WALKTHROUGH for Director:

Filters

Draft 1.01

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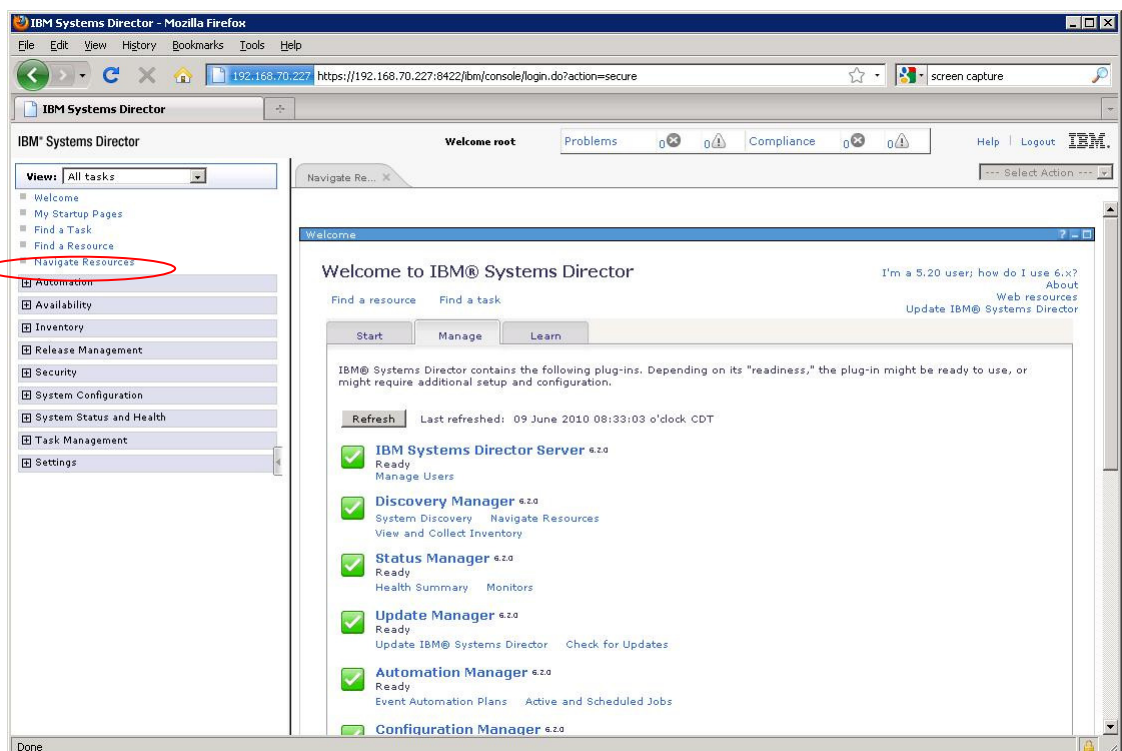
User and User Roles

