465.9.0.zip
  extracting: reporting-studio/clear-reports-15.1.318.zip
  inflating: reporting-studio/E5msFilter-46.5.0.0.0-465.9.0.jar
  inflating: reporting-studio/mysql-connector-java.jar
  inflating: reporting-studio/NmsServerClasses.jar
```

2. Move to the new reporting-studio directory created in above step and verify the contents of reporting studio zip file as shown in the screenshot below –

```
[root@e5ms12 zip]# cd reporting-studio/
[root@e5ms12 reporting-studio]# ls -ltr
total 197812
-rw-r--r-- 1 root root 8682589 Jul 6 12:41 NmsServerClasses.jar
-rw-r--r-- 1 root root 960374 Jul 6 12:41 mysql-connector-java.jar
-rw-r--r-- 1 root root 192901777 Jul 6 12:41 clear-reports-15.1.318.zip
-rw-r--r-- 1 root root 7933 Jul 6 12:45 E5msFilter-46.5.0.0.0-465.9.0.jar
```

- Unzip the i-net Clear Reports installation zip using the command given below –

```
# unzip < clear-reports-15.1.318.zip> -d clear-reports
```

```
[root@e5ms1 reporting-studio]# unzip clear-reports-15.1.318.zip -d clear-reports
Archive: clear-reports-15.1.318.zip
  inflating: clear-reports/readme.html
  inflating: clear-reports/setup.bat
  inflating: clear-reports/setup.sh
  inflating: clear-reports/setup.jar
   creating: clear-reports/lib/
   creating: clear-reports/lib/exe/
   creating: clear-reports/lib/tpl/
   creating: clear-reports/lib/tpl/clearreports/
   creating: clear-reports/lib/tpl/clearreports-setup/
   creating: clear-reports/lib/tpl/clearreports-setup/tags/
   creating: clear-reports/lib/tpl/clearreports/images/
  inflating: clear-reports/lib/exe/css.php.t.clearreports-setup.css
  inflating: clear-reports/lib/tpl/clearreports-setup/tags/advanced.png
  inflating: clear-reports/lib/tpl/clearreports-setup/tags/basicsyntax.png
  inflating: clear-reports/lib/tpl/clearreports-setup/tags/beforereading.png
  inflating: clear-reports/lib/tpl/clearreports-setup/tags/crystalsyntax.png
  inflating: clear-reports/lib/tpl/clearreports-setup/tags/plusfeature.png
  inflating: clear-reports/lib/tpl/clearreports-setup/tags/whileprinting.png
  inflating: clear-reports/lib/tpl/clearreports-setup/tags/whilereading.png
  inflating: clear-reports/lib/tpl/clearreports/images/background-bottom-light.jpeg
  inflating: clear-reports/lib/tpl/clearreports/images/bullet.gif
  inflating: clear-reports/lib/tpl/clearreports/images/buttonshadow.png
  inflating: clear-reports/lib/tpl/clearreports/images/favicon.ico
  inflating: clear-reports/lib/tpl/clearreports/images/logo.png
```

- cd to the new clear-reports directory created in above step and verify its contents as shown in the screenshot below –

```
# cd clear-reports
```

```
[root@e5ms1 reporting-studio]# cd clear-reports
[root@e5ms1 clear-reports]# ls -ltr
total 189688
-rwxr-xr-x. 1 root root 608 Jun 2 13:07 setup.sh
-rw-r--r--. 1 root root 590 Jun 2 13:07 setup.bat
-rw-r--r--. 1 root root 194213313 Jun 2 13:11 setup.jar
-rw-r--r--. 1 root root 4666 Jun 2 13:14 readme.html
drwxr-xr-x. 4 root root 4096 Jun 2 13:14 lib
```

- Execute the installer script using the command given below -

```
# java -Djava.awt.headless=true -jar setup.jar
```

Log messages given in 6.0 are shown.

- Provide input 1 as shown below to accept the terms of the i-net license agreement -



```

Ã© Copyright 1996 - 2015, i-net software GmbH; All rights Reserved.
1 - I accept the terms of this license agreement.
2 - I do not accept the terms of this license agreement.
Please select : 1

```

7. Provide input 2 as shown below to choose the “as Daemon (System)” option -

```

=====
Select an installation environment
-----

1 - Standalone Server
2 - as Daemon (System)
3 - IBM WebSphere 7 and higher
4 - Oracle WebLogic Server 11 and higher
5 - Apache Tomcat 6 and higher
6 - Apache 2.2/2.4 with PHP (System)
7 - Jetty Webserver 7 and higher
8 - JBoss Application Server 4 and higher
9 - GlassFish Application Server 2 and higher
10 - Generic Servlet
Please select (2): 2

```

8. Press Enter to proceed with the default installation directory -

```

=====
Select a path to install
-----

Installation Path (/opt/i-net Clear Reports 15) :

```

9. Provide input 1 as shown below for creating a new configuration -

```

=====
Create Configuration
-----

1 - Create a new configuration
Please select (1): 1

```

10. Provide input 1 as shown below to set Scope as ‘System’ -

```

Scope :
1 - System
Please select (1): 1

```

11. Provide a desired name for configuration (e.g. reporting) and press Enter to proceed.

```

Name of the new configuration: reporting

```

12. Provide input 1 as shown below to select Default Configuration -

```

1 - Default Configuration
2 - Copy from a local Configuration
3 - Import crystalclear.properties
Please select (1): 1

```

13. Provide input 1 as shown below to proceed with Existing License -

```

=====
License for i-net Clear Reports.
-----

1 - Existing License
2 - Trial License
3 - Plus Trial License
Please select (3): 1

```

14. Provide a valid license key -

```

License Key: : pmG6PAsOt3zzjfiECSLasjy9+l/ky8t/YK8i0i2t+UpjWGkrHX7G+XTkU4NH9oAQG
SejFi9IObus6cMuqjQZcMlFFM/cisxYXswzBw/KPGC/QsCUdZNZL7L6hxssFIhW+9b7Hjnococ7W9ZH
DOVhmmaZYxeLiw5ENnaYsQH9Yc3zZUKXS3J63CMZ9urIW5zZnFmT1Ykq7xNARN/Idi7RdvO4jkbShk8p
7etUH14xayooN9ueIsPC/IL2F4umTglw9YAZZ/OwUKEgsnCUCBse8RJVP3T5JzGzcpQLNd8Ix3a5vf1w
LxriKToBGWV7N0dtm07V2hnPnWOH1WoPyCO5A==

```

15. Press Enter to accept default Port -

```

=====
Advanced Settings
-----

TCP/IP Port (9000) :

```

16. Provide input 6 as shown below to choose login type 'Master Password', then provide a suitable password value (must have 8 characters or more) as desired -

```

Login Type:
1 - Automatic
2 - External Webserver
3 - PAM (Pluggable Authentication Modules)
4 - LDAP (Lightweight Directory Access Protocol)
5 - Database Authentication
6 - Master Password
Please select (1): 6
6
Master password (empty) : abcd@123
abcd@123
Confirm password (empty) : abcd@123
abcd@123

```

**Note:** Master password login shall be used in initial configuration of i-net Clear Reports. Logging in using the Master Password, a user gets the privilege of an admin. It is highly recommended that only system admin has access to this password and it is used as the fall back mechanism in case no others users can login to Reporting Studio from OCEEMS. The OCEEMS users shall always use the single sign on method using the 'Reporting Studio' and 'Report Designer' links provided on OCEEMS client to login to i-net Clear Reports.

17. Press Enter to proceed with installation -

```

IP Filter
Enter which IP addresses are to be allowed access to the remote interface.
Enter individual addresses or address ranges, comma-separated.
Example: 192.168.1.2, 192.168.1.5-10

Filter: █

```

18. Wait for the installation to complete -

```

=====
Install selected product
-----

Overall installation progress

0%                               50%                               100%
|-----|-----|-----|
#####

```

19. Provide input 'n' to decline the below request -

```

=====
Data for statistical analysis
-----

Enter 'y' to send brief and anonymous information about
which components were selected. This will help i-net
software to improve the flow of the setup tool and to
focus on components customers really need. No private
information such as setup paths or names will be sent. (Y/n): n

```

20. From the reporting-studio directory created in step 1, copy the E5msFilter jar and NmsServerClasses jar into the lib folder inside i-net Clear Reports installation directory (/opt/i-net Clear Reports 15/lib).

```
cp NmsServerClasses.jar E5msFilter-46.5.0.0.0-465.9.0.jar /opt/i-net\ Clear\ Reports\ 15/lib/
```

21. From the reporting-studio directory created in step 1, copy the mysql-connector-java.jar into the "lib/driver" directory inside i-net Clear Reports installation directory (/opt/i-net Clear Reports 15/lib/driver). There will already be a jar file with the same name at this location, so the user will have to overwrite the already existing file (select 'yes' when asked to overwrite the file).

```
[root@e5ms9 reporting-studio]# cp mysql-connector-java.jar /opt/i-net\ Clear\ Reports\ 15/lib/driver/
cp: overwrite `/opt/i-net Clear Reports 15/lib/driver/mysql-connector-java.jar'? yes
```

22. Now the server will already be running as daemon. Stop the server as given in 5.0 .
23. Move to directory "/Tekelec/WebNMS/bin/" and execute script 'updateInetUser.sh' to enable the non-root user operating OCEEMS to operate i-net Clear Reports.

```
# cd /Tekelec/WebNMS/bin/
# sh updateInetUser.sh
```

The script will ask for the installation directory of i-net. If default installation directory is used for installation then Press Enter, else enter the installation directory of i-net. Sample log can be found in Appendix B.

24. Start a new session using the non-root user.
25. Move to directory “/Tekelec/WebNMS/bin/” and execute script ‘changeInetTmpdir.sh’ to change the temp directory used by i-net to “/Tekelec/WebNMS/Inet\_tmpdir/” and remove dependency from system ‘/tmp’.

```
# cd /Tekelec/WebNMS/bin/
```

```
# sh changeInetTmpdir.sh
```

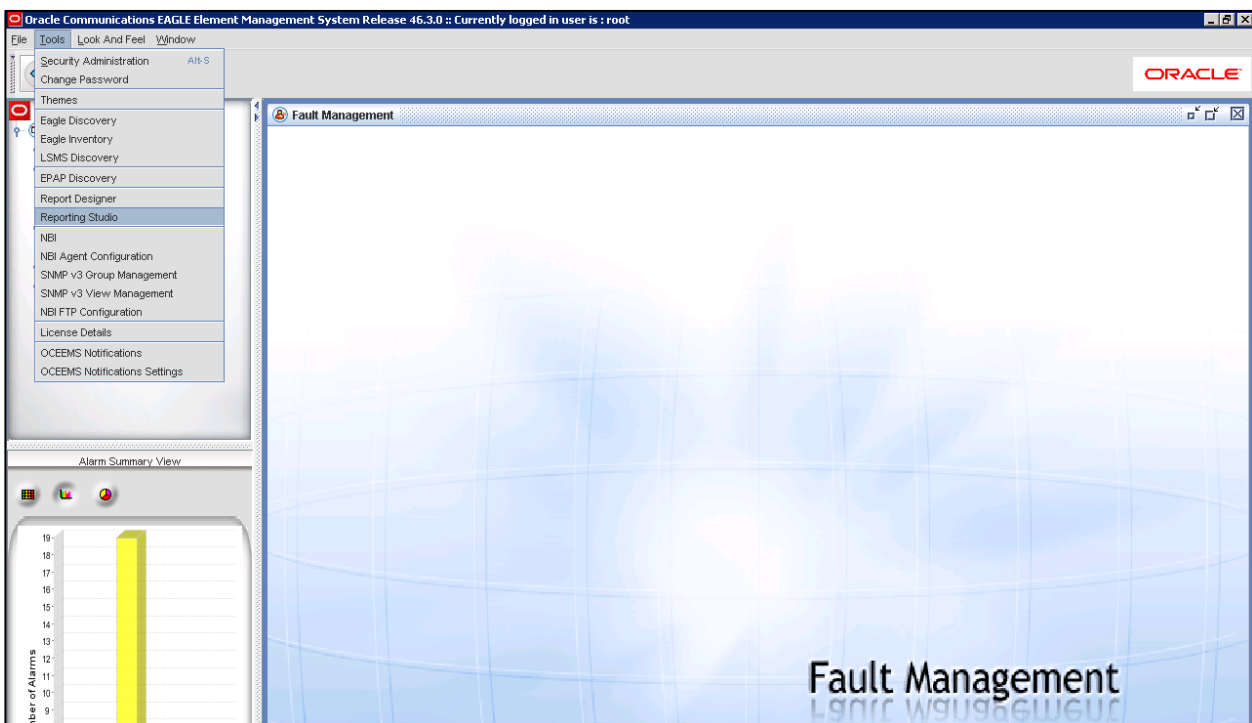
26. Start the server as given in [4.0](#).
27. This procedure is complete.

## 2.3 Upgrade of Reporting Studio

The steps for upgrade to Reporting Studio 46.3 are given below. **These steps should be performed by super user ‘root’.** Upgrade process shall take around 30 minutes.

**Note:** Follow this procedure from Step 1 only if you want to use non-root user after upgrade. If you want to continue using root user for i-net Clear Reports operations then follow this procedure from Step 7.

1. Before upgrading i-net Clear Reports, we need to save the configuration, data source and the scheduled tasks so that they are available after upgrade. Login to OCEEMS client using an admin user and launch ‘Reporting Studio’ using the ‘Reporting Studio’ link available in top menu bar.



**Figure 1: Launch Reporting from OCEEMS**

2. Click on the ‘Configuration’ link on the Remote interface screen:

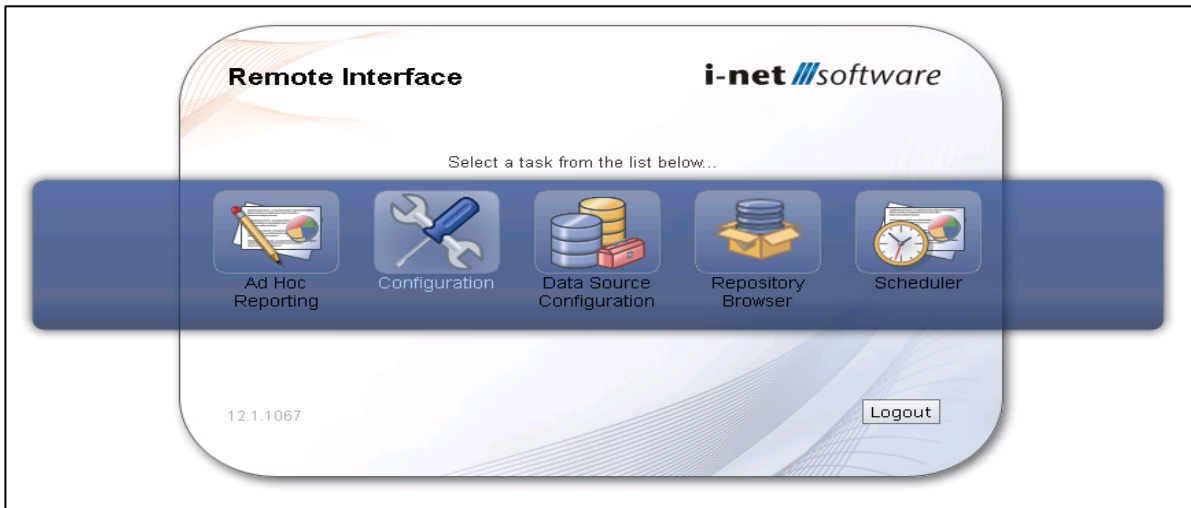


Figure 2: I-net 12 Remote Interface

3. Click on the “Manage Configuration” button:

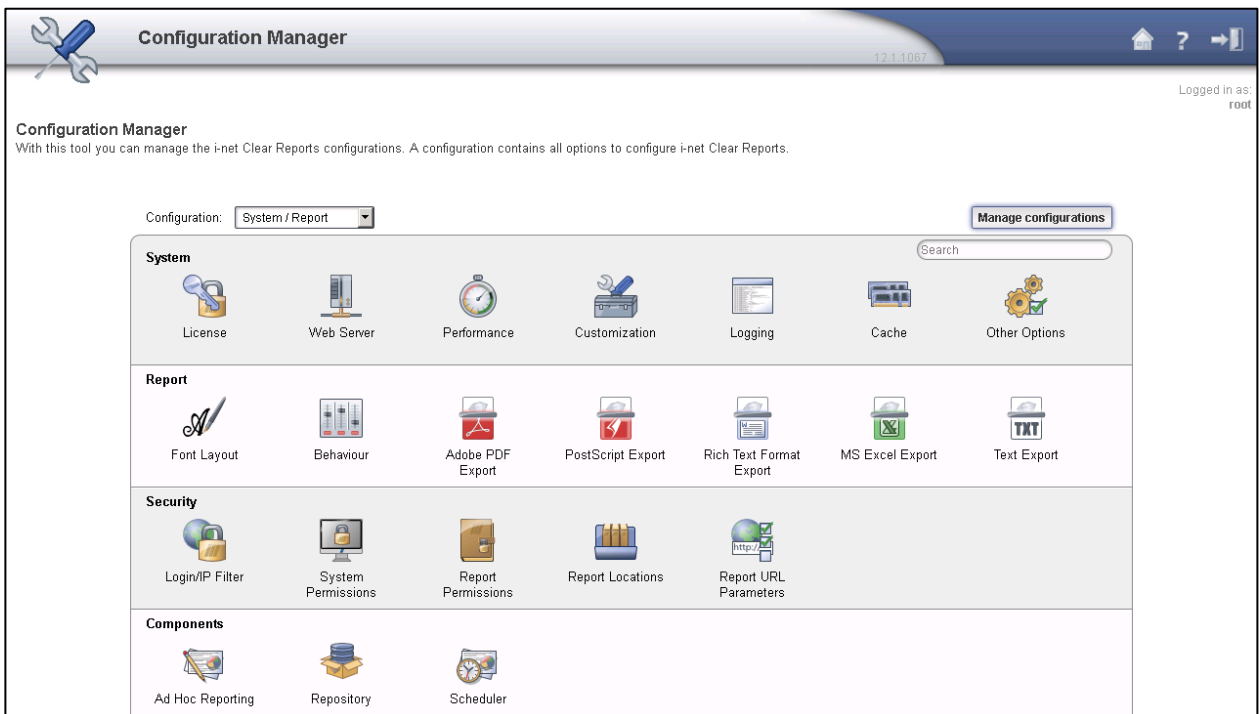


Figure 3: I-net 12 Configuration Screen

Click on the current active Configuration and click the Export button:

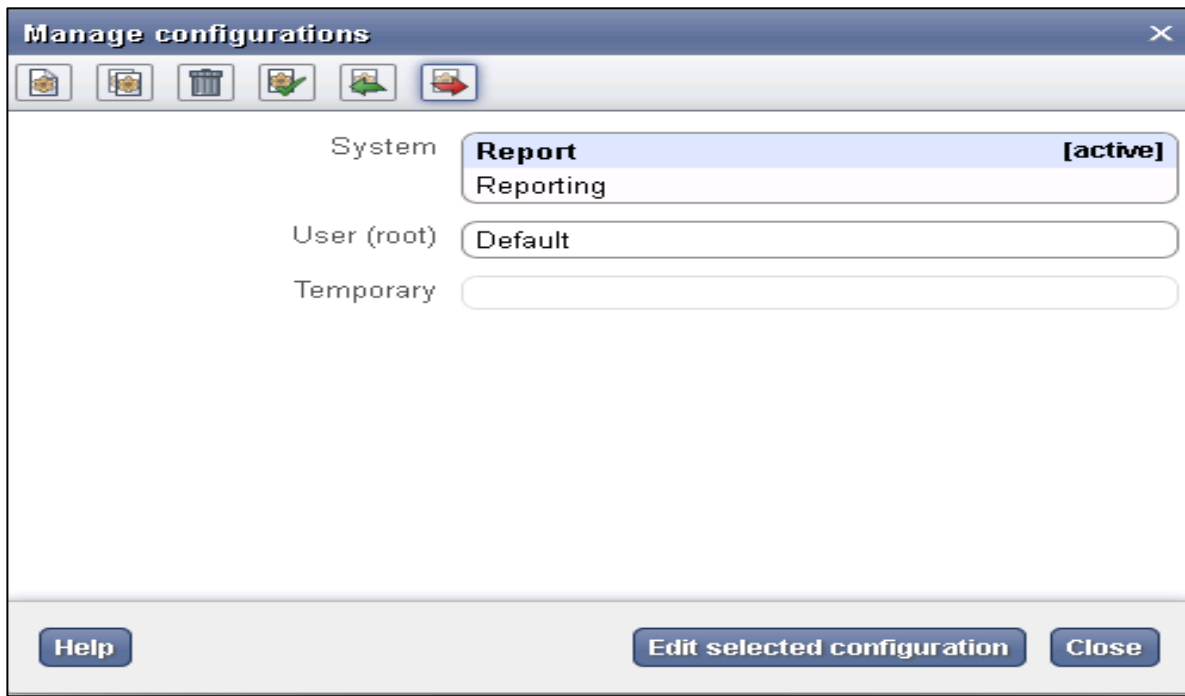


Figure 4: I-net 12 Manage Configuration

Check the 'Save File' checkbox and click OK. Please note the Configuration File will be saved at the location where the downloaded files are saved by default.

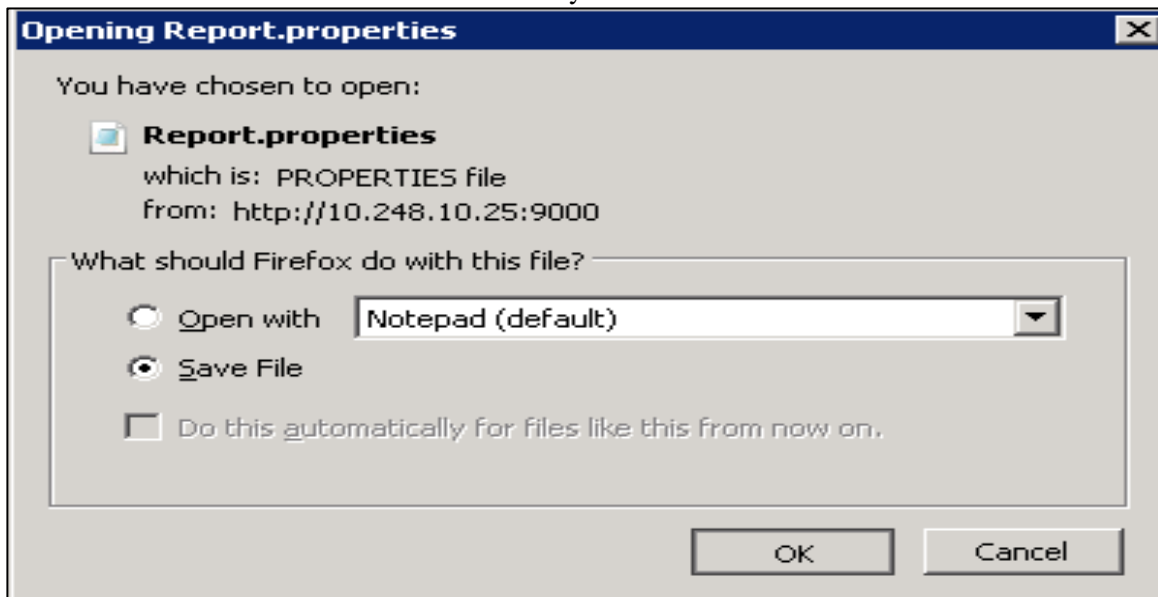
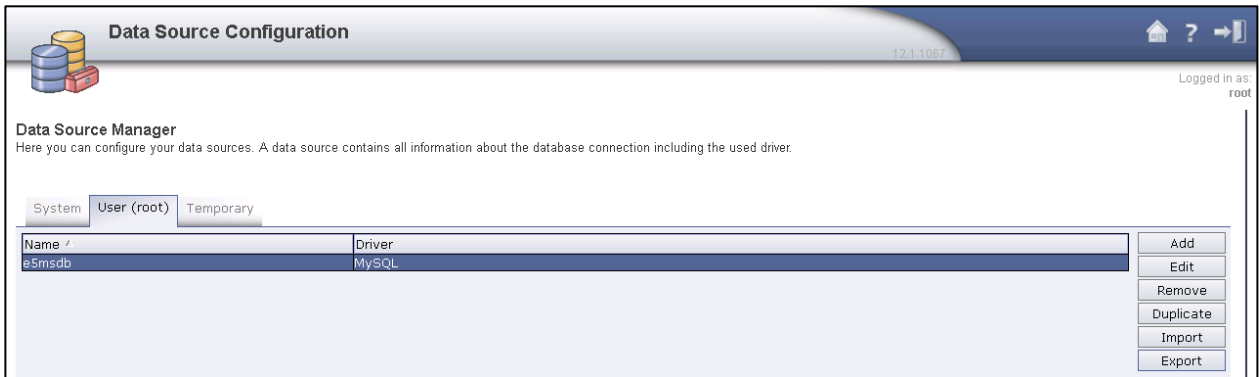


Figure 5: Save File Dialog Box

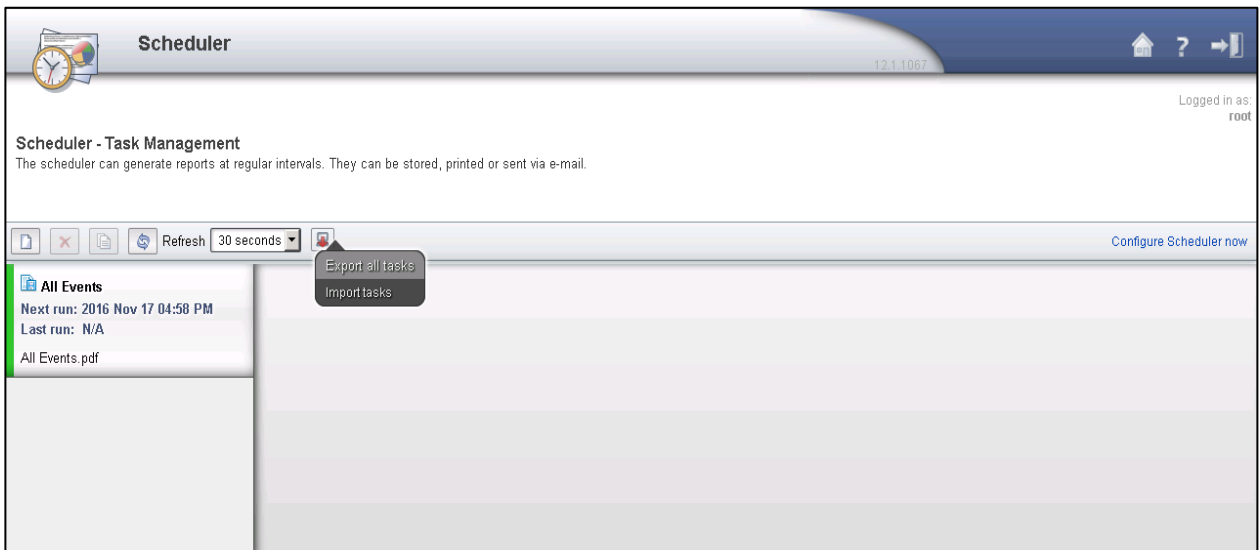
4. Click on the home button on the top right corner to go to the Remote Interface screen. On the Remote Interface Screen, click on the "Data Source Configuration" link. Click on the 'Export' button to export the data source configuration.



**Figure 6: Export Data Source**

Check the ‘Save File’ checkbox and click OK. Please note the Data Source File will be saved at the location where the downloaded files are saved by default.

5. Click on the home button on the top right corner to go to the Remote Interface screen. On the Remote Interface Screen, click on the “Scheduler” link. Click on the “Task Import/Export” button and click “Export All tasks”.



**Figure 7: Export Scheduler tasks**

Check the ‘Save File’ checkbox and click OK. Please note the Scheduler File will be saved at the location where the downloaded files are saved by default.

6. Close i-net client.
7. Stop the i-net Reporting Studio server by executing the following commands –

- a. cd to the i-net Clear Reports installation directory –