Environment

JS22 running AIX 6.1 and Director Server 6.2
JS21 & JS20 running AIX 6.1
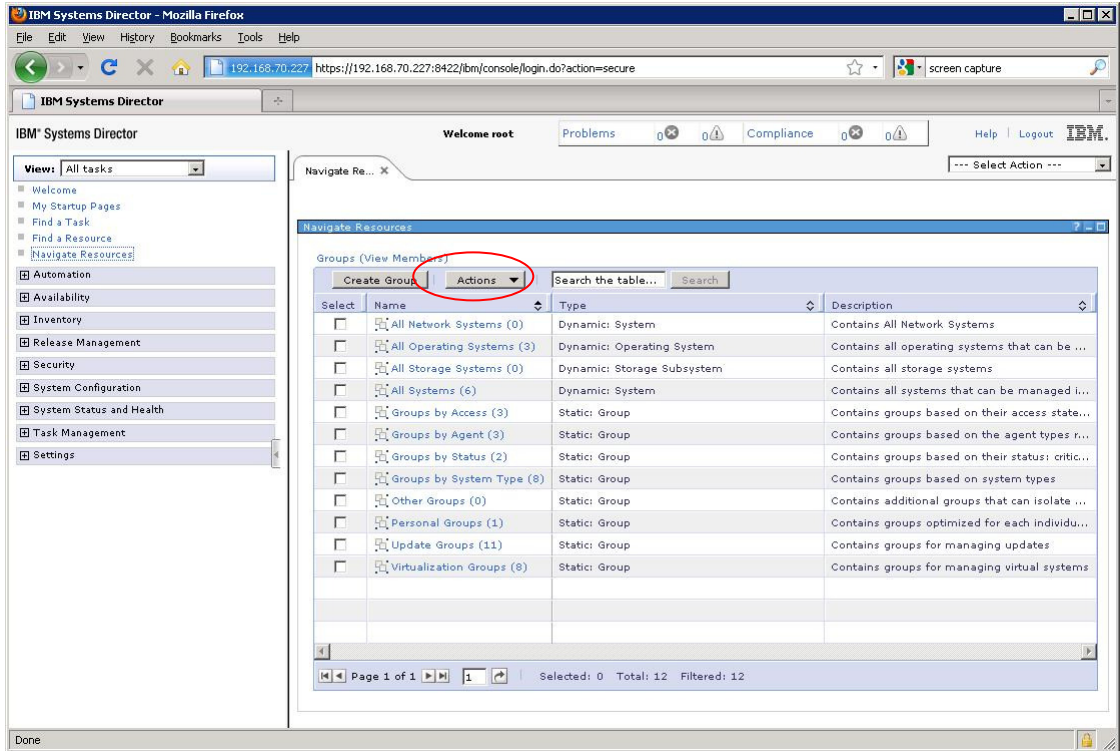Discovery and Inventory have been completed.

Purpose

In response to a recent query this is just a quick tour of how to use filters in Director. The paraphrased question read "Can we see all servers running a certain level of the operating system?"
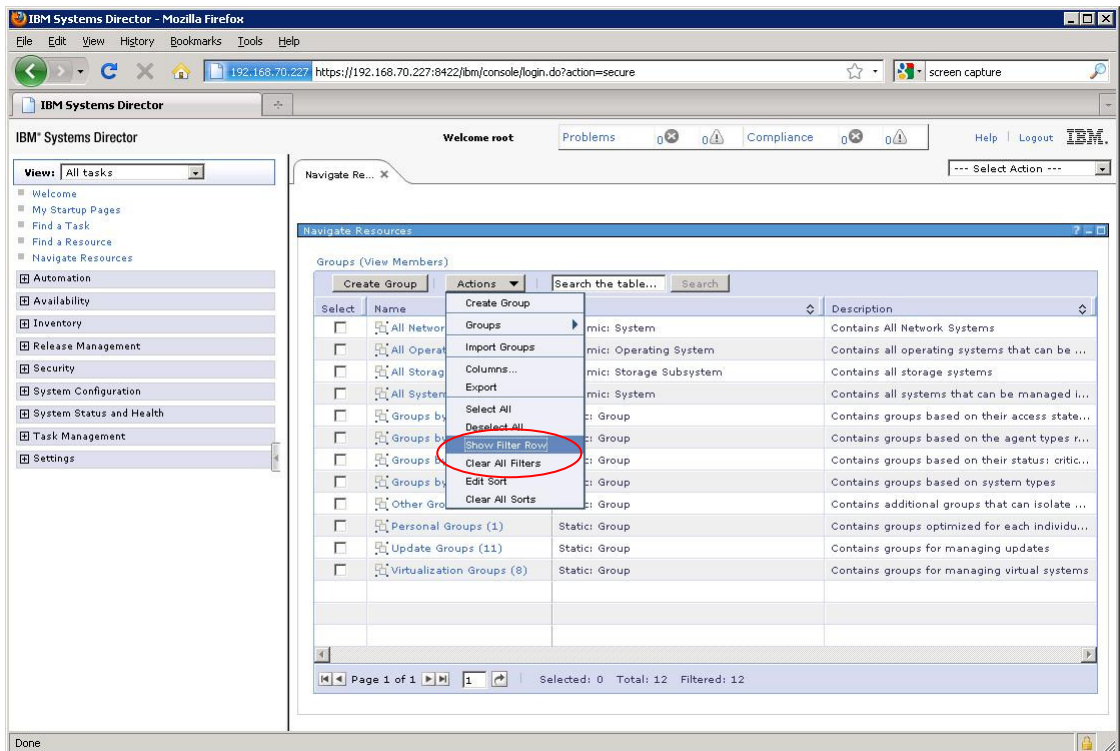
Steps