```
# cd /usr/local/i-net\ Clear\ Reports/
```

- b. Stop i-net Clear Reports server by using following command –

```
# sh stopListener.sh
```

```
[root@e5ms9 i-net Clear Reports]# sh stopListener.sh
Stopping i-net Clear Reports Standalone Server [ OK ]
./Listener.sh: line 36: log_end_msg: command not found
[root@e5ms9 i-net Clear Reports]#
```

c. Uninstall i-net Clear Reports using the following command:

```
# sh uninstall.sh
```

d. Remove the i-net installation directory of previous version as it shall no longer be needed.

```
# cd ..
```

```
# rm -rf i-net\ Clear\ Reports/
```

8. Move to the directory where Reporting Studio zip file is present and unzip the zip file using the command given below –

```
# unzip <Reporting Studio zip> -d reporting-studio
```

```
[root@e5ms12 zip]# unzip reporting-46.5.0.0.0-465.9.0.zip -d reporting-studio
Archive:  reporting-46.5.0.0.0-465.9.0.zip
  extracting: reporting-studio/clear-reports-15.1.318.zip
  inflating: reporting-studio/E5msFilter-46.5.0.0.0-465.9.0.jar
  inflating: reporting-studio/mysql-connector-java.jar
  inflating: reporting-studio/NmsServerClasses.jar
```

9. Move to the new reporting-studio directory created in above step and verify the contents of reporting studio zip file as shown in the screenshot below –

```
[root@e5ms12 zip]# cd reporting-studio/
[root@e5ms12 reporting-studio]# ls -ltr
total 197812
-rw-r--r-- 1 root root 8682589 Jul 6 12:41 NmsServerClasses.jar
-rw-r--r-- 1 root root 960374 Jul 6 12:41 mysql-connector-java.jar
-rw-r--r-- 1 root root 192901777 Jul 6 12:41 clear-reports-15.1.318.zip
-rw-r--r-- 1 root root 7933 Jul 6 12:45 E5msFilter-46.5.0.0.0-465.9.0.jar
```

10. Unzip the i-net Clear Reports installation zip using the command given below –

```
# unzip <i-net Clear Report.zip> -d clear-reports
```



```
[root@e5ms1 reporting-studio]# unzip clear-reports-15.1.318.zip -d clear-reports
Archive:  clear-reports-15.1.318.zip
  inflating: clear-reports/readme.html
  inflating: clear-reports/setup.bat
  inflating: clear-reports/setup.sh
  inflating: clear-reports/setup.jar
   creating: clear-reports/lib/
   creating: clear-reports/lib/exe/
   creating: clear-reports/lib/tpl/
   creating: clear-reports/lib/tpl/clearreports/
   creating: clear-reports/lib/tpl/clearreports-setup/
   creating: clear-reports/lib/tpl/clearreports-setup/tags/
   creating: clear-reports/lib/tpl/clearreports/images/
  inflating: clear-reports/lib/exe/css.php.t.clearreports-setup.css
  inflating: clear-reports/lib/tpl/clearreports-setup/tags/advanced.png
  inflating: clear-reports/lib/tpl/clearreports-setup/tags/basicsyntax.png
  inflating: clear-reports/lib/tpl/clearreports-setup/tags/beforereading.png
  inflating: clear-reports/lib/tpl/clearreports-setup/tags/crystalsyntax.png
  inflating: clear-reports/lib/tpl/clearreports-setup/tags/plusfeature.png
  inflating: clear-reports/lib/tpl/clearreports-setup/tags/whileprinting.png
  inflating: clear-reports/lib/tpl/clearreports-setup/tags/whilereading.png
  inflating: clear-reports/lib/tpl/clearreports/images/background-bottom-light.jpeg
  inflating: clear-reports/lib/tpl/clearreports/images/bullet.gif
  inflating: clear-reports/lib/tpl/clearreports/images/buttonshadow.png
  inflating: clear-reports/lib/tpl/clearreports/images/favicon.ico
  inflating: clear-reports/lib/tpl/clearreports/images/logo.png
```

11. Move to the new clear-reports directory created in above step and verify its contents as shown in the screenshot below -

```
# cd clear-reports
```

```
[root@e5ms1 reporting-studio]# cd clear-reports
[root@e5ms1 clear-reports]# ls -ltr
total 189688
-rwxr-xr-x. 1 root root      608 Jun  2 13:07 setup.sh
-rw-r--r--. 1 root root      590 Jun  2 13:07 setup.bat
-rw-r--r--. 1 root root 194213313 Jun  2 13:11 setup.jar
-rw-r--r--. 1 root root      4666 Jun  2 13:14 readme.html
drwxr-xr-x. 4 root root      4096 Jun  2 13:14 lib
```

12. Execute the installer script using the command given below -

```
# java -Djava.awt.headless=true -jar setup.jar
```

Log messages given in 6.0 are shown.

13. Provide input 1 as shown below to accept the terms of the i-net license agreement -

```
Ã© Copyright 1996 - 2015, i-net software GmbH; All rights Reserved.
1 - I accept the terms of this license agreement.
2 - I do not accept the terms of this license agreement.
Please select : 1
```

14. Provide input 2 as shown below to choose the “as Daemon (System)” option -

```
=====
Select an installation environment
-----

1 - Standalone Server
2 - as Daemon (System)
3 - IBM WebSphere 7 and higher
4 - Oracle WebLogic Server 11 and higher
5 - Apache Tomcat 6 and higher
6 - Apache 2.2/2.4 with PHP (System)
7 - Jetty Webserver 7 and higher
8 - JBoss Application Server 4 and higher
9 - GlassFish Application Server 2 and higher
10 - Generic Servlet
Please select (2): 2
```

15. In the next step, where installation procedure asks for the path to install i-net Clear Reports, press Enter to select the default installation directory (default installation path shall be “/opt/i-net\ Clear\ Reports\ 15”) –

```
=====
Select a path to install
-----

Installation Path (/opt/i-net Clear Reports 15) :
```

16. In the next step, select option 2 i.e. ‘Use configuration’ as shown below -

```
=====
Create Configuration
-----

1 - Create a new configuration
2 - Use configuration
Please select (2): 2
```

17. In the next step, from the list of available configurations, choose the configuration that belongs to the last installed Reporting Studio version (12.x).

```

1 - System / EMS
2 - System / Reporting
Please select(1): 2
2

=====
Install selected product
-----

Overall installation progress

0%                50%                100%
|-----|-----|-----|
#####

```

18. Provide input 'n' to decline the below request -

```

=====
Data for statistical analysis
-----

Enter 'y' to send brief and anonymous information about
which components were selected. This will help i-net
software to improve the flow of the setup tool and to
focus on components customers really need. No private
information such as setup paths or names will be sent. (Y/n): n

```

19. From the reporting-studio directory created in step 2, copy the E5msFilter jar and NmsServerClasses jar into the lib folder inside i-net Clear Reports installation directory provided in step 9 (“/opt/i-net/Clear/Reports/15/”).

```
cp NmsServerClasses.jar E5msFilter-46.5.0.0-465.9.0.jar /opt/i-net/Clear/Reports/15/lib/
```

20. From the reporting-studio directory created in step 2, copy the mysql-connector-java.jar into the “lib/driver” directory inside i-net Clear Reports installation directory (/opt/i-net Clear Reports 15/lib/driver). There will already be a jar file with the same name at this location, so the user will have to overwrite the already existing file (provide input 'y' when asked to overwrite the file).

```
[root@e5ms10 reporting-studio]# cp mysql-connector-java.jar /opt/i-net/Clear/Reports/15/lib/driver/
cp: overwrite '/opt/i-net Clear Reports 15/lib/driver/mysql-connector-java.jar'? y
```

21. Now the server will already be running as daemon. Stop the server as given in 5.0.
22. Execute this step only if you want to use non-root user after upgrade. If you want to continue using root user for i-net Clear Reports operations then proceed to step 24. Move to directory “/Tekelec/WebNMS/bin/” and execute script ‘updateInetUser.sh’ to enable the non-root user operating OCEEMS to operate i-net Clear Reports.

```
# cd /Tekelec/WebNMS/bin/
# sh updateInetUser.sh
```

The script will ask for the installation directory of i-net. If default installation directory is used for installation then Press Enter, else enter the installation directory of i-net. Sample log can be found in Appendix B.

23. Start a new session using the non-root user.
24. Move to directory “/Tekelec/WebNMS/bin/” and execute script ‘changeInetTmpdir.sh’ to change the temp directory used by i-net to “/Tekelec/WebNMS/Inet\_tmpdir/” and remove dependency from system ‘/tmp’.

```
# cd /Tekelec/WebNMS/bin/
```

```
# sh changeInetTmpdir.sh
```

25. Start the server as given in [4.0](#).
26. Version of i-net Clear Reports (15.x) can be verified by checking the presence of the following line in the “/var/log/clearreports/out.log” file after the server is started successfully in the above step.