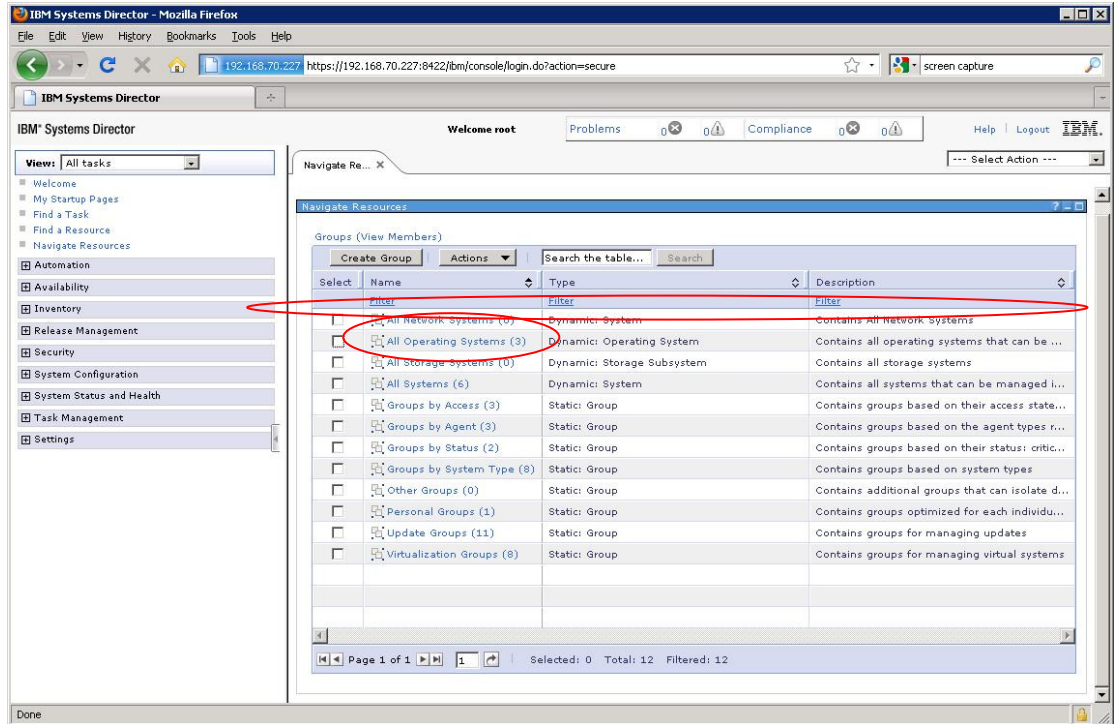1. I have assumed you are logged in. First we click on **Navigate Resources**.
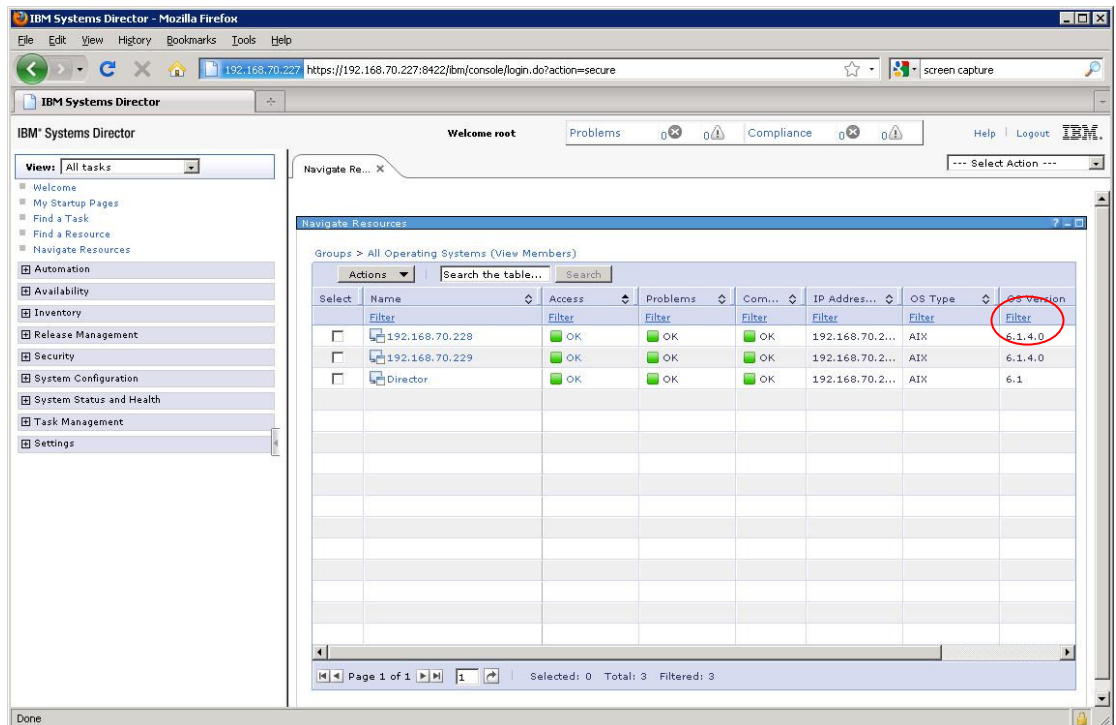
2. Now click **Actions**.