```
i-net Clear Reports server version: 15.1.318
```

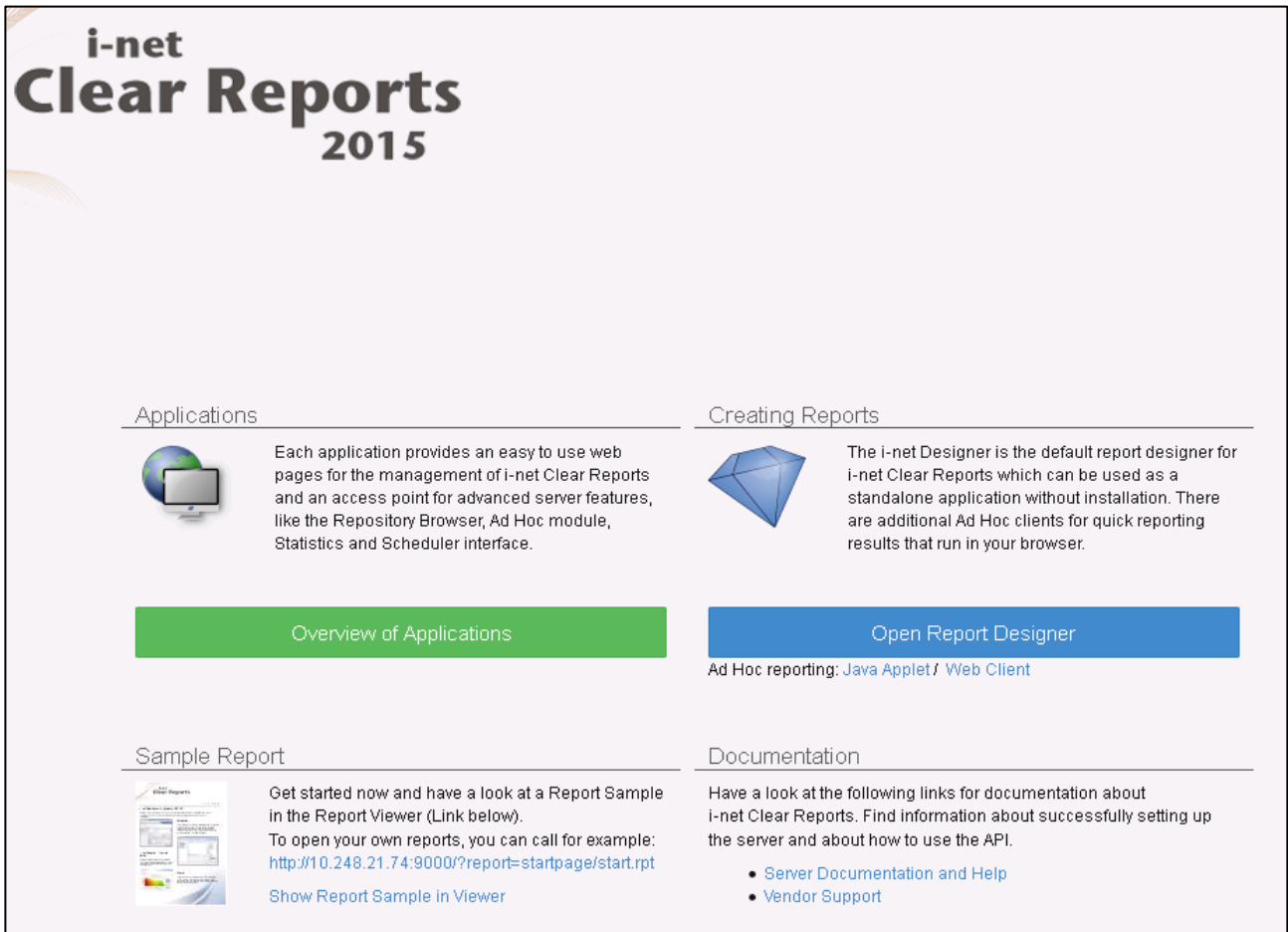
27. This procedure is complete.

## 3.0 CONFIGURATION OF I-NET CLEAR REPORTS

### 3.1 Configuration after fresh installation

After successful installation of Reporting Studio 46.3 and startup of i-net Clear Reports server, following steps are needed to configure it so that it is ready to be used with OCEEMS. Note that OCEEMS server should be running while i-net Clear Reports is being configured.

1. Open URL **http://<IPAddress\_of\_Server>:9000** for i-net Clear Reports in a browser window. It shall open i-net Clear Reports Welcome page as shown below.



**Figure 8: i-net Clear Reports Welcome Page**

2. Click on the 'Overview of Applications' link. It shall open a User Login prompt as shown below. Provide the username and password of the 'non-root' user used to run i-net server.

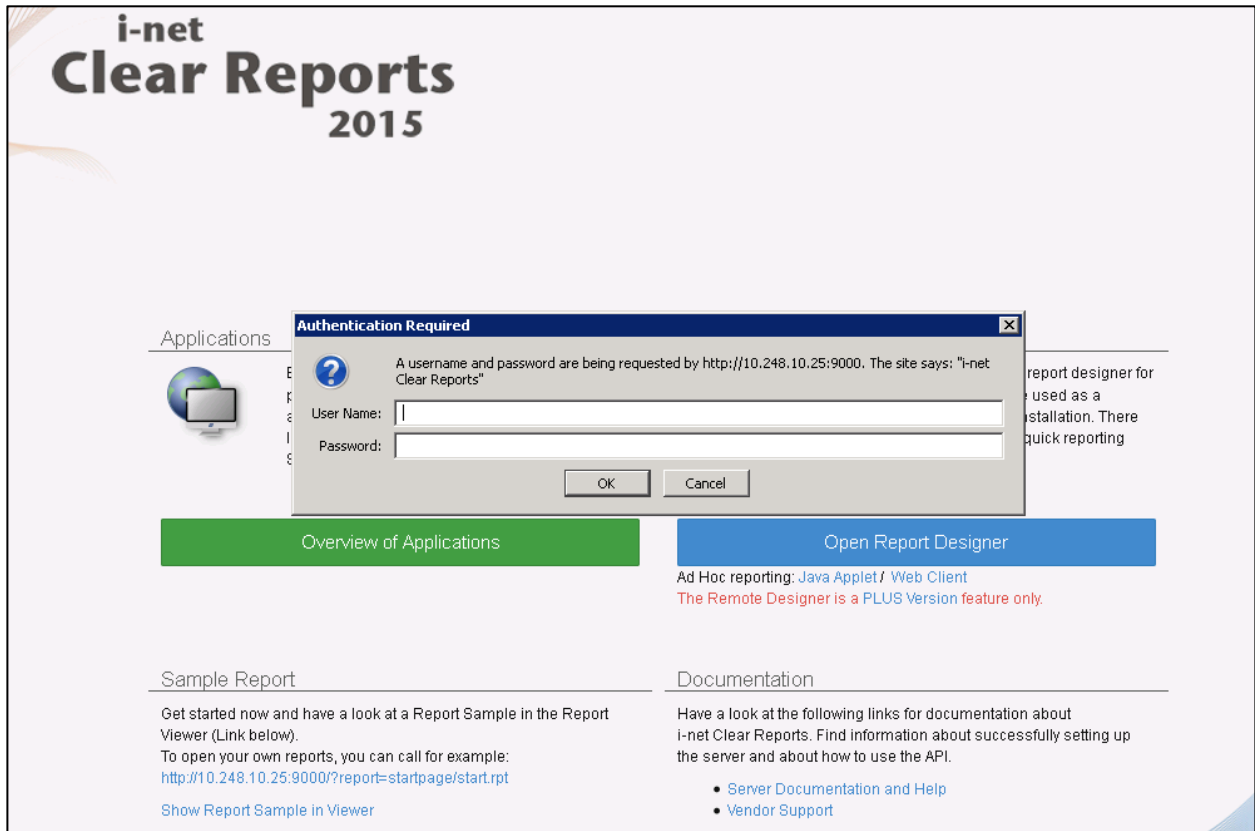


Figure 9: User Login Screen

On successful login, the Remote Interface screen shall show all the remote interfaces available.

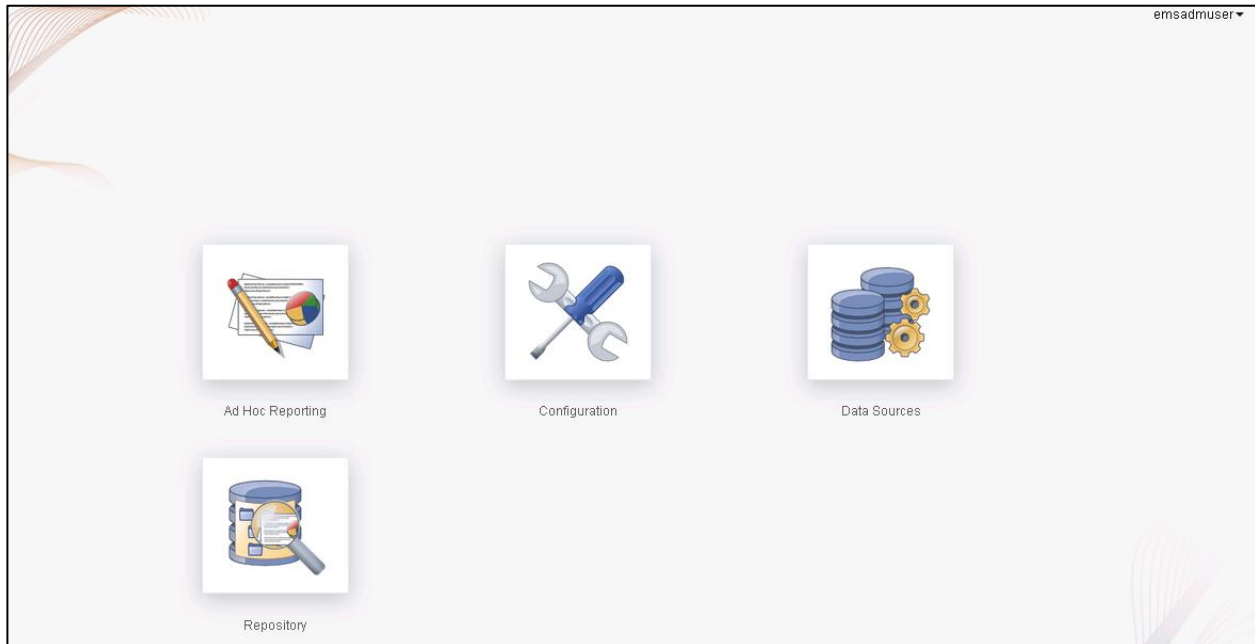


Figure 10: Remote Interface Screen

3. On the 'Remote Interface' screen, click on the 'Configuration' link. It shall open the 'Configuration' screen. On the 'Configuration' screen, go to top right corner of the screen and click on the 'Switch to Advanced view' link.

Note: If “Switch to Default View” is being shown in the top right corner, then it is already in “advanced View”. Do not change the view.

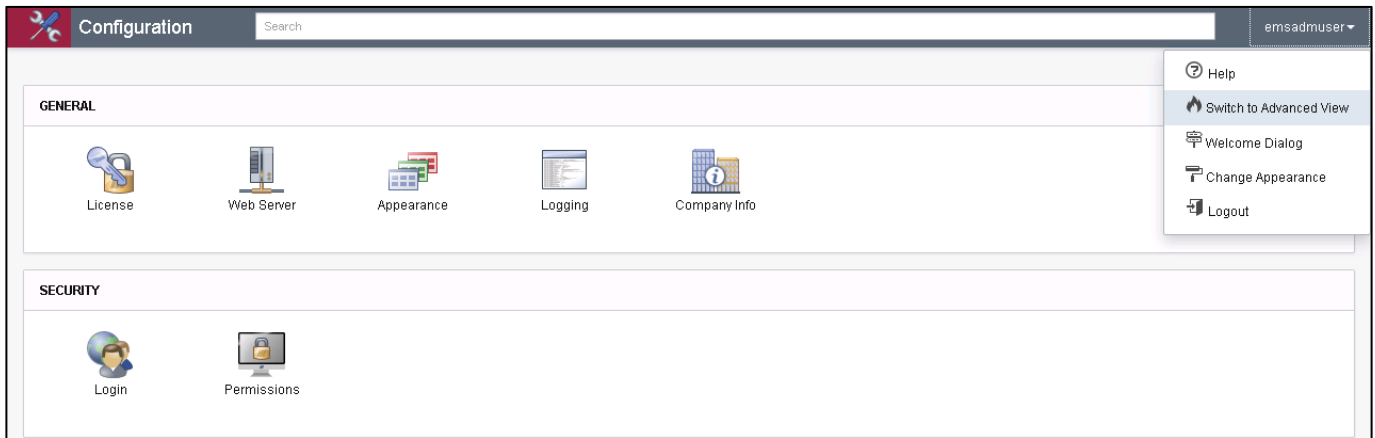


Figure 11: Switch to Advanced View

4. On the Configuration Screen Click on ‘Manage’ button on the top right corner.

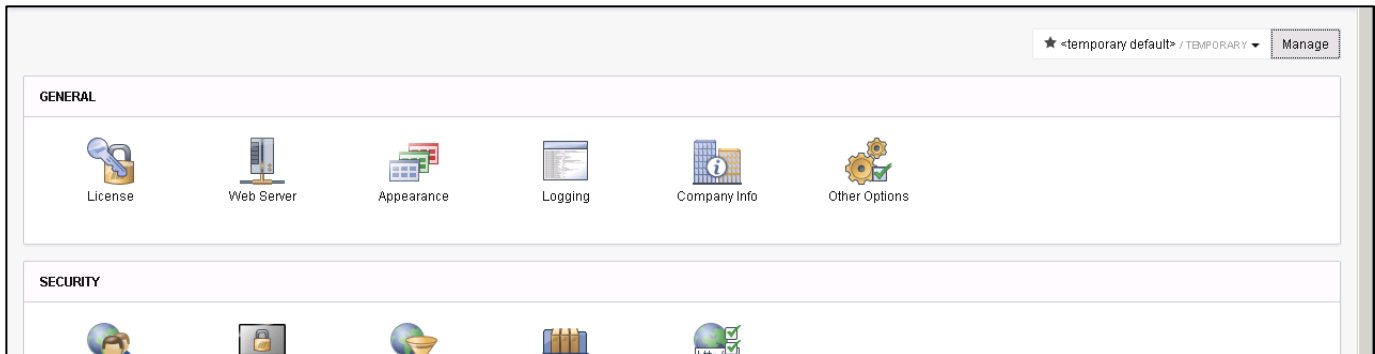


Figure 12: Manage Configurations

The following screen would come up:

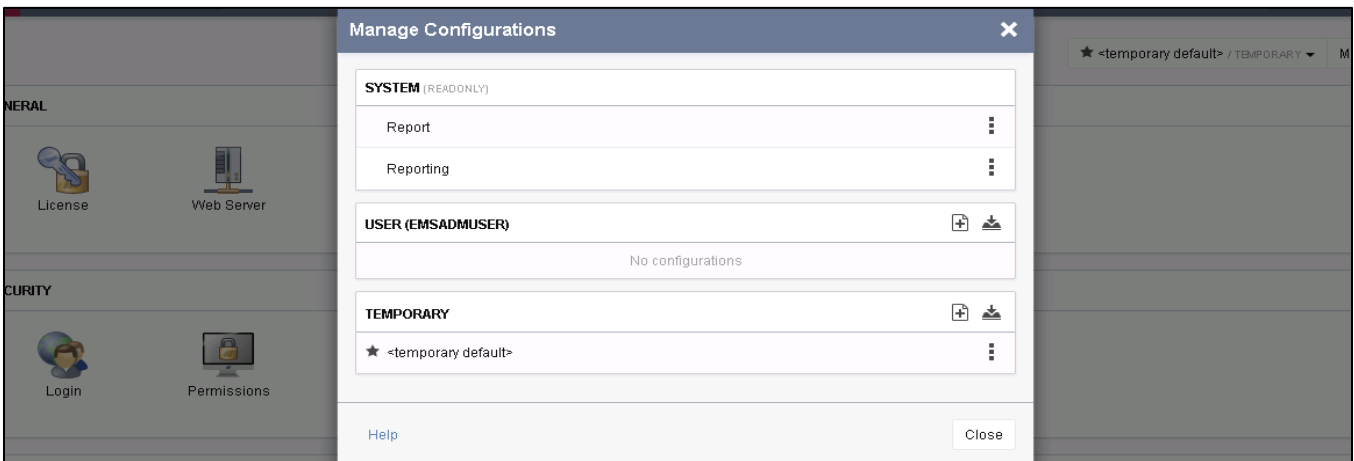


Figure 13: List of Configurations

5. On the ‘Manage Configuration’ screen Click on the ‘+’ button in the USER Section. Give the configuration name as ‘Default’. Click on OK button.

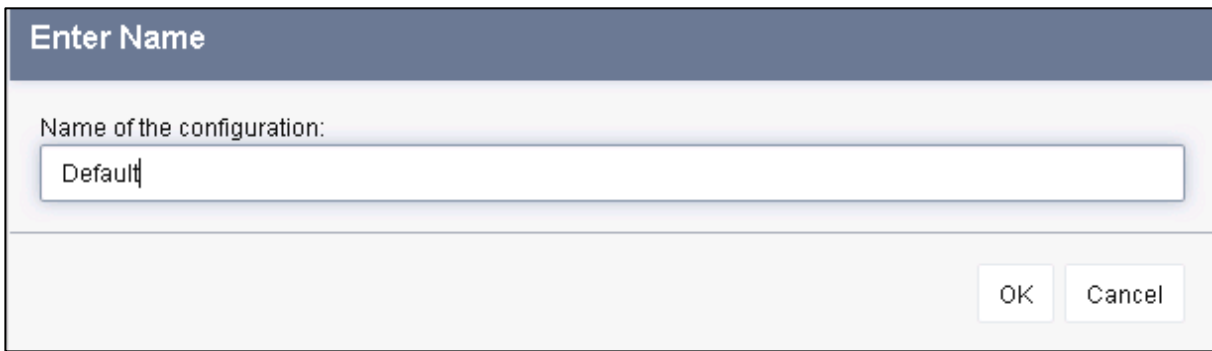


Figure 14: Create Configuration

- 6. Activate the 'Default' configuration in the user scope. To activate click on the menu button (three dots) and click 'Activate'. Click 'OK' on the next confirmation screen.

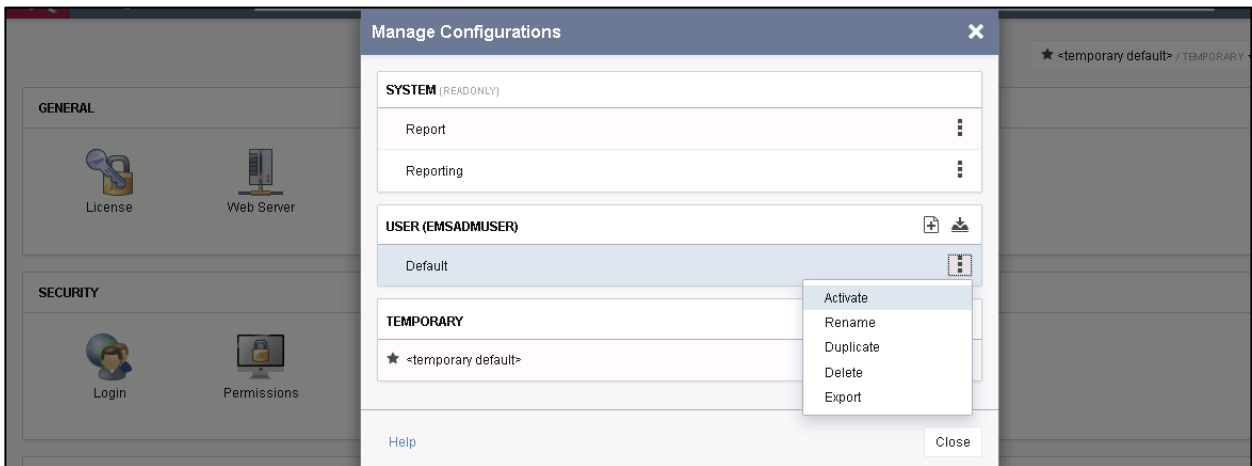


Figure 15: Configuration Activation

- 7. Delete the configuration in the temporary scope. To delete, click the menu button (three dots) and click 'Delete'. Click 'Yes' button on the next confirmation screen.

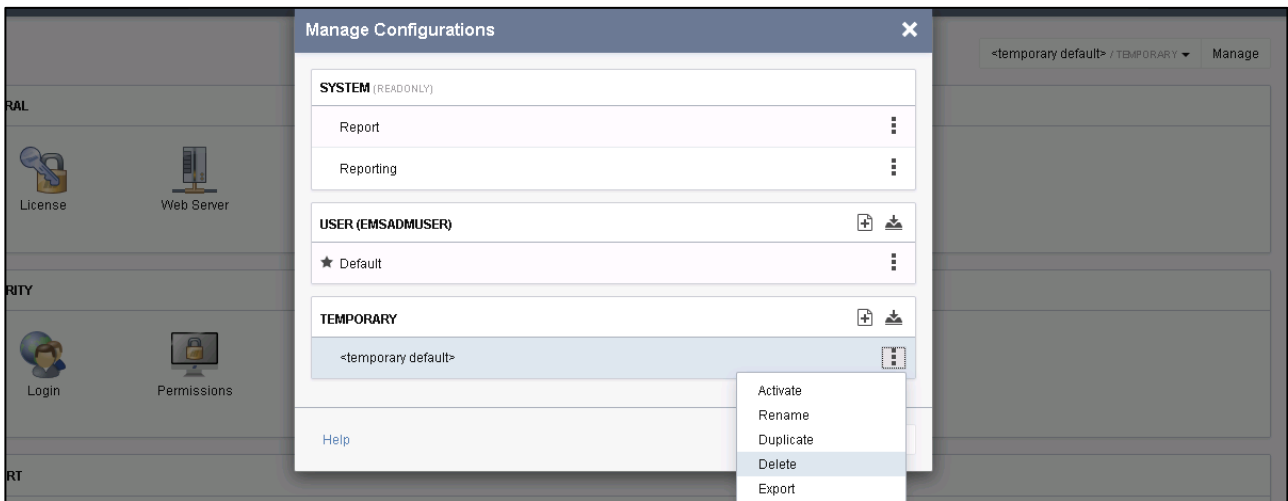


Figure 16: Configuration Deletion

- 8. Close the 'Manage Configuration' window.



9. On the configuration screen, in the 'General' section, click on the 'License' option. Click 'Add a License Key' and Select 'Enter a License Key'.