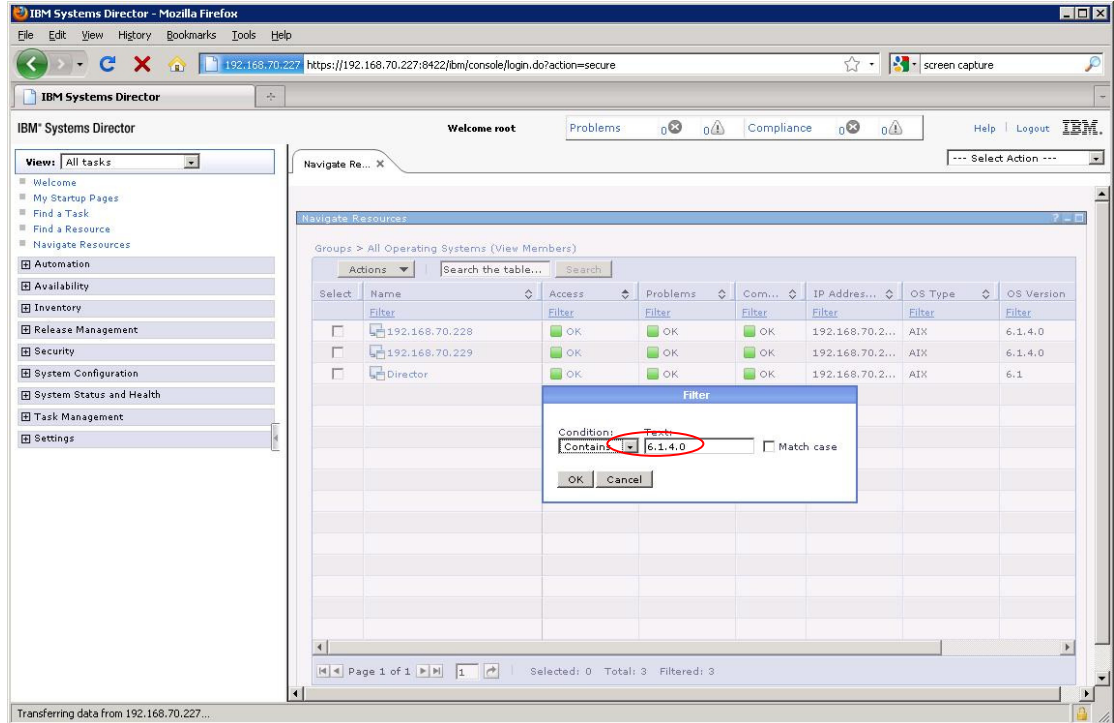3. Highlight and click **Show Filter Row**.

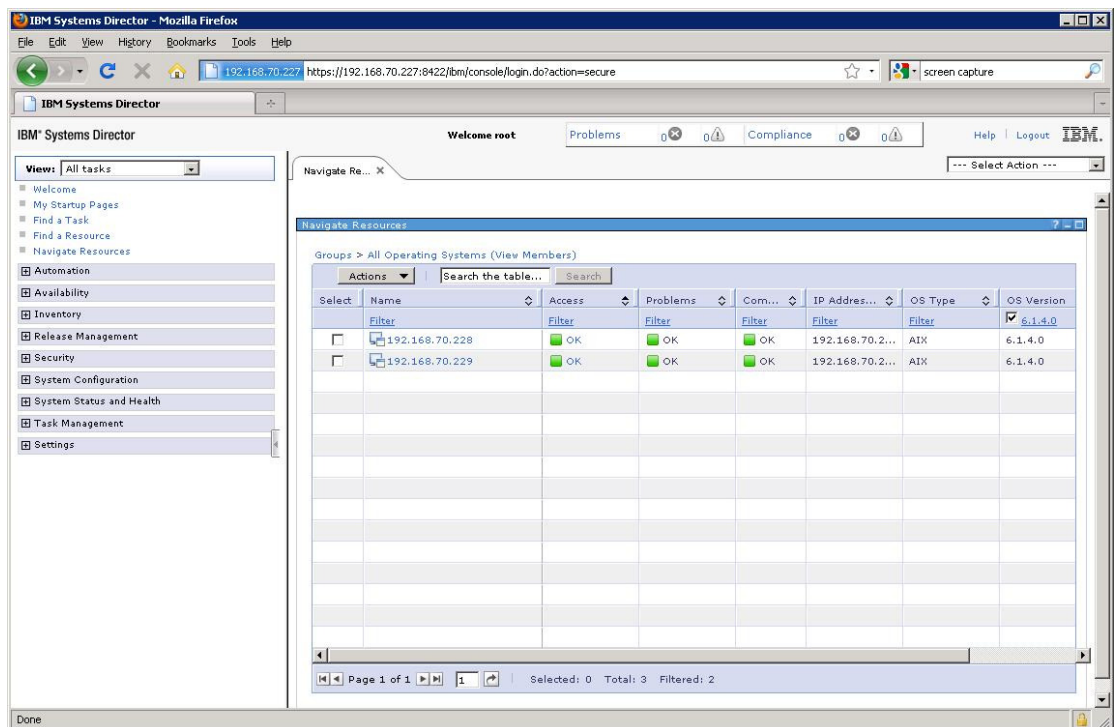4. You now have the filter row. Click on **All Operating Systems**.