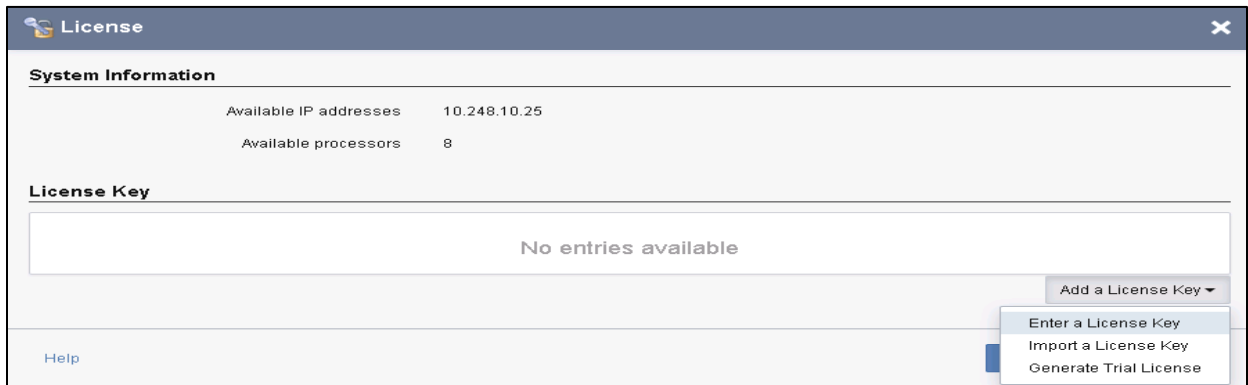


Figure 17: License Screen

10. Enter the License Key and Click OK. Click 'Apply' and 'Save'.

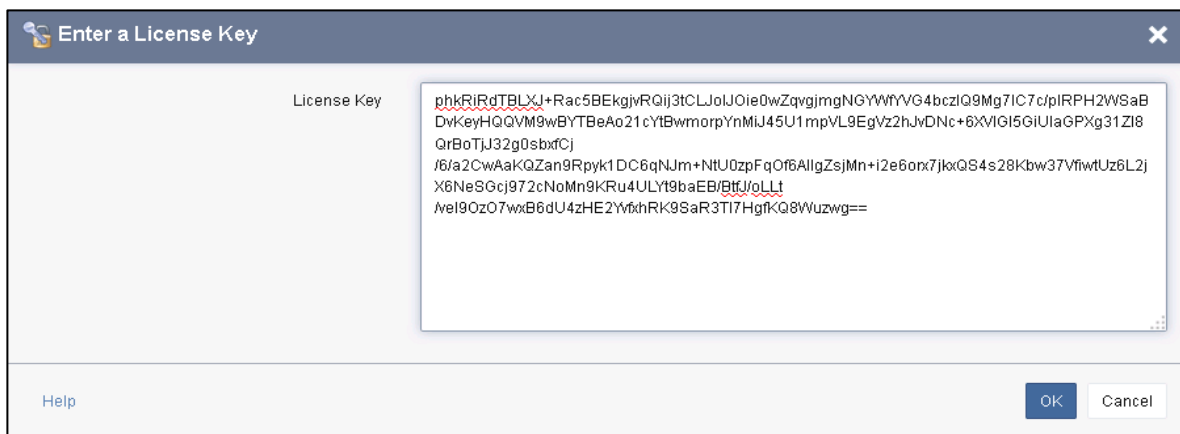


Figure 18: Enter License Key

11. Creation of 'root' user and assigning permissions – In correspondence to the default admin 'root' in OCEEMS, a user named 'root' needs to be created in i-net Clear Reports so that OCEEMS 'root' user can login to i-net Clear Reports from OCEEMS. For this, perform following steps -
  - i) On the 'Configuration' screen, go to top right corner of the screen and click on the "Switch to Advanced view" link.

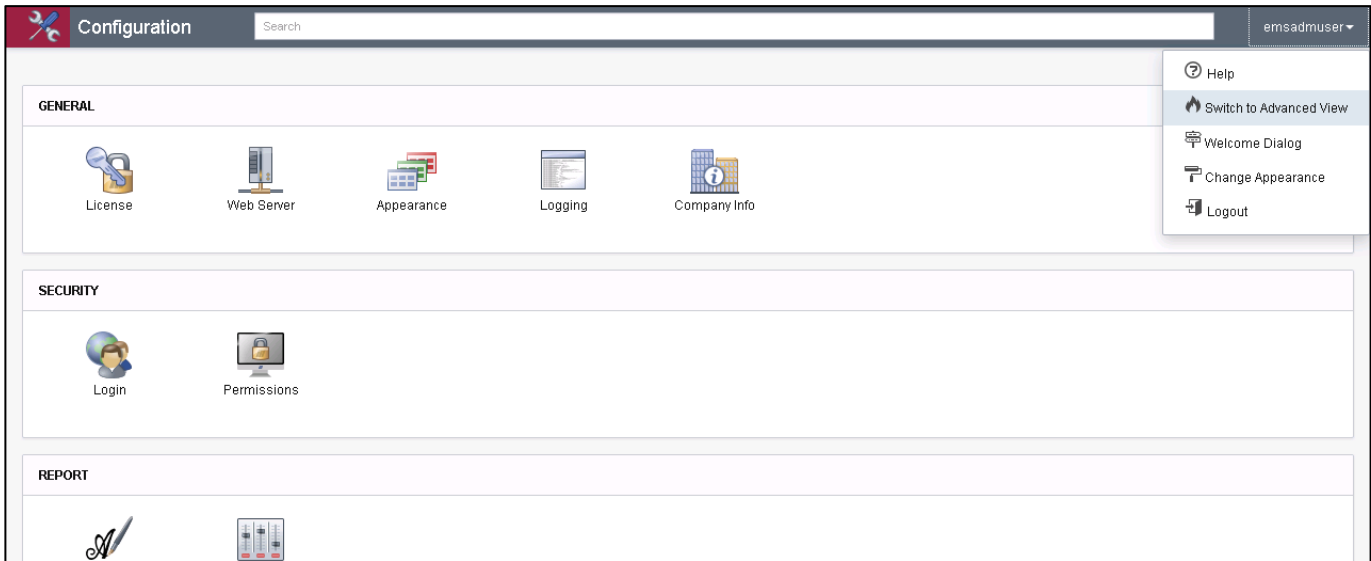


Figure 19: Switch to Advanced view option

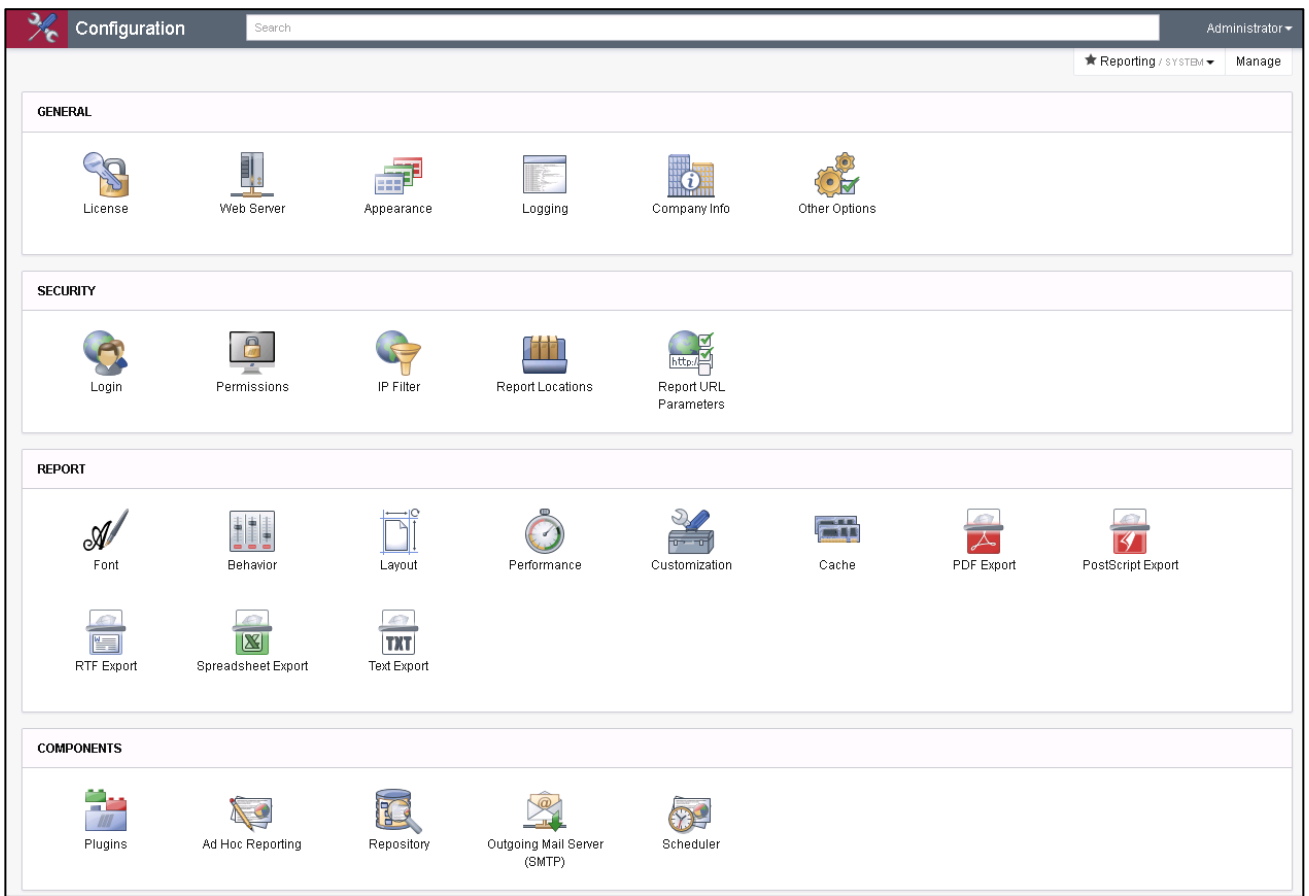


Figure 20: Configuration Screen: advanced view

ii) In the SECURITY section, click on the ‘Permissions’ option. It shall open the ‘Permissions’ screen.

Note: If Restrict permission check box is unchecked, select it (Check it) so that ‘Add Permission’ drop down will be enabled.

On the “Add permission” drop down, select ‘for a user’.

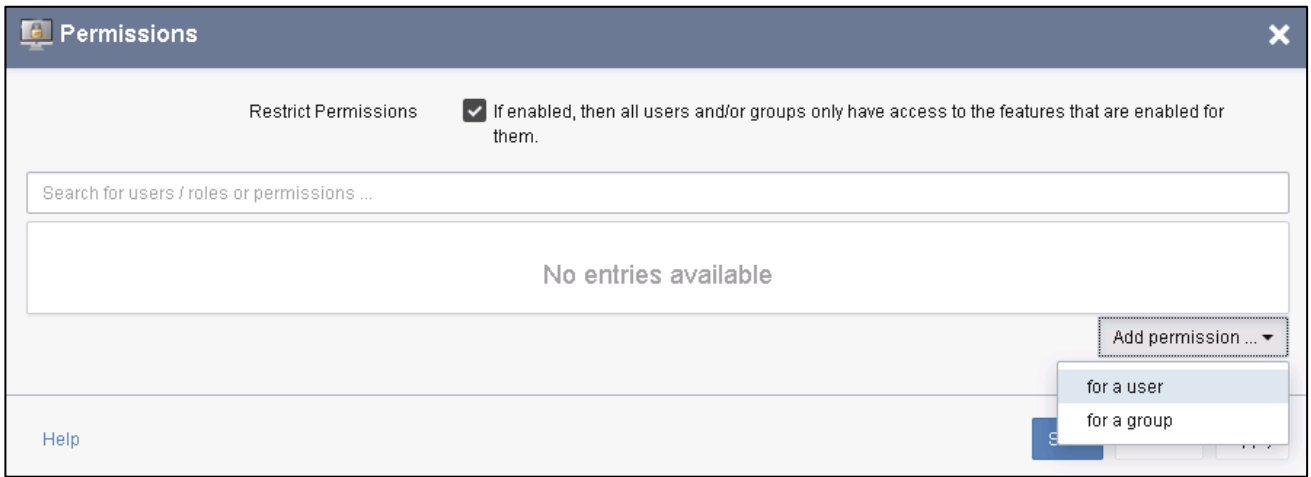


Figure 21: Add Permissions for a user

On the ‘Add permission for a user’ screen, provide name ‘root’.  
Click ‘Select all permissions’ button and then click OK.

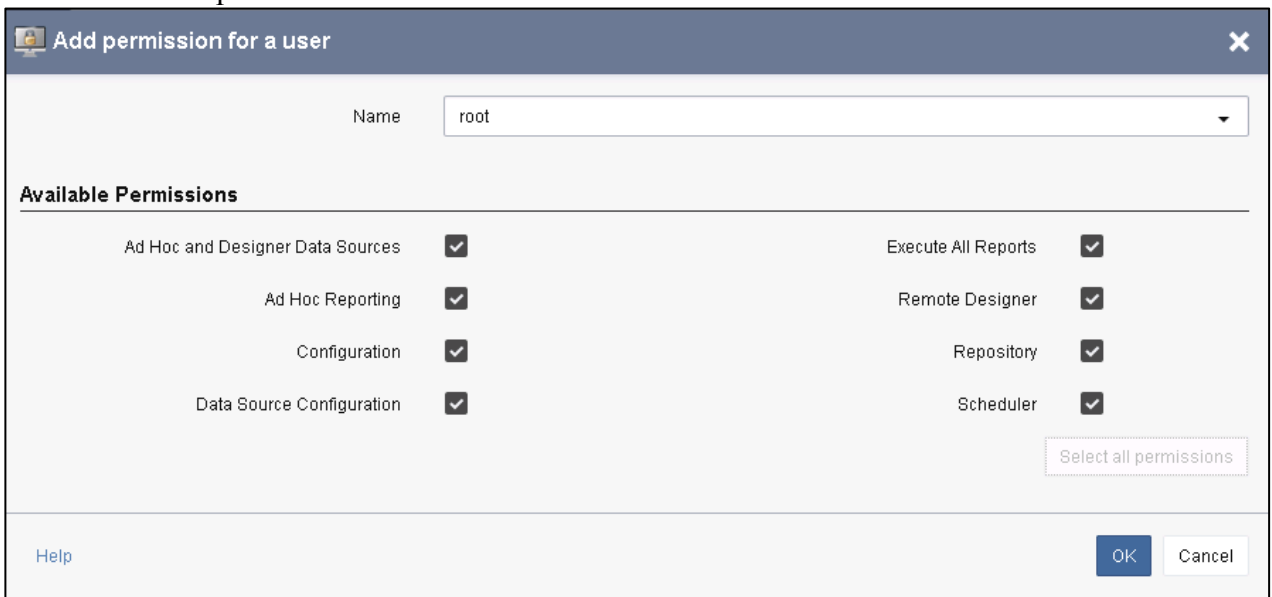
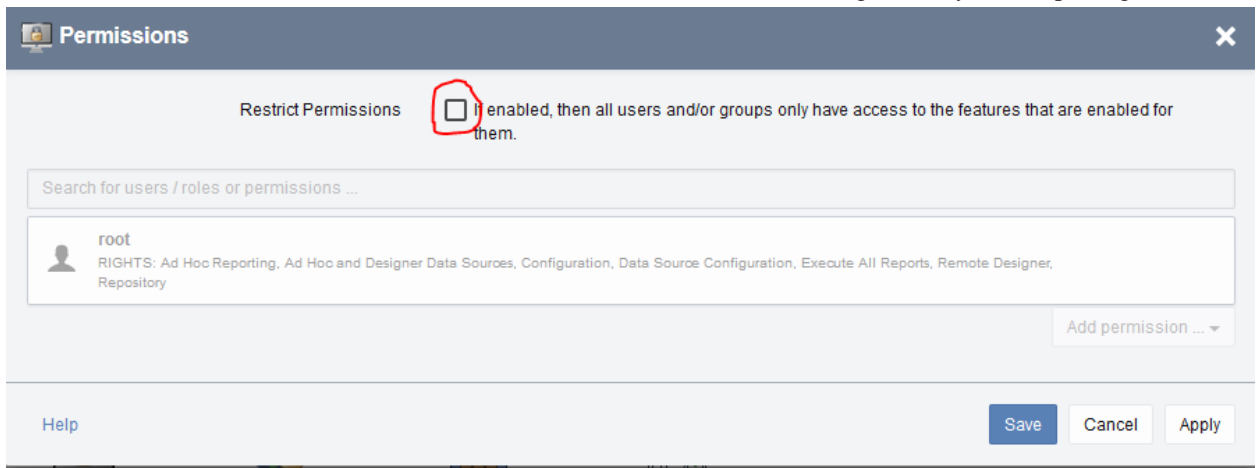


Figure 22: Add Permissions for a user: adding ‘root’ user

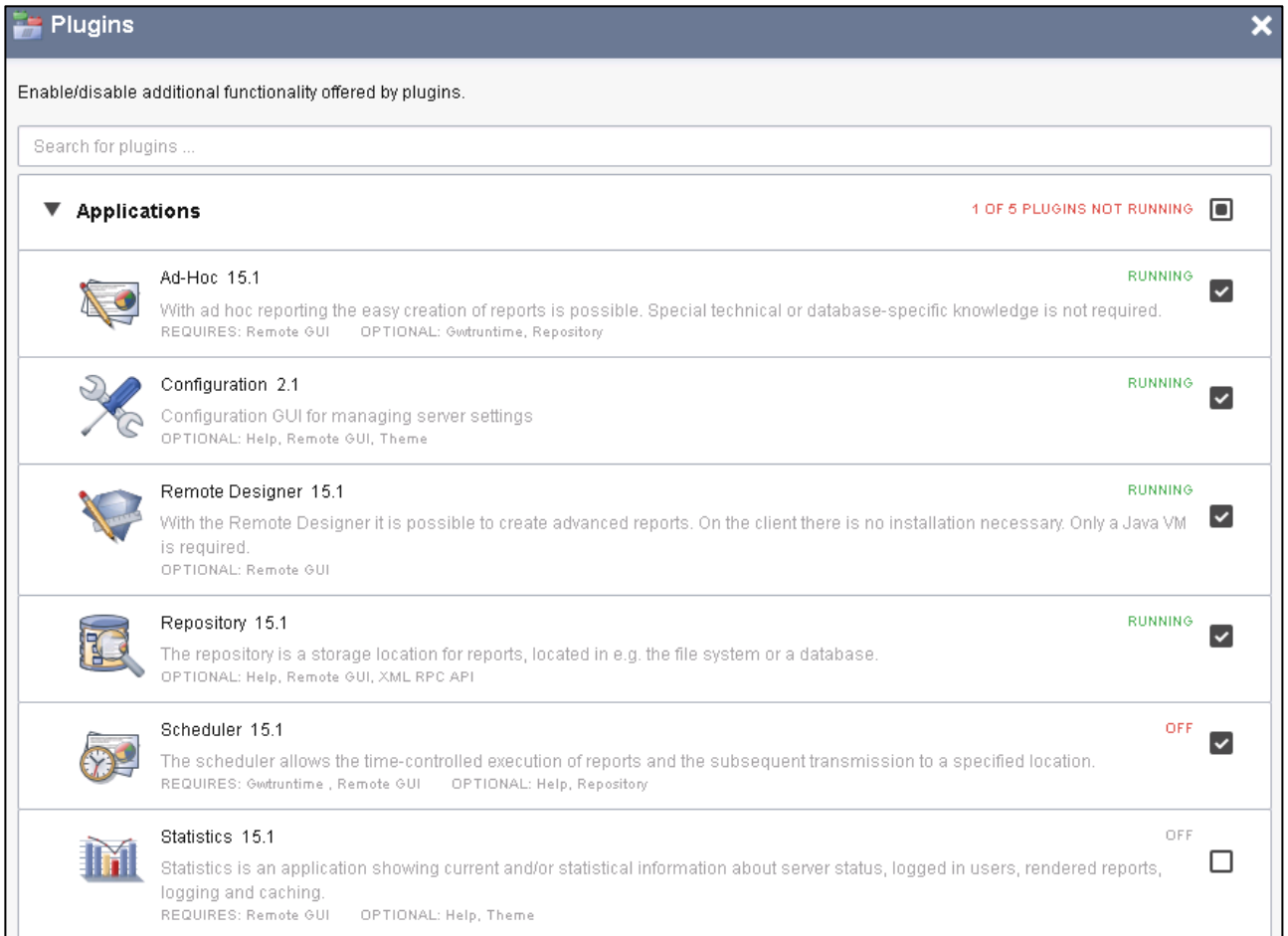
iii) After ‘root’ user is created, **uncheck the ‘Restrict Permissions’ checkbox**, then click Apply and Save buttons.

**Note: Do not forget to uncheck the ‘Restrict Permission’ in this step.**



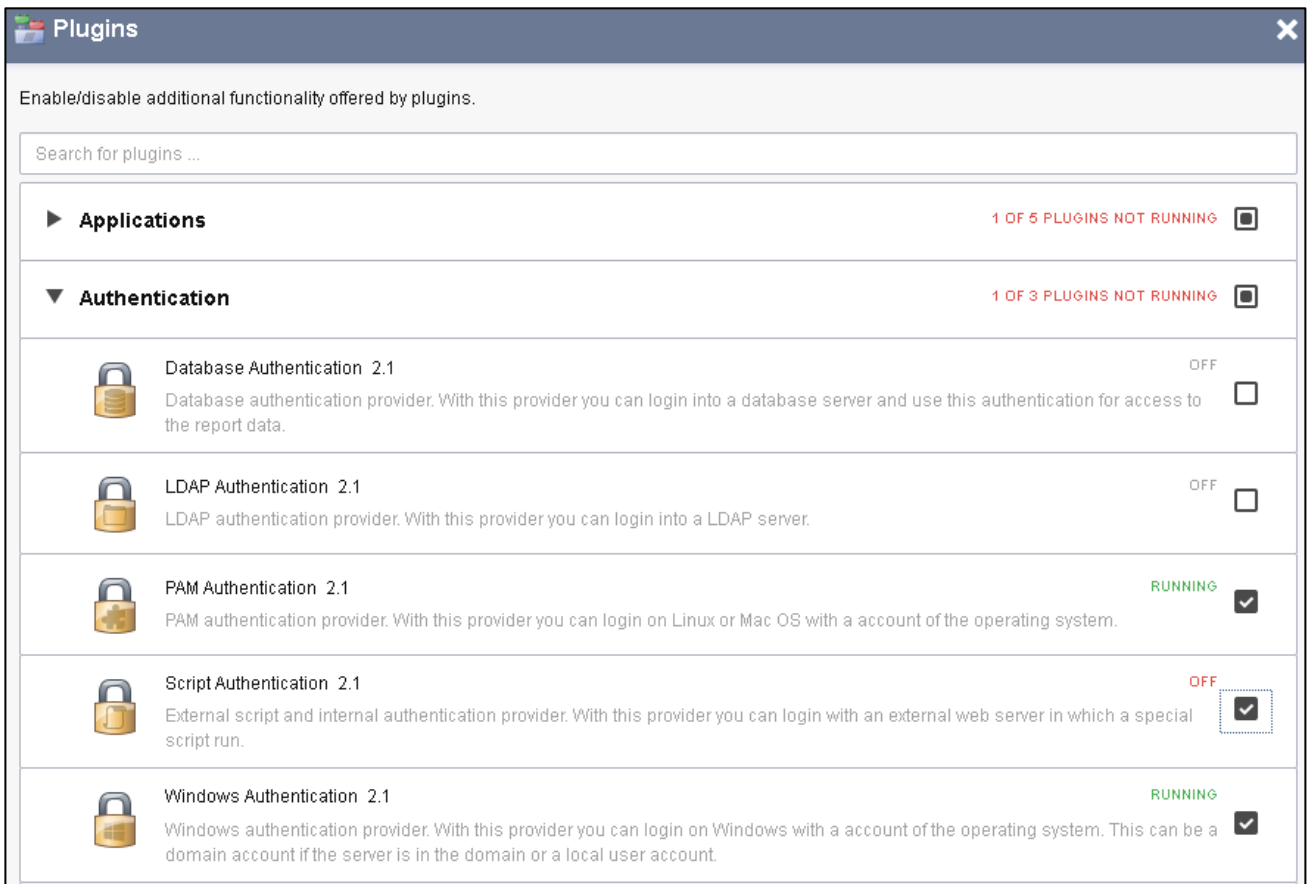
**Figure 23: System Permissions Screen - Add 'root' user**

12. Enabling Scheduler module- On the 'Configuration' screen, in the 'COMPONENTS' section, click on the 'Plugins' option.
  - i) On 'Plugins' screen, click on the 'Applications' tab and click on the checkbox for 'Scheduler 15.1' plugin as shown in screenshot below -



**Figure 24: Enabling Scheduler plugin**

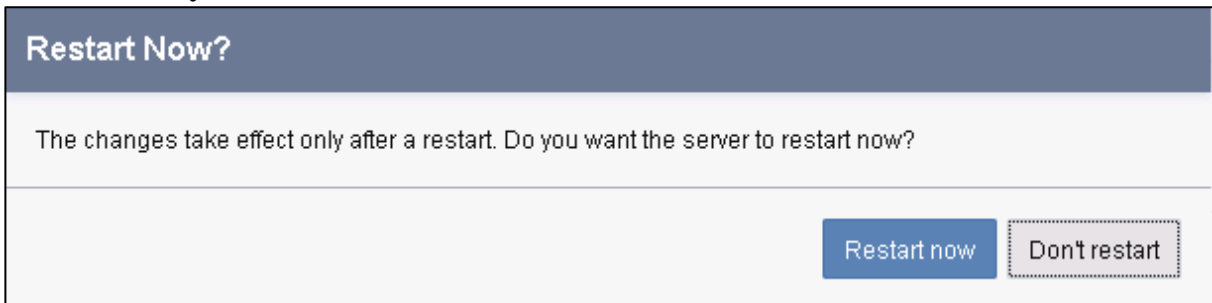
- ii) Next, click on the 'Authentication' tab and click on the checkbox for 'Script Authentication 2.1' plugin as shown in screenshot below -



**Figure 25: Enabling Script Authentication plugin**

iii) Next, click on ‘Save’ button. It will give a popup to restart the server. Click on ‘Restart Now’ button. Server shall restart and web page shall prompt for the password again. Enter password to complete the rest of the configuration.

**Note: If you do not see the popup ‘Restart Now’ at this step, some configuration changes has not been done as is mentioned in the previous steps. Please cross check the steps that are already executed.**



13. Creating a remote Report Repository and activating it –