5. Click on the filter you are interested in. In this case it is the word **filter** on the far right.
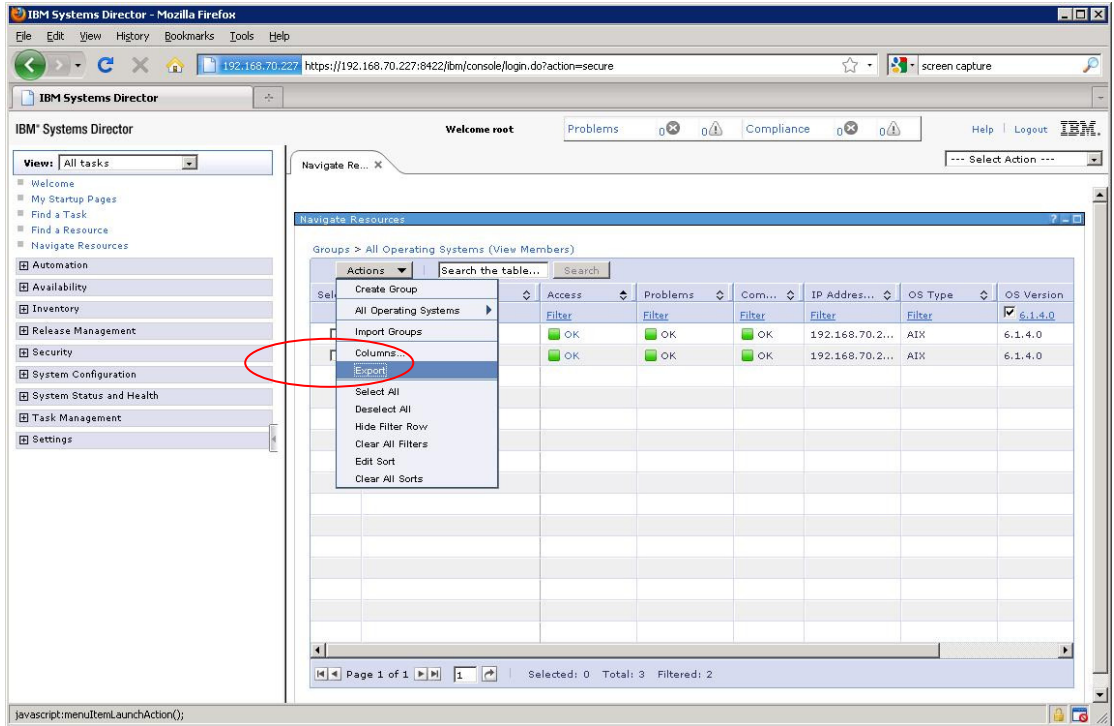
6. A prompt appears asking for what you would like to filter on. Here I
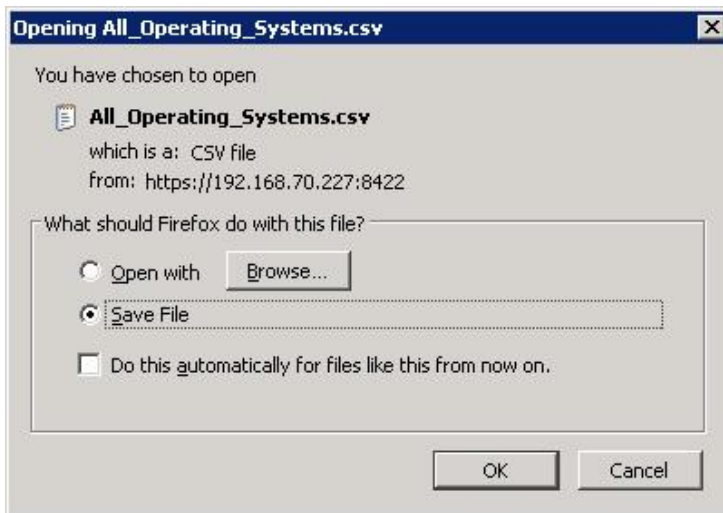   entered **6.1.4.0** as my version of AIX.

7. Press **OK** and you will get the filter result. It now just shows the two
   servers at that specific level.

8. Click **Actions** and highlight **Export**.

9. As you can see here you will be prompted to save the data in csv format.

Command Line

Initially I was asked for an example of the above in the command line.

Note this was an experiment to see what could be done. It illustrates how the information you are after can be extracted from Director using its CLI commands. What it may not do is work for all situations.

The menu system in the script was borrowed from the web and I got some help from the kindly Gareth Coates to get it working as I wanted it.

Anyway the script is:

```ksh
#!/bin/ksh
smcli lsinv -w "OSType=9" | grep m.BuildNumber > file1
print "\nPlease select an OSLevel:"
PS3="Which level would you like a report on?"
select RESPONSE in $(cat file1|awk '\{print$3\}') Exit; do
case $RESPONSE in
"") print "\tInvalid selection ($REPLY), select option by number.\n"
;;
$\{RESPONSE\}) break ;;
esac
done
print "You have selected: $RESPONSE"
smcli lsinv -w "BuildNumber=$RESPONSE" | grep Server.DisplayName
```

The second line queries the inventory for Operating System type 9 which is AIX. It then adds the level to file1.

From the third to penultimate line the shell presents the user with a menu whose items consist of the different levels of AIX that Director manages:

```
Please select an OSLevel:
1) 6100-04-00-0000
2) Exit
Which level would you like a report on?
```

After selecting your choice you then receive a list of machines. At the time of writing this I only had my Management Server:

```
You have selected: 6100-04-00-0000
Server.DisplayName = IBM 799861X 0612AAA
Server.DisplayName = Director
```

The information here comes from the last line which again queries the inventory for all machines with the build 6100-04-00-0000 and then simply displays the machine type, model, serial and hostname.