i) In the ‘COMPONENTS’ section, click on the ‘Repository’ option. It shall open the ‘Repository List’ screen. Click on ‘Add Repository’ button, then select the option ‘from file system’.

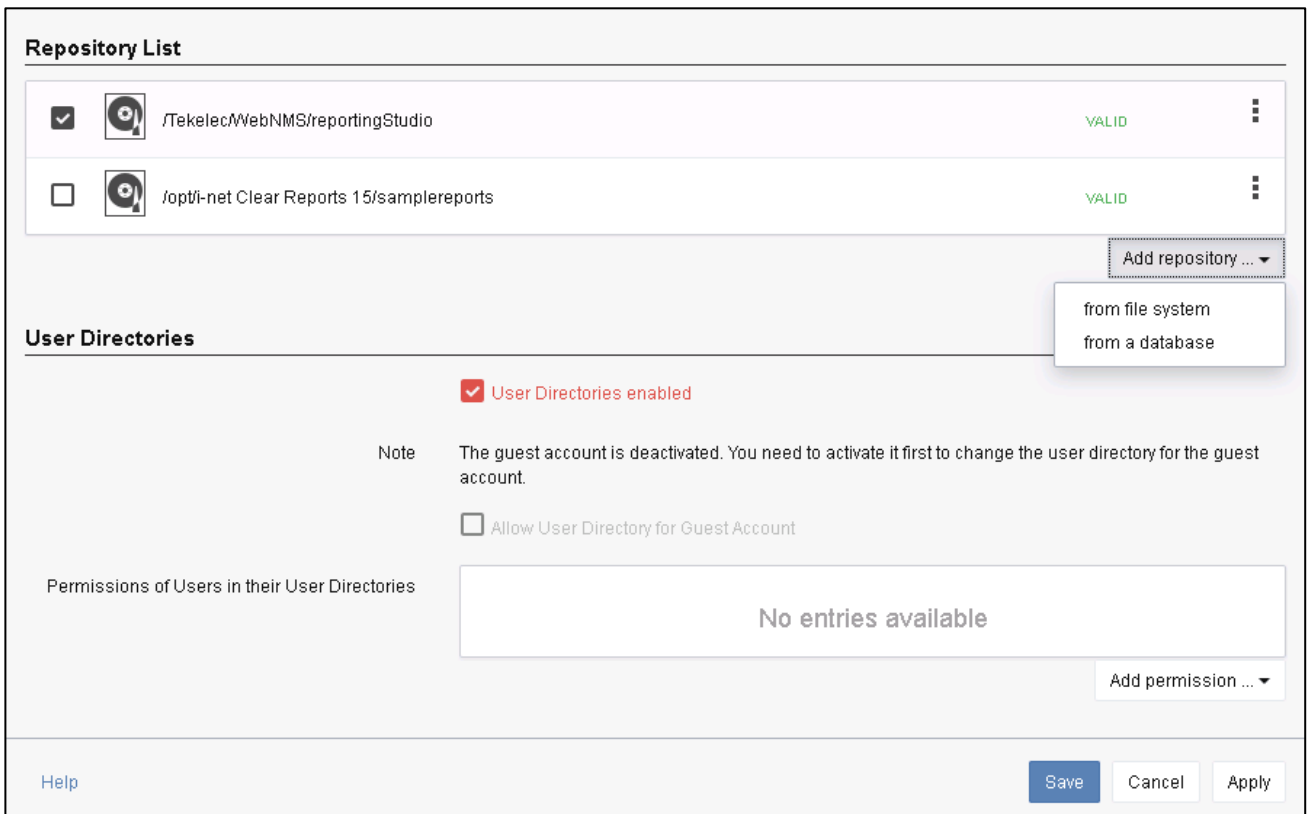


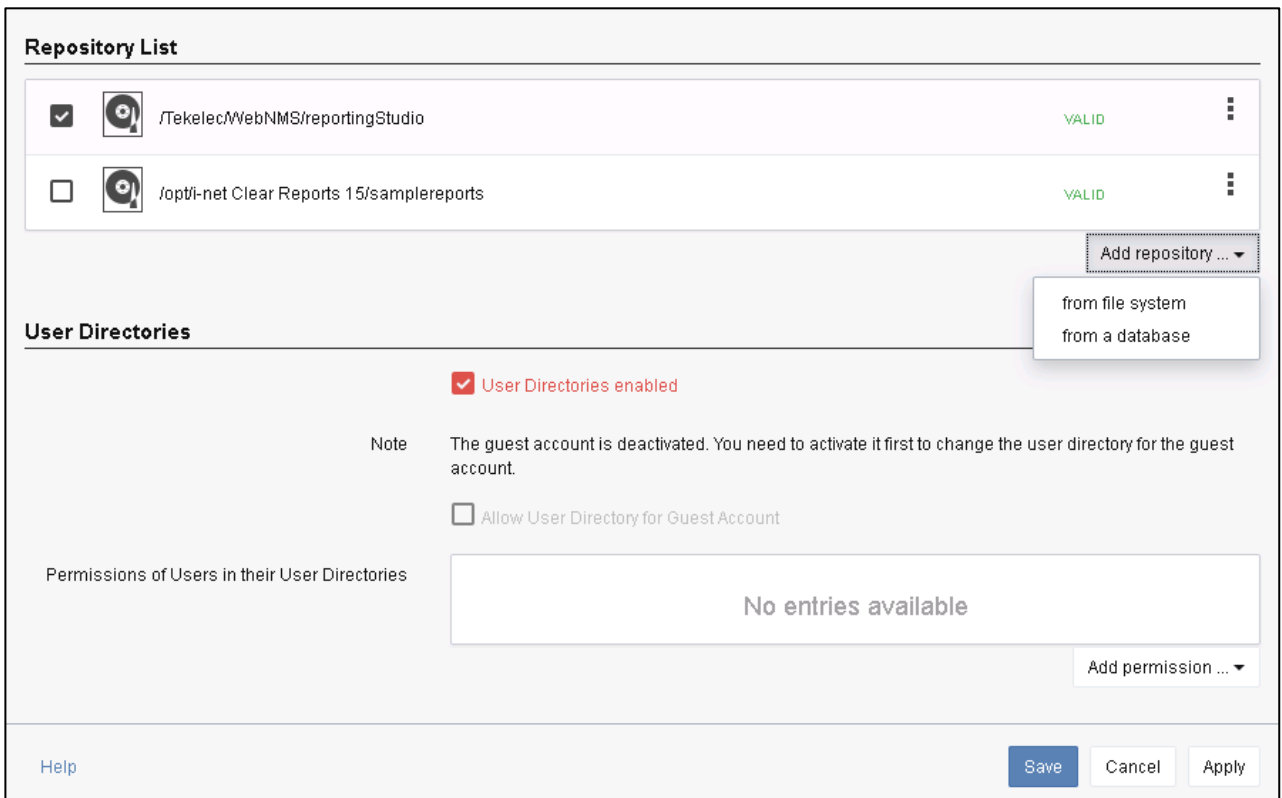
Figure 26: Repository Screen - Select 'From file system' option

On the newly opened screen, browse to path “/Tekelec/WebNMS/reportingStudio” and click OK button.



Figure 27: Repository Screen – Browse to repository path

- ii) After the directory is added in the list, check the checkbox associated with the path, click 'Apply' and 'Save' buttons.



**Figure 28: Repository Screen – Add the repository path**

14. Adding E5ms filter for single sign on from OCEEMS –

In the ‘REPORT’ section, click on the ‘Customization’ option. It shall open the ‘Customization’ screen. Click on ‘Add a Servlet Filter’ button, add an entry “com.tekelec.e5ms.filter.E5msFilter” in the corresponding text box and click on the Arrow (☑) icon. This will add the “com.tekelec.e5ms.filter.E5msFilter” entry. Then, click on Apply and Save buttons to save the changes.



public

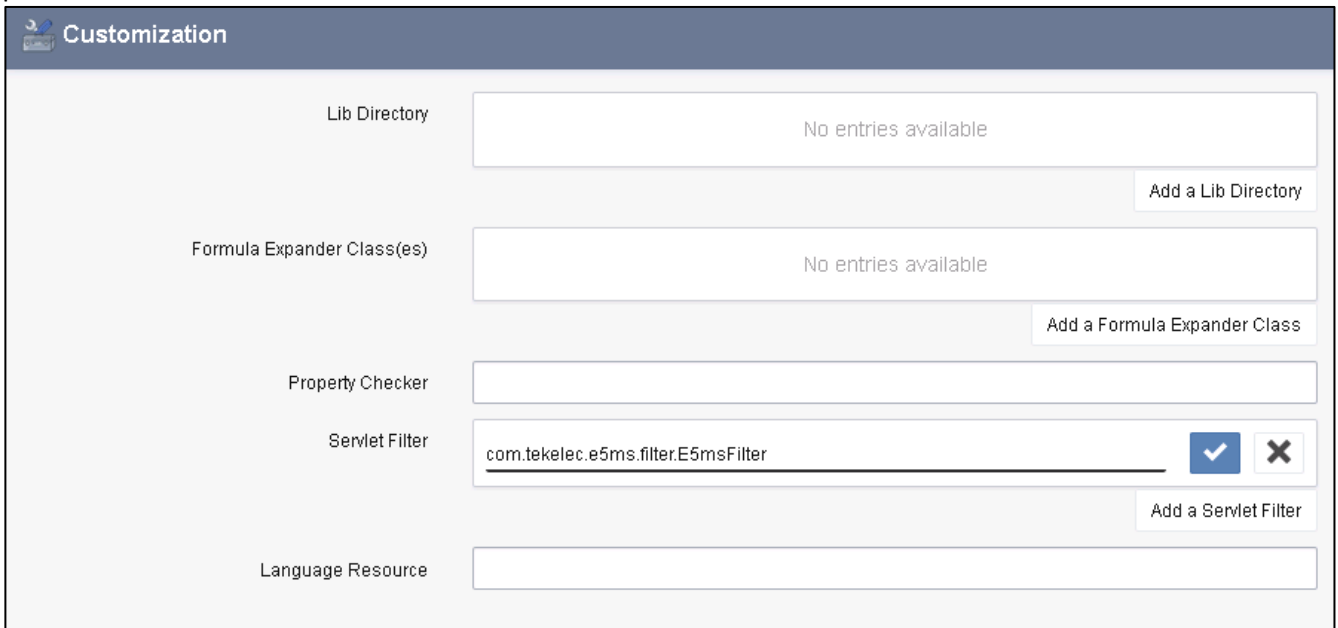


Figure 29: Adding E5ms Filter

15. Setting Login type –

In the 'SECURITY' section, click on the 'Login' option. It shall open the 'Login' screen. In the 'Login Type' drop down, select value 'Internal Webserver'. Then, click on Apply button.

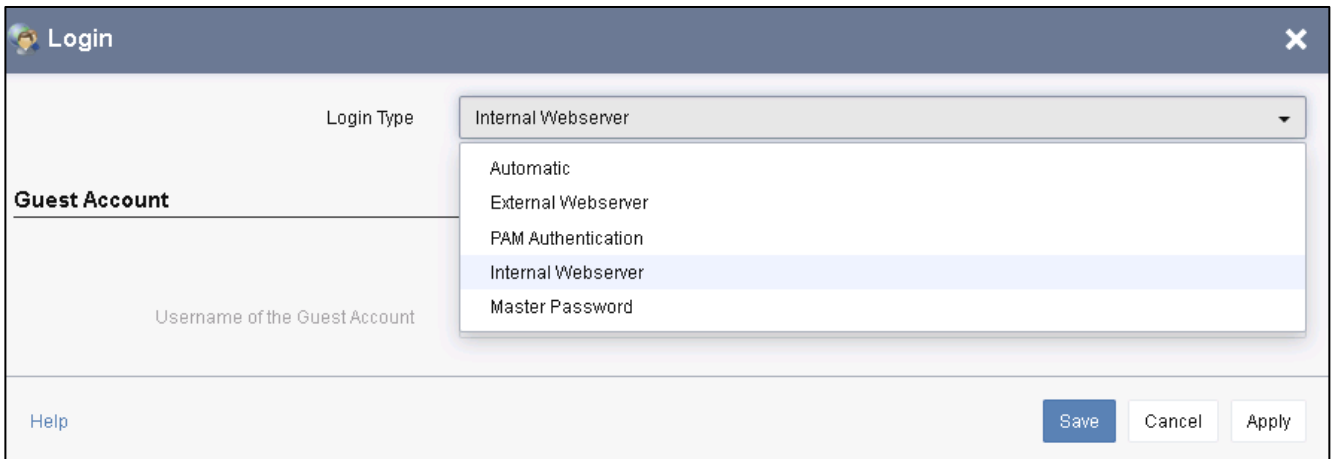
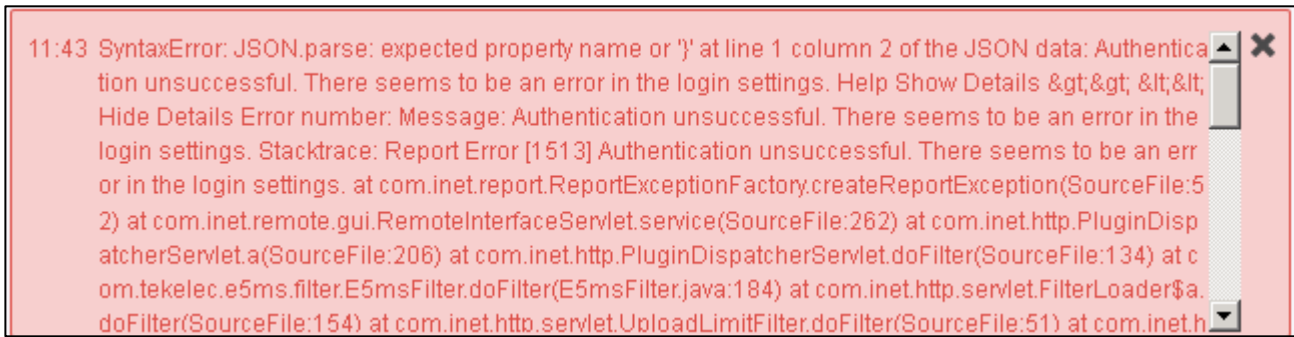


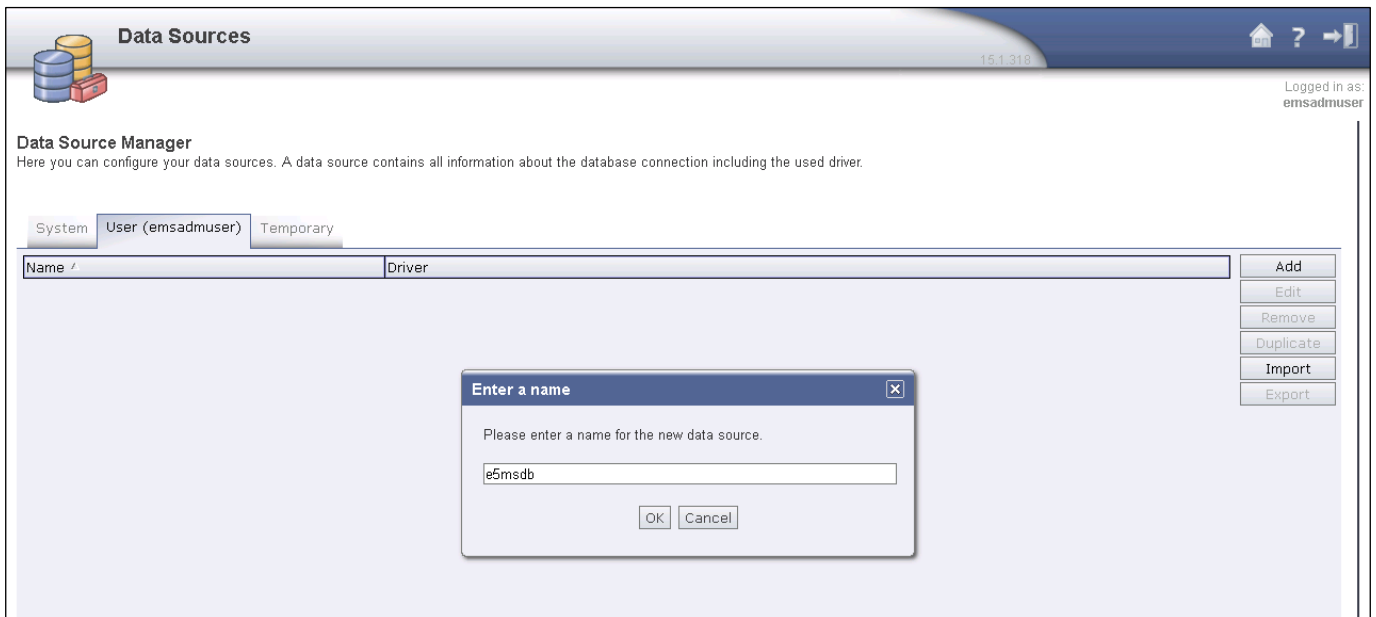
Figure 30: Setting Login Type

**Note:** Since the Login Type has been changed in the above step, there shall be an error message thrown after the above change as shown in the screenshot below:



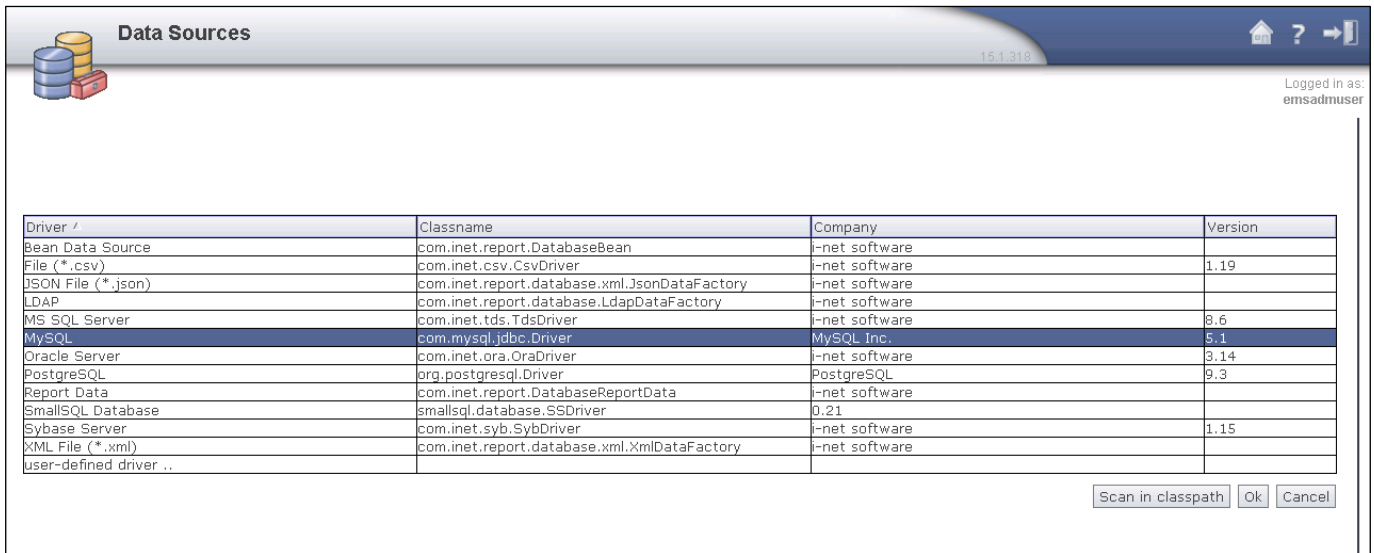
**Figure 31: Error message after changing Login Type**

16. Close the current browser window where the error message was observed. Login to OCEEMS client using root user and launch ‘Reporting Studio’ using the ‘Reporting Studio’ link available in top menu bar.
17. Adding OCEEMS database as the data source –
  - i) On the ‘Remote Interface’ screen, click on ‘Data Sources’ link. It shall open the ‘Data Source Configuration’ screen.
  - ii) On this screen, Select tab User (emsadmuser), click ‘Add’ button and provide the database name ‘e5msdb’ and click OK as shown below –



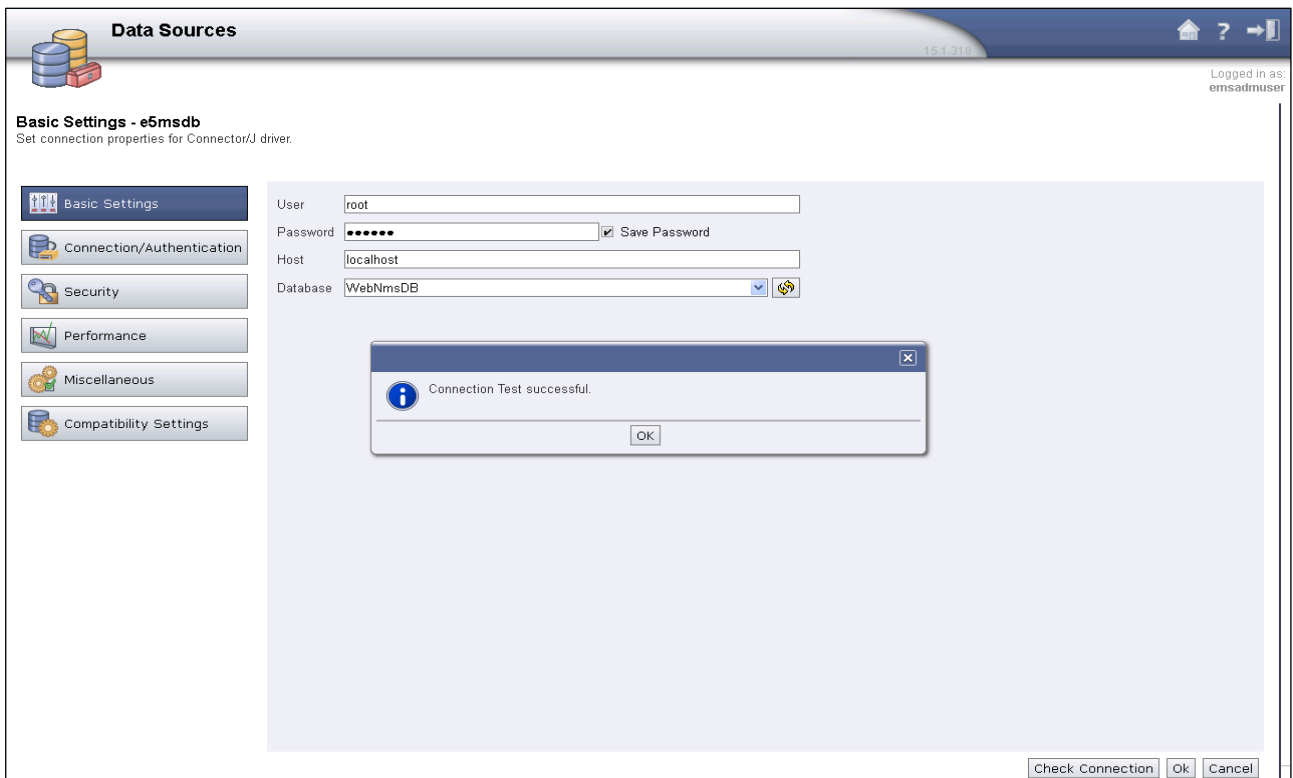
**Figure 32: Adding OCEEMS database as datasource**

On the next page, select the MySQL driver as shown below and click OK.



**Figure 33: Adding OCEEMS database - Select driver**

On the next page, provide values for User, Password, Host and Database fields as shown below. If OCEEMS server is running, then on clicking the Check Connection button, it shall show a connection successful message as shown below -



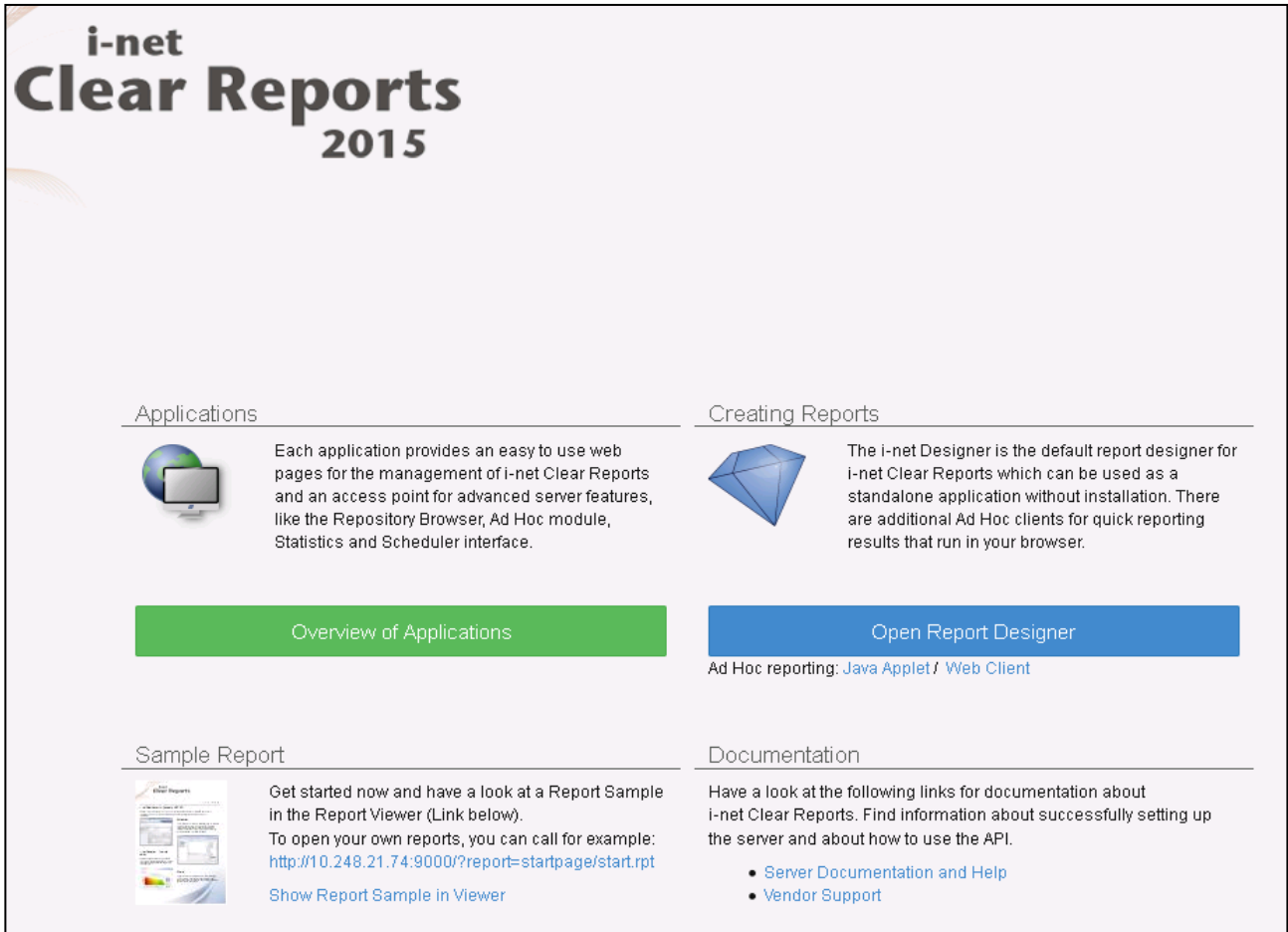
**Figure 34: Adding OCEEMS database – Done**

18. This procedure is complete.

### 3.2 Configuration after upgrade

After successful upgrade to Reporting Studio 46.3 and startup of i-net Clear Reports server, following steps are needed to configure it so that it is ready to be used with OCEEMS. Note that OCEEMS server should be running while i-net Clear Reports is being configured.

1. Open URL [http://<IPAddress\\_of\\_Server>:9000](http://<IPAddress_of_Server>:9000) for i-net Clear Reports in a browser window. It shall open i-net Clear Reports Welcome page as shown below.



**Figure 35: I-net Welcome Screen**

2. Click on the ‘Overview of Applications’ link. It shall open a User Login prompt as shown below. Provide the login credentials of the non-root user to login.

Note: If you have not made an admin user and continuing to use root user after the upgrade to OCEEMS 46.3, then provide the login credential of root user.

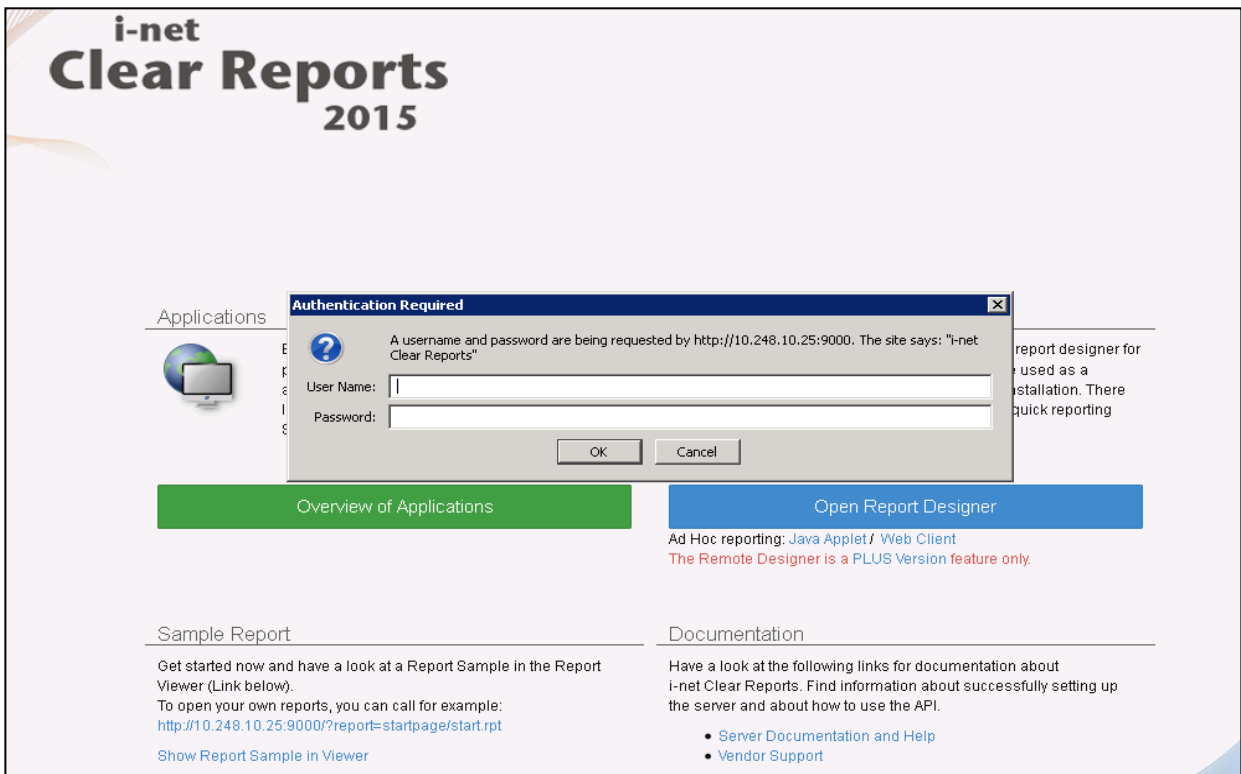
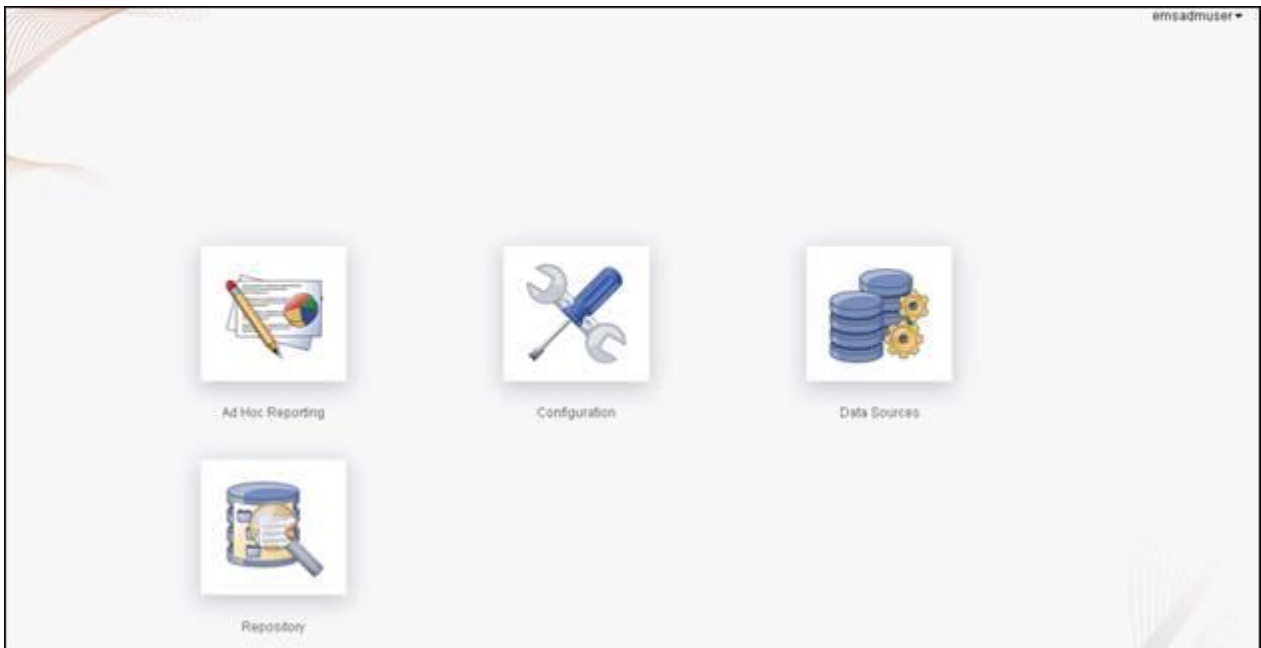


Figure 36: Automatic Authentication

3. On successful login, the Remote interface screen shall be opened.



4. On the 'Remote Interface' screen, click on the 'Configuration' link. It shall open the 'Configuration' screen. On the 'Configuration' screen, go to top right corner of the screen and click on the "Switch to Advanced view" link.

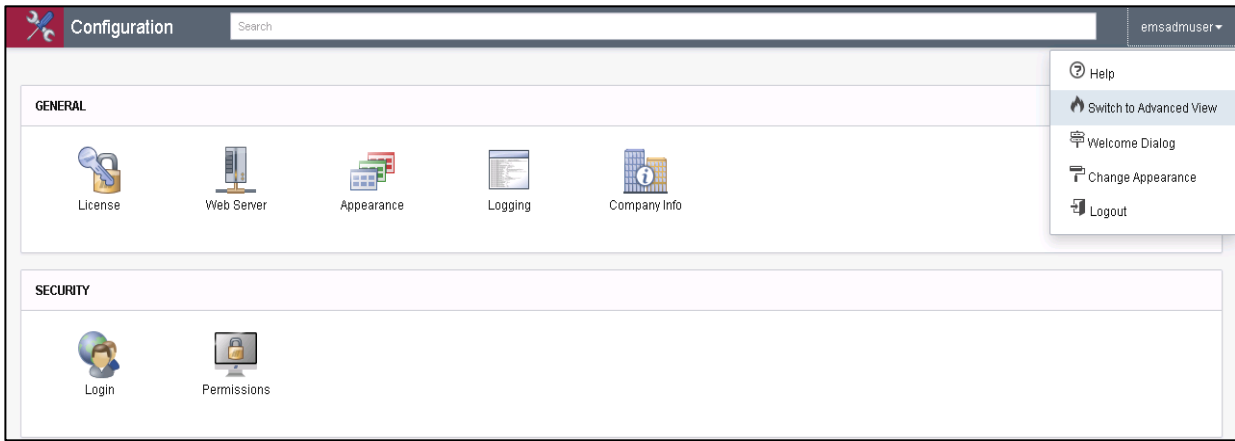


Figure 37: Switch to Advance view

5. On the Configuration Screen Click on ‘Manage’ button on the top right corner. The following screen would come up, click on the “Import Configuration” link:

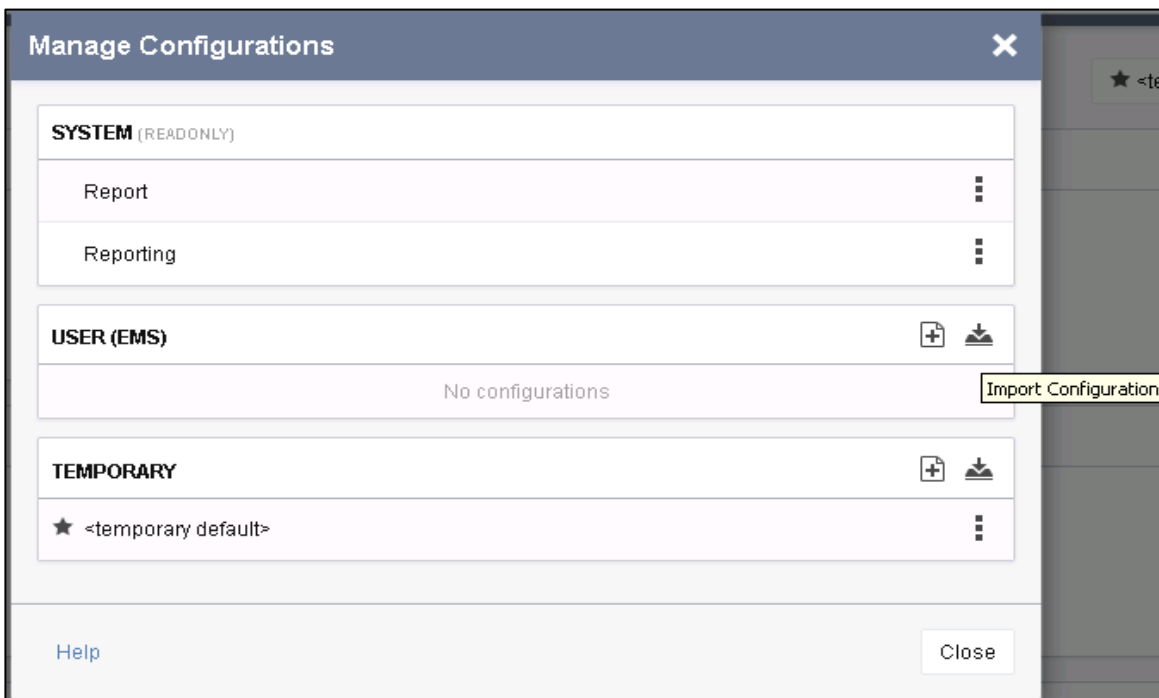
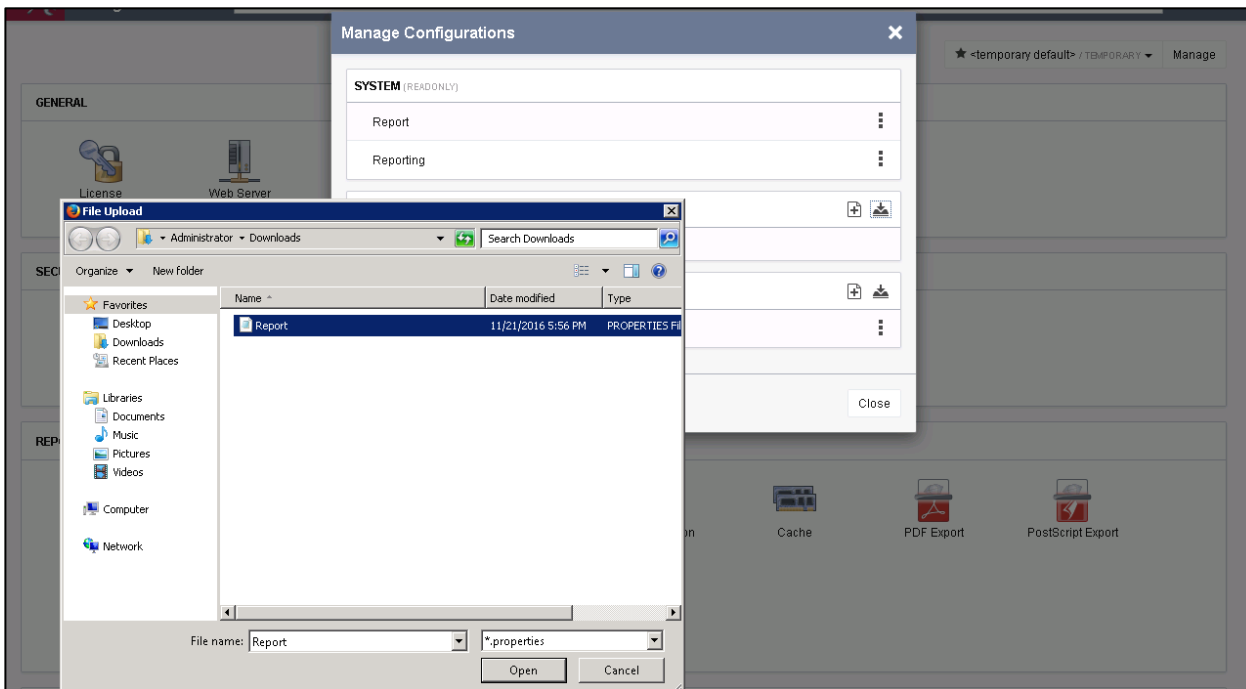


Figure 38: Manage Configuration Screen

6. Click on the “Import Configuration” button. Select the Configuration exported in step 3 of upgrade.



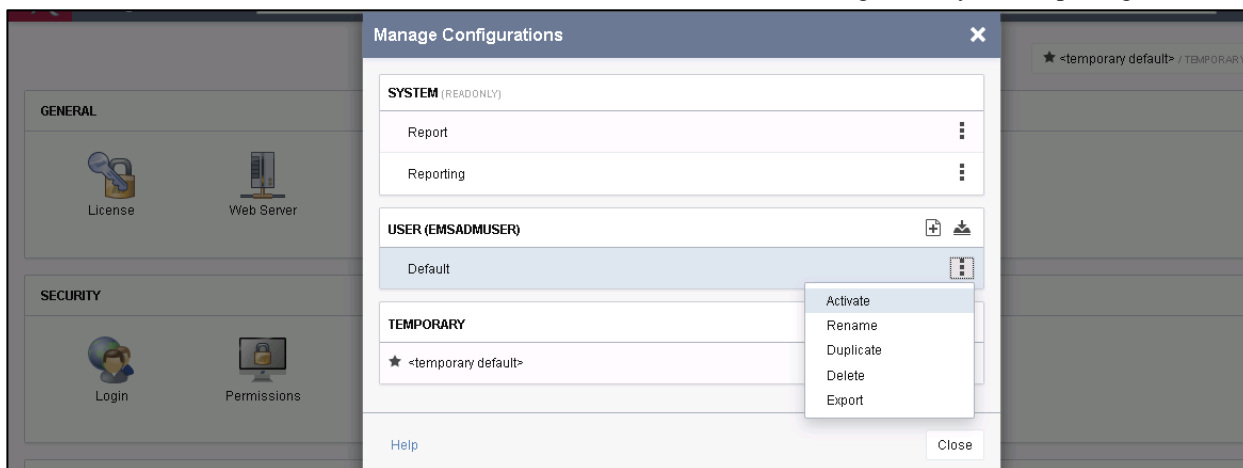
**Figure 39: Import Configuration**

Give the name as 'Default' and click OK.



**Figure 40: Configuration Name**

7. Activate the 'Default' configuration in the user scope. An Access not granted exception will come up.



**Figure 41: Activating Configuration**

Close i-net client and restart i-net server using non-root user (Use Section 5.0 to stop and Section 4.0 to start the server).

Note: If you have not made an admin user and continuing to use root user after the upgrade to OCEEMS 46.3, use root user to restart the i-net server.

8. Login to OCEEMS client using an admin user and launch 'Reporting Studio' using the 'Reporting Studio' link available in top menu bar.
9. On the Remote interface screen, Click on 'Configuration' icon.
10. In the General Section, click on 'License'.



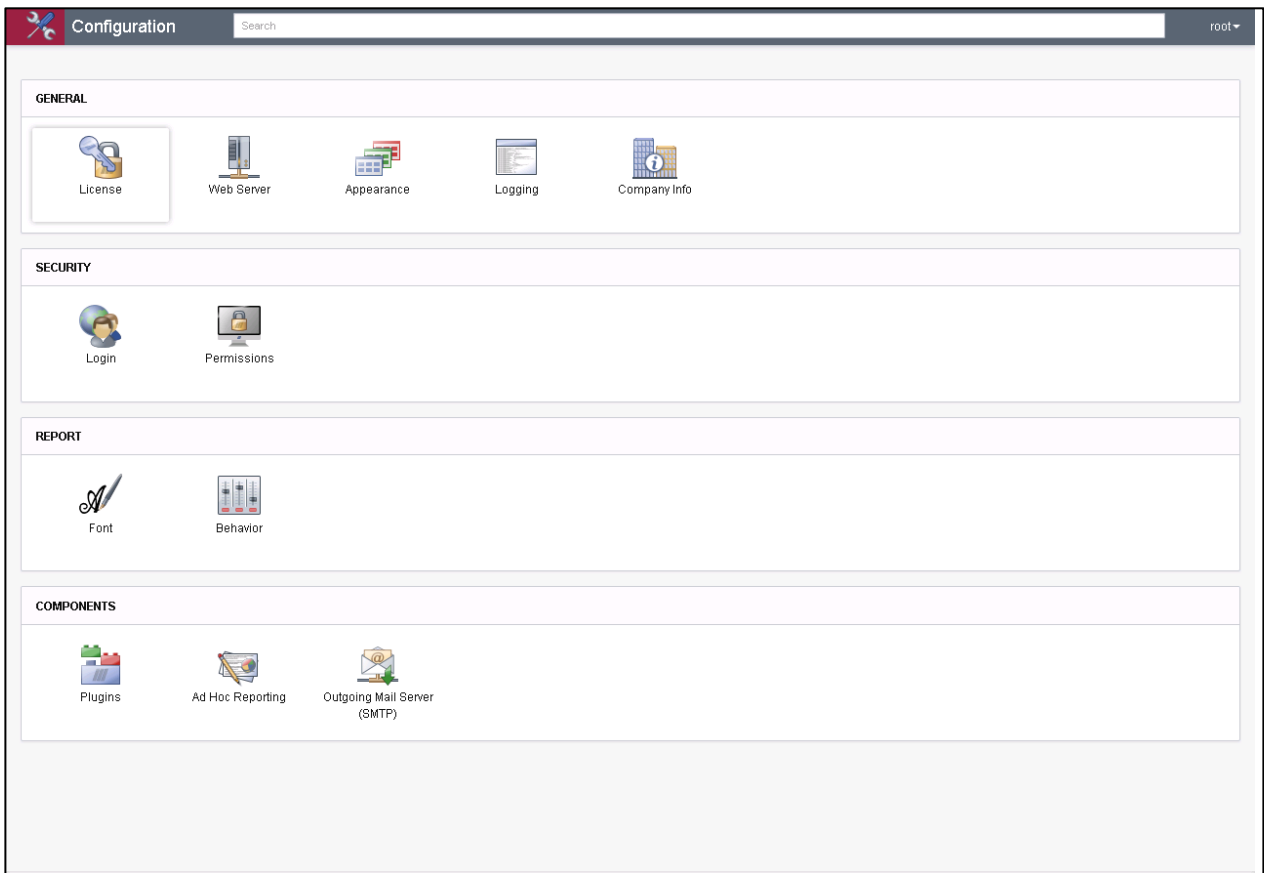


Figure 42: Launching 'License' screen after upgrade

11. On the License screen, License for previous i-net Clear Reports version shall be available. Click on 'Add a License key' and then select 'Enter a License key'. Enter the License Key for new 15.x version and click OK to save it. Click on Apply and Save.

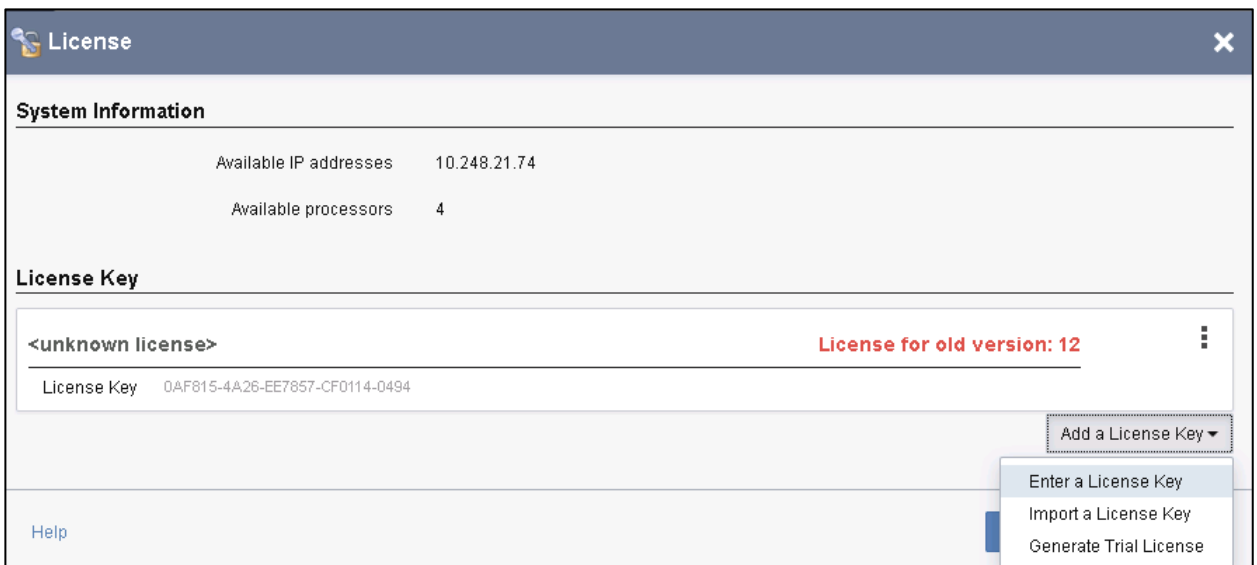


Figure 43: Adding i-net Clear Report 15.x license



Figure 44: Adding i-net Clear Report 15.x license key

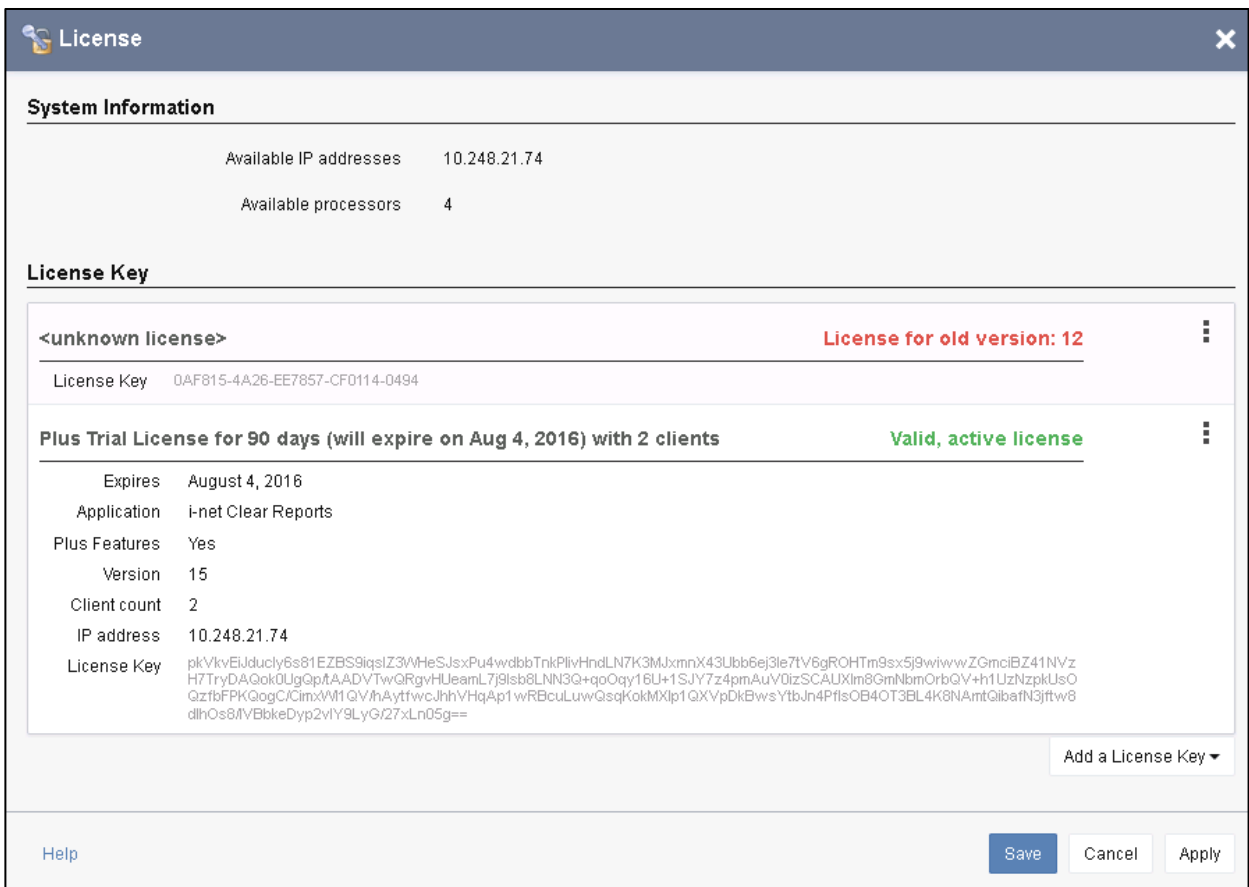


Figure 45: i-net Clear Report 15.x License saved

- On the 'Configuration' Screen, in the SECURITY section, click on the 'Permissions' option. It shall open the 'Permissions' screen. On the 'Permissions' screen, hover on the 'root' user shown and click on the 'edit' button to update permissions for the 'root' user. The edit button should be visible on the right hand side.

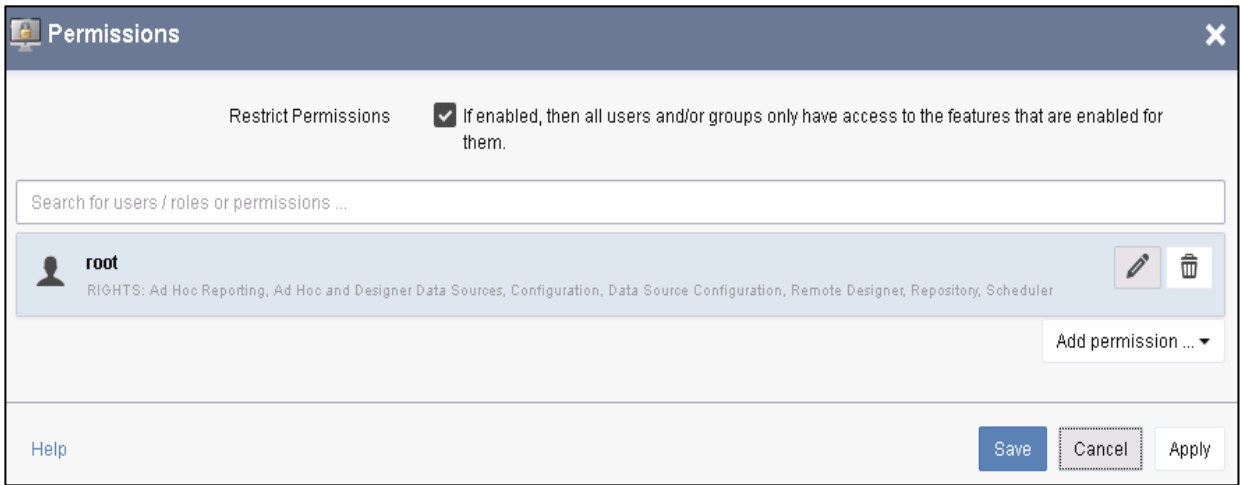


Figure 46: Modify permissions for 'root' user

Check the 'Execute All Reports' option on the right hand side and click 'OK' button.

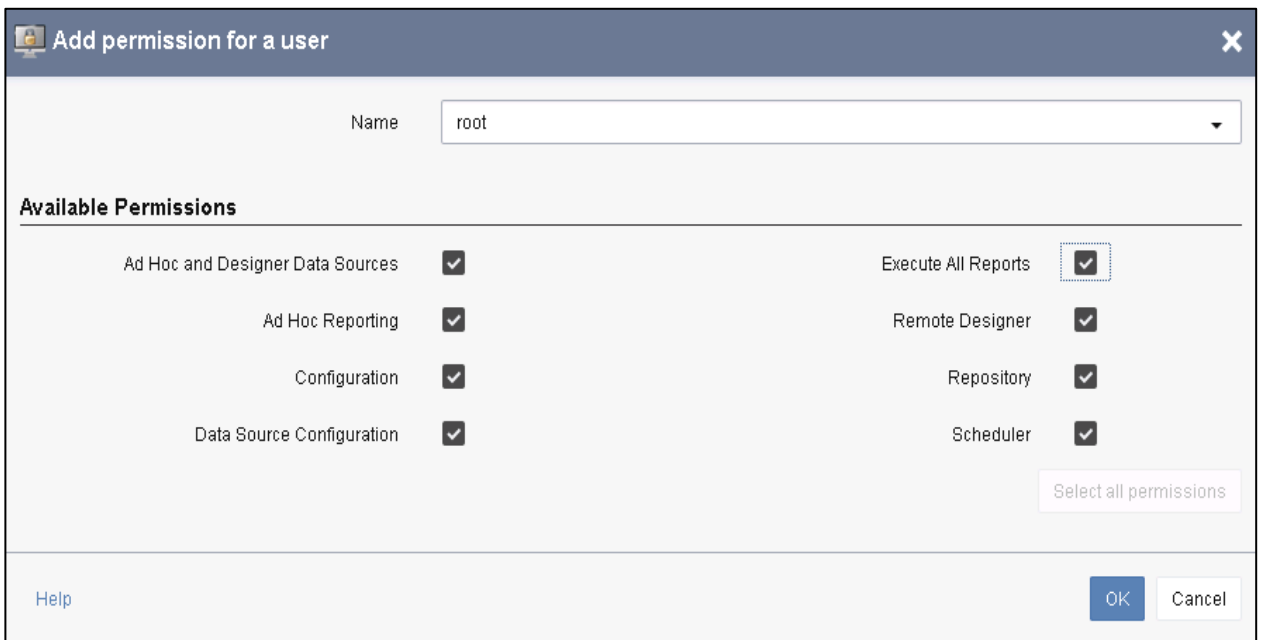
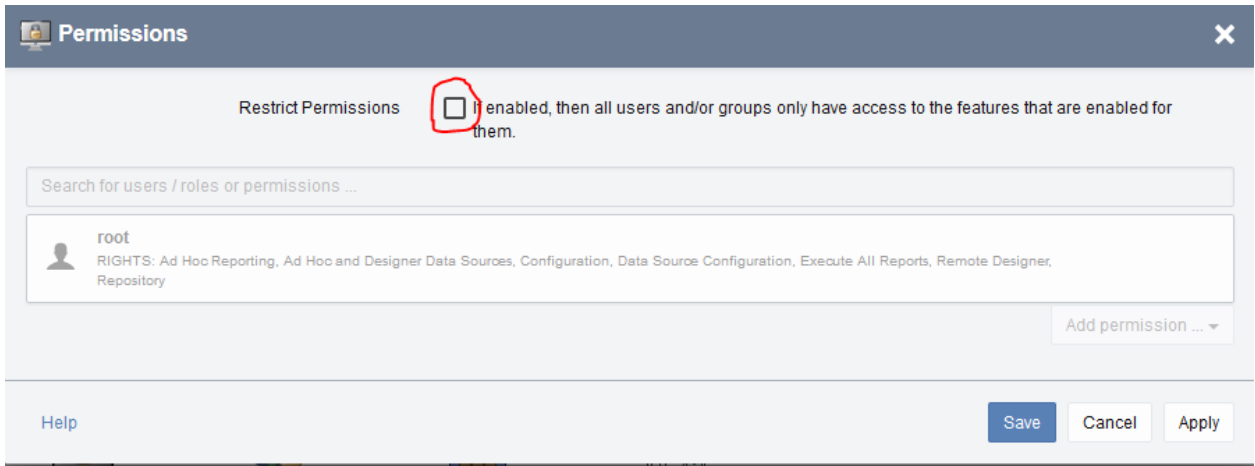


Figure 47: Add 'Execute All Reports' permission for 'root' user

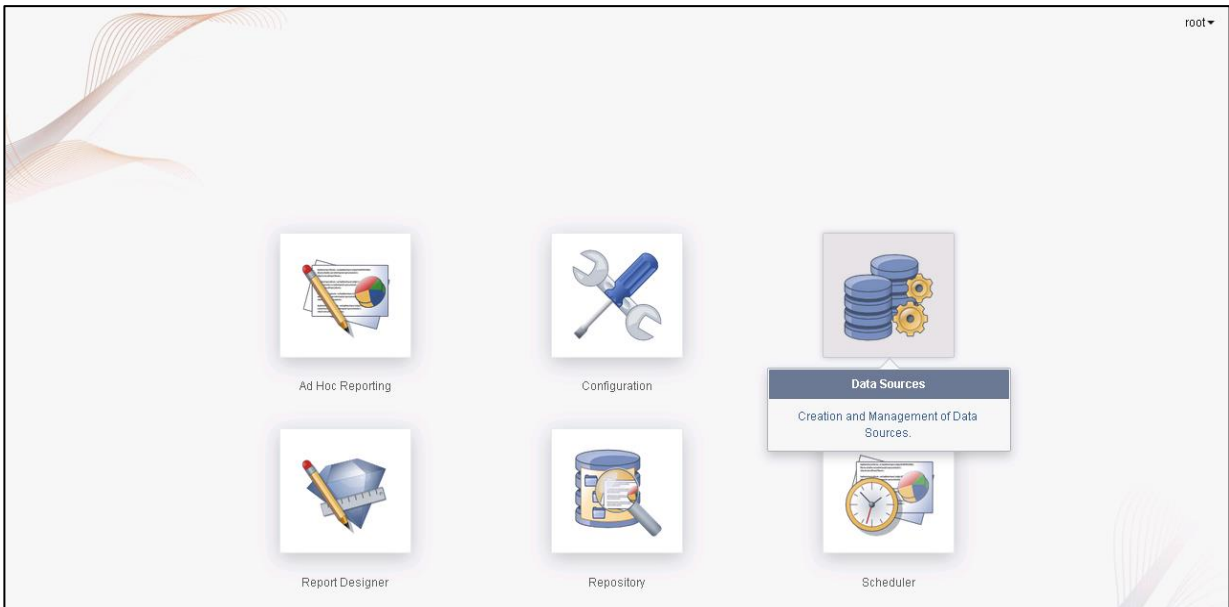
Uncheck the 'Restrict Permissions' checkbox, then click 'Apply' and 'Save' buttons.

**Note: Do not forget to uncheck the 'Restrict Permission' in this step.**



**Figure 48: Save changes to permissions of 'root' user**

13. Click on the “Data Source” link on the Remote Interface screen.



**Figure 49: Data sources on Remote Interface**

14. Click on the User Tab, then click the import button to import the data source exported previously. Click on the browse button and select the data source configuration exported, then Click ‘Open’ button. Then click ‘Import’ to import data source.

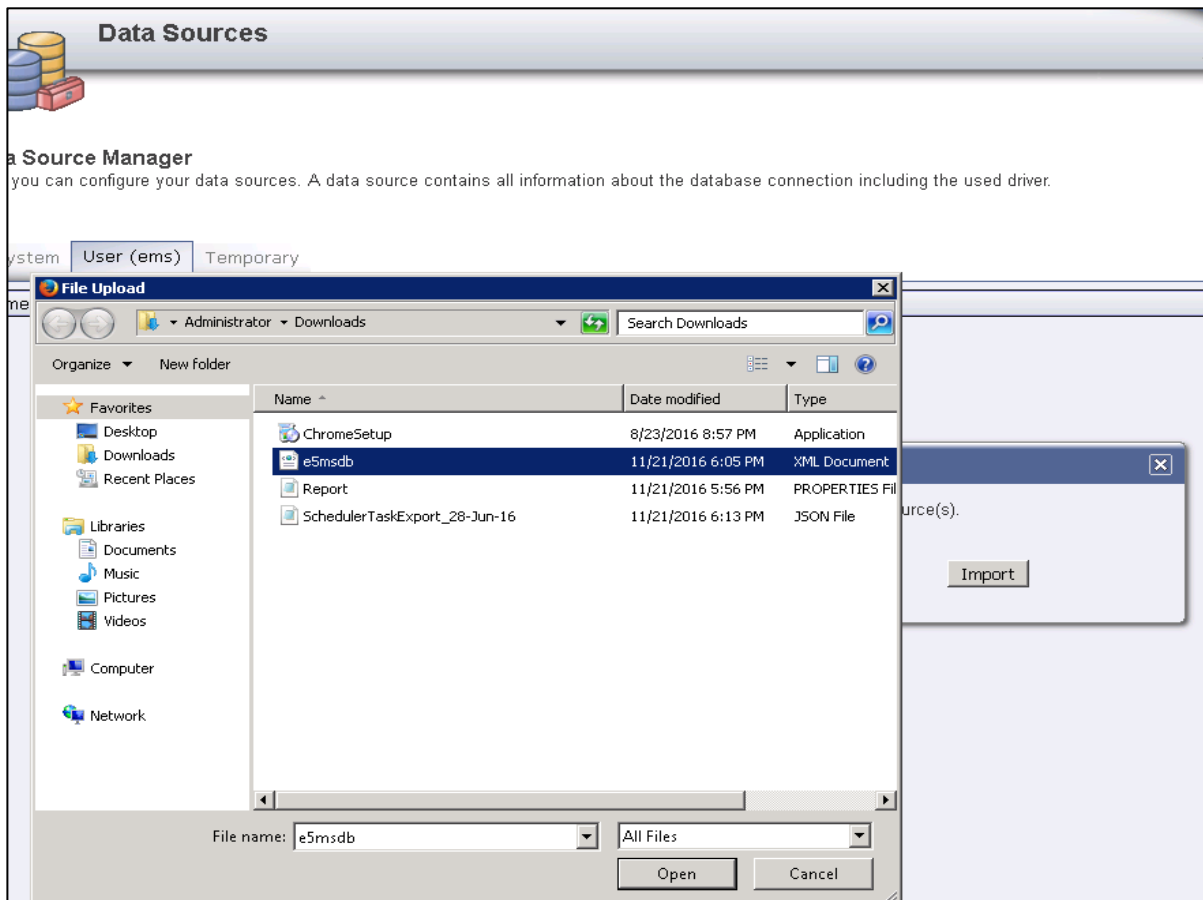


Figure 50: Import Data Source

- 15. Click on the home button on the top right corner of the screen. Go to the Scheduler section.
- 16. Click on the “Task import/export” button and click “Import Tasks” link.

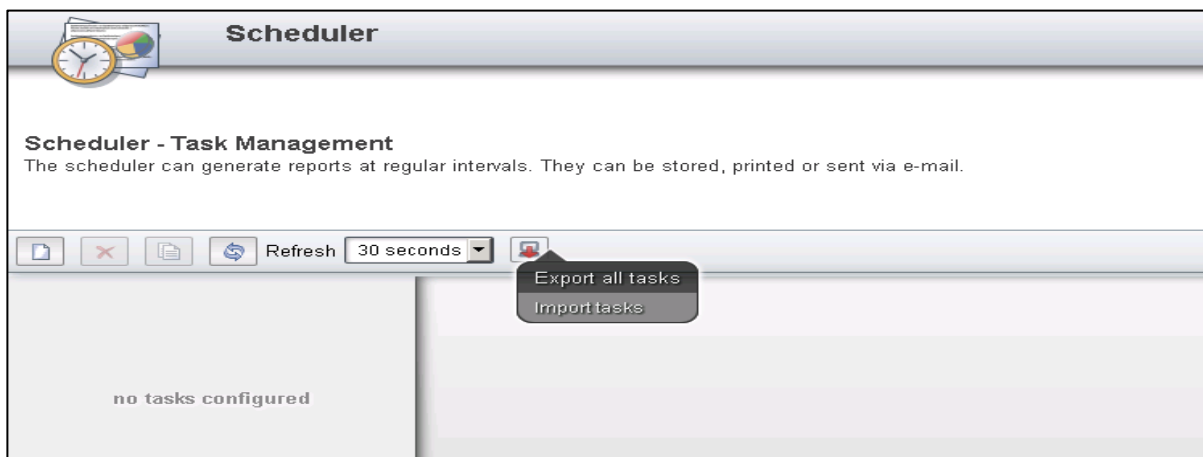


Figure 51: Import Scheduler tasks

- 17. Select the Scheduler task exported previously and click ‘Open’. On the next dialog window click ‘OK’.

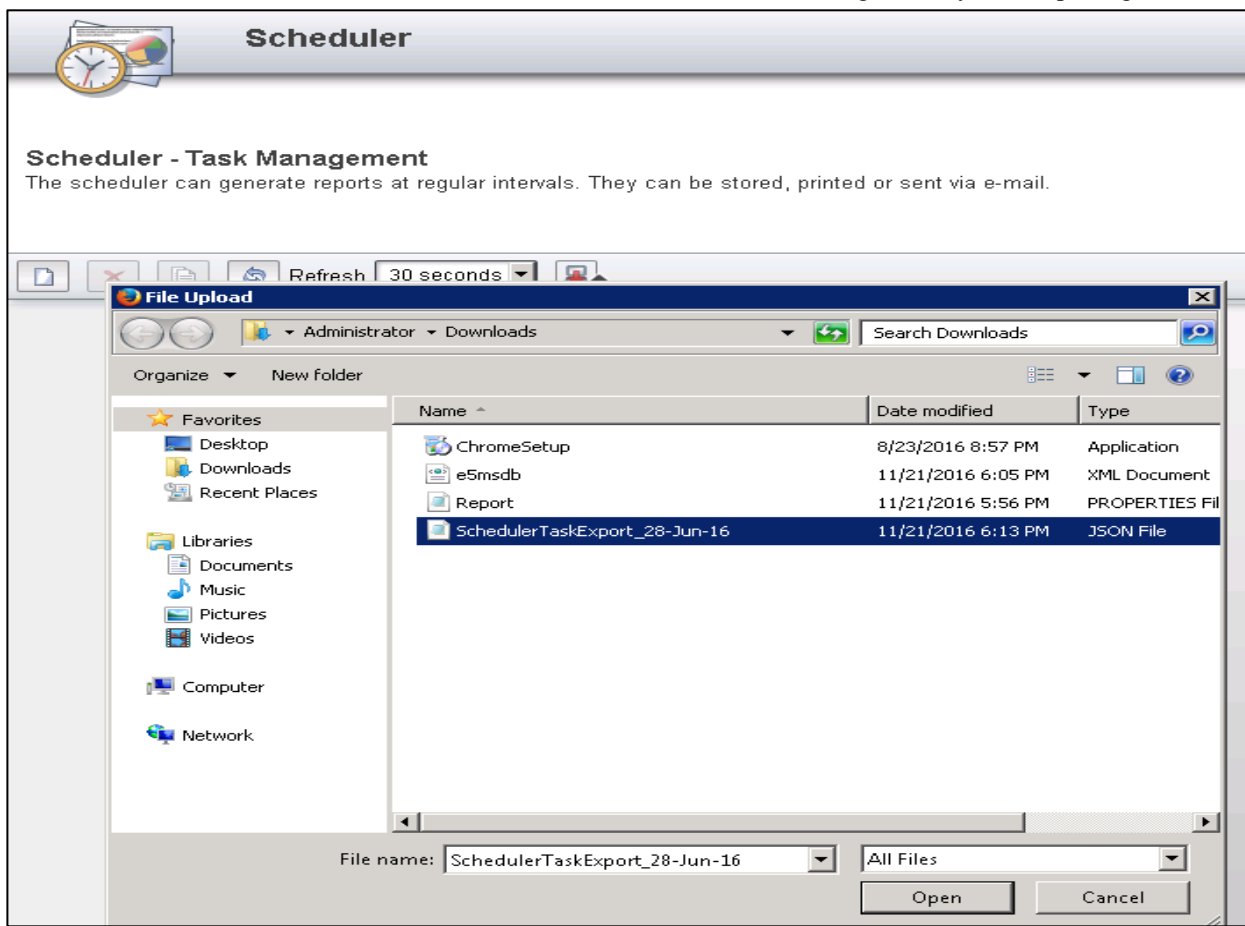


Figure 52: Select Scheduler task to import

18. This procedure is complete.

## 4.0 STARTING I-NET CLEAR REPORTS SERVER

After successful installation, following steps should be performed by 'root' or a system admin user to start i-net Clear Reports server –

1. cd to the i-net Clear Reports installation directory –

```
# cd /opt/i-net\ Clear\ Reports\ 15/
```

2. Start i-net Clear Reports server by using following command –

```
# sh clearreports.sh start
```

i-net server shall start listening to the preconfigured port 9000 and it can now be used -

```
[root@e5ms9 i-net Clear Reports 15]# sh clearreports.sh start
Created temporary file directory "/tmp/clearreports.Mt1"
Output will be logged to '/var/log/clearreports'
Starting i-net Clear Reports (PID: 5043) [ OK ]
```

3. This procedure is complete.

## 5.0 STOPPING I-NET CLEAR REPORTS SERVER

To stop i-net Clear Reports server, following steps should be performed by 'root' or a system admin user -

1. cd to the i-net Clear Reports installation directory –

```
# cd /opt/i-net\ Clear\ Reports\ 15/
```

2. Stop i-net Clear Reports server by using following command –

```
# sh clearreports.sh stop
```

```
[root@e5ms9 i-net Clear Reports 15]# sh clearreports.sh stop  
Stopped i-net Clear Reports Server (PID: 3039) [ OK ]
```

3. This procedure is complete.



### 6.0 LOG MESSAGES WHILE INSTALLING I-NET CLEAR REPORTS

```

creating Logfile: 'ClearReportsSetup_1465914327174.txt' in: '/root/reporting-studio/clear-
reports'
Setting current configuration to: Temp/<temporary default>
[Config,INFO ,6/14 19:55:28,#00001] Starting initialization of plugins with server version 15
[Config,INFO ,6/14 19:55:28,#00001] Searching for plugins in folder 'plugins'
[Config,INFO ,6/14 19:55:28,#00001] Checking init constraints plugins
[Config,INFO ,6/14 19:55:28,#00001] Checking init constraints finished
[Config,INFO ,6/14 19:55:28,#00001] Checking activated plugins
[Config,INFO ,6/14 19:55:28,#00001] Activated check finished
[Config,INFO ,6/14 19:55:28,#00001] Checking required server version of plugins
[Config,INFO ,6/14 19:55:28,#00001] Allowed check finished
[Config,INFO ,6/14 19:55:28,#00001] Checking plugin dependencies
[Config,INFO ,6/14 19:55:28,#00001] Dependencies check finished
[Config,INFO ,6/14 19:55:28,#00001] Load plugin 'reporting' (15.1)
[Config,INFO ,6/14 19:55:28,#00001] Registering extensions of 'reporting' (15.1)
[Config,INFO ,6/14 19:55:28,#00001] Initializing 'reporting'
[Config,INFO ,6/14 19:55:28,#00001] Finished initialization of plugins. 1 plugin available.

```

```

=====
Software License Agreement
-----

```

End User Terms and Conditions  
License Agreement

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## 7.0 UNINSTALLATION OF I-NET CLEAR REPORTS

To uninstall i-net Clear Reports server, following steps should be performed by super user 'root'. Note that the uninstallation script launches display so the display of server shall be properly forwarded –

1. cd to the i-net Clear Reports installation directory –

```
# cd /opt/i-net\ Clear\ Reports\ 15/
```

2. Execute the uninstall script using following command –

```
# sh uninstall.sh
```

This shall display messages similar to following -

```
[root@e5ms1 i-net Clear Reports]# sh uninstall.sh
Starting the i-net Clear Reports Uninstaller
+ cd '/opt/i-net Clear Reports 15'
+ java -jar Uninstaller/uninstaller.jar
Command line uninstaller.

Force deletion: false
creating Logfile: 'ClearReportsSetup_1482404932069.txt' in: '/opt/i-net Clear Reports
15/Uninstaller'
Processing destroy
/root/reporting-studio/unzip/ClearReportsSetup_1480608626436.txt
/opt/i-net Clear Reports 15/uninstall.sh
/opt/i-net Clear Reports 15/templates/04-reportsamples/pie_chart_sample.rpt
/opt/i-net Clear Reports 15/templates/04-reportsamples/orders_per_products.rpt
/opt/i-net Clear Reports 15/templates/04-reportsamples/multicolumn.rpt
/opt/i-net Clear Reports 15/templates/04-reportsamples/mailing_label.rpt
/opt/i-net Clear Reports 15/templates/04-reportsamples/empoftheyear.rpt
/opt/i-net Clear Reports 15/templates/04-reportsamples/customerprofilereport.rpt
/opt/i-net Clear Reports 15/templates/04-reportsamples/crosstab_sample.rpt
/opt/i-net Clear Reports 15/templates/04-reportsamples/bowling_sample.rpt
/opt/i-net Clear Reports 15/templates/04-reportsamples/bar_chart_sample.rpt
/opt/i-net Clear Reports 15/templates/04-reportsamples/.directoryName
/opt/i-net Clear Reports 15/templates/03-blueberry/reportPermissions.xml
/opt/i-net Clear Reports 15/templates/03-blueberry/05-blueberry-crosstab-landscape.rpt
/opt/i-net Clear Reports 15/templates/03-blueberry/04-blueberry-crosstab-portrait.rpt
/opt/i-net Clear Reports 15/templates/03-blueberry/03-blueberry-chart-landscape.rpt
/opt/i-net Clear Reports 15/templates/03-blueberry/02-blueberry-chart-portrait.rpt
/opt/i-net Clear Reports 15/templates/03-blueberry/01-blueberry-table-data.rpt
/opt/i-net Clear Reports 15/templates/03-blueberry/.directoryName
/opt/i-net Clear Reports 15/templates/02-summer-breeze/reportPermissions.xml
/opt/i-net Clear Reports 15/templates/02-summer-breeze/05-summer-breeze-crosstab-
landscape.rpt
/opt/i-net Clear Reports 15/templates/02-summer-breeze/04-summer-breeze-crosstab-
portrait.rpt
/opt/i-net Clear Reports 15/templates/02-summer-breeze/03-summer-breeze-chart-
landscape.rpt
/opt/i-net Clear Reports 15/templates/02-summer-breeze/02-summer-breeze-chart-
portrait.rpt
/opt/i-net Clear Reports 15/templates/02-summer-breeze/01-summer-breeze-table-data.rpt
/opt/i-net Clear Reports 15/templates/02-summer-breeze/.directoryName
/opt/i-net Clear Reports 15/templates/01-unstyled/reportPermissions.xml
.....
```

.....  
 .....

**(Output truncated for better readability)**

```

15/documentation/developer/apispec/com/inet/authentication/UserGroup.html
/opt/i-net Clear Reports
15/documentation/developer/apispec/com/inet/authentication/RemoteWebUserInfo.html
/opt/i-net Clear Reports
15/documentation/developer/apispec/com/inet/authentication/GroupType.html
/opt/i-net Clear Reports
15/documentation/developer/apispec/com/inet/authentication/AuthenticationProvider.html
/opt/i-net Clear Reports
15/documentation/developer/apispec/allclasses-noframe.html
/opt/i-net Clear Reports
15/documentation/developer/apispec/allclasses-frame.html
/opt/i-net Clear Reports
15/documentation/developer/Server-Programming.pdf
/opt/i-net Clear Reports
15/documentation/developer/Java-Viewer-Programming.pdf
/opt/i-net Clear Reports
15/documentation/developer/HTML-Viewer-Programming.pdf
/opt/i-net Clear Reports
15/documentation/developer/DotNet-Viewer.pdf
/opt/i-net Clear Reports
15/documentation/developer/DotNet-Programming.pdf
/opt/i-net Clear Reports
15/documentation/designer/Grouping-and-Sorting.pdf
/opt/i-net Clear Reports
15/documentation/designer/Getting-Started.pdf
/opt/i-net Clear Reports
15/documentation/designer/Designer-Overview.pdf
/opt/i-net Clear Reports
15/documentation/designer/Database-Wizard.pdf
/opt/i-net Clear Reports
15/documentation/designer/Basic-Concepts.pdf
/opt/i-net Clear Reports
15/documentation/components/Scheduler.pdf
/opt/i-net Clear Reports
15/documentation/components/Repository.pdf
/opt/i-net Clear Reports
15/documentation/components/Ad-Hoc-Reporting.pdf
/opt/i-net Clear Reports
15/documentation/Security.pdf
/opt/i-net Clear Reports
15/documentation/Internationalization.pdf
/opt/i-net Clear Reports
15/documentation/Fonts.pdf
/opt/i-net Clear Reports
15/documentation/Features.pdf
/opt/i-net Clear Reports
15/documentation/Crystal-Reports-Migration.pdf
/opt/i-net Clear Reports
15/documentation/Corporate-Design.pdf
/opt/i-net Clear Reports
15/core/slf4j-api-1.6.1.jar
/opt/i-net Clear Reports
15/core/mail.jar
/opt/i-net Clear Reports
15/core/lucene/lucene-core.jar
/opt/i-net Clear Reports
15/core/lucene/compass.jar
/opt/i-net Clear Reports
15/core/lucene/License.txt
/opt/i-net Clear Reports
15/core/jfreechartCC.jar
/opt/i-net Clear Reports
15/core/jfreechart-licence.txt
/opt/i-net Clear Reports
15/core/jcommon.jar
/opt/i-net Clear Reports
15/core/inetcore.jar
/opt/i-net Clear Reports
15/core/commons-logging.jar
/opt/i-net Clear Reports
15/core/ReportViewer.jar
/opt/i-net Clear Reports
15/core/JWebEngine.jar
/opt/i-net Clear Reports
15/core/ClearReports.jar
/opt/i-net Clear Reports
15/core/CCservlet-api.jar
/opt/i-net Clear Reports
15/clearreports.sh
/opt/i-net Clear Reports
15/Uninstaller/uninstaller.jar
/opt/i-net Clear Reports
15/Uninstaller/uninstallAssociations.sh
/opt/i-net Clear Reports
15/Uninstaller/inetold-rpt.xml
/opt/i-net Clear Reports
15/Uninstaller/inet-rpt.xml
/opt/i-net Clear Reports
15/Uninstaller/inet-jra.xml

```

```
/opt/i-net Clear Reports 15/Uninstaller/inet-dataview.xml  
/opt/i-net Clear Reports 15/ClearReportsSetup_1480608626436.txt  
/opt/i-net Clear Reports 15/remotelogin.xml  
[ cleanups ]  
[Finished]
```

3. Remove the installation directory – Come a level up on system and verify if i-net Clear Reports installation directory still exists. If it does, remove it by using following commands –

```
# cd ..  
# rm -rf i-net\ Clear\ Reports\
```

4. Remove the 'reporting-studio' directory.

e.g. If the 'reporting-studio' directory is present under 'root' directory,

```
# cd /root  
# rm -rf reporting-studio
```

Note: reporting-studio directory is created in [Section 2.2](#) step-1.

5. This procedure is complete.

**APPENDIX A: MY ORACLE SUPPORT**

**CAUTION:** Use only the guide downloaded from the Oracle Technology Network (OTN) (<http://www.oracle.com/technetwork/indexes/documentation/oracle-comms-tekelec-2136003.html>).

Before upgrading your system, access the **My Oracle Support** web portal (<https://support.oracle.com>) and review any Knowledge Alerts that may be related to the System Health Check or the Upgrade.

**Web portal (preferred option):** My Oracle Support (MOS) (<https://support.oracle.com>)

**Phone:** Contact your local Oracle Global Customer Support Center (<http://www.oracle.com/support/contact.html>)

Make the following selections on the Support telephone menu:

1. Select '2' for New Service Request
2. Select '3' for Hardware, Networking and Solaris Operating System Support
3. Select '1' for Technical Issues and when talking to the agent, please indicate that you are an existing Tekelec customer

**APPENDIX B: LOG MESSAGES WHILE RUNNING UPDATEINETUSER.SH SCRIPT**

```
[root@e5ms10 bin]# sh updateInetUser.sh
```

This script will enable the OCEEMS non-root user 'ems' to operate i-net Clear reports

Enter path to the i-net installation directory (default is /opt/i-net\ Clear\  
Reports\ 15/):

Do you want to continue with the default directory(Y/N)? y

Non-root user 'ems' can now operate i-net Clear Reports Server

Close this session and start a new session using user 'ems' to proceed with  
i-net operation with user 'ems'.