## Your Question

**Article: 00117**
**Question:**
How to Purge Data for a Custom Filter by Creating the Scheduled Task, Filter Fields, Rules and Actions?

## Net Report Answer

### Introduction

This article explains how to purge data for a custom filter by creating the scheduled task, filter fields, rules and actions. Please follow the tasks below step by step:

Task 1: Creating a Scheduled Task for the Custom Filter.
Task 2: Creating Fields
Task 3: Creating Actions
Task 4: Creating Rules

**Note:** this document assumes that you have already created a filter (please contact support@netreport.fr for help creating your custom filter).

### Task 1: Creating a Scheduled Task for the Custom Filter

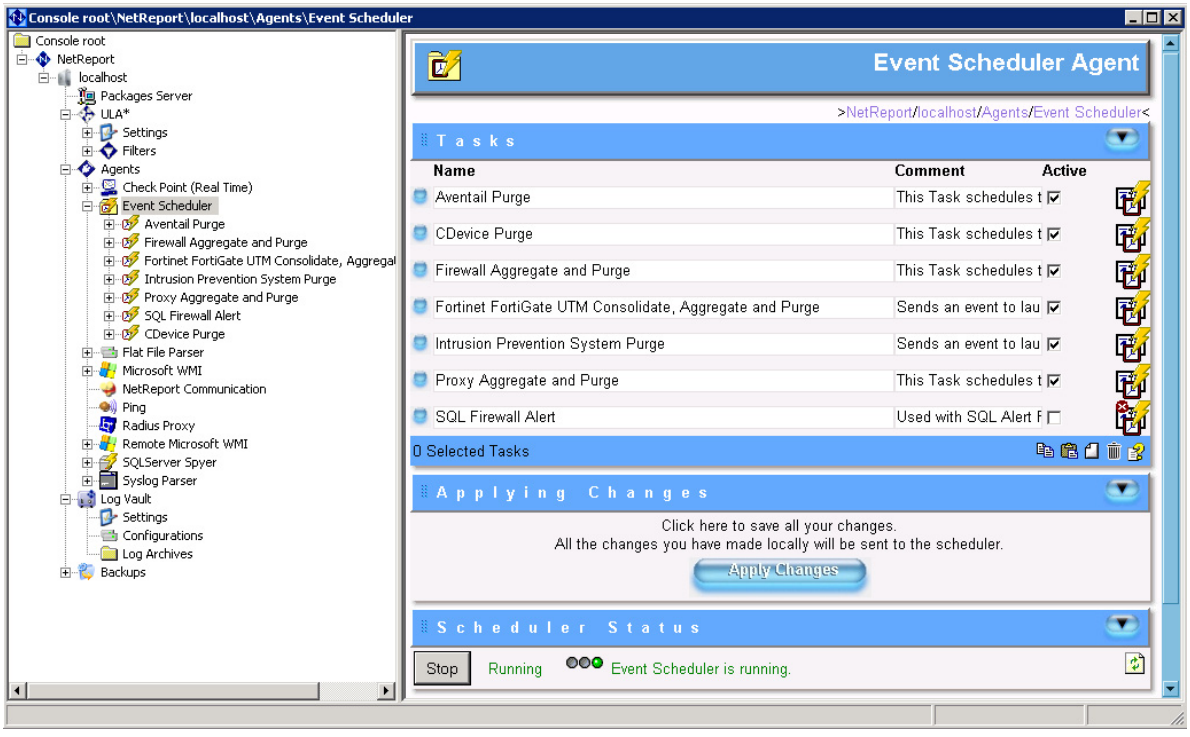
To create a scheduled task for the custom filter, in this document 'MyDevice', please follow the steps below:

#### Steps

1. Launch the Net Report Management Console, **select Start> All Programs> NetReport> Management Console**.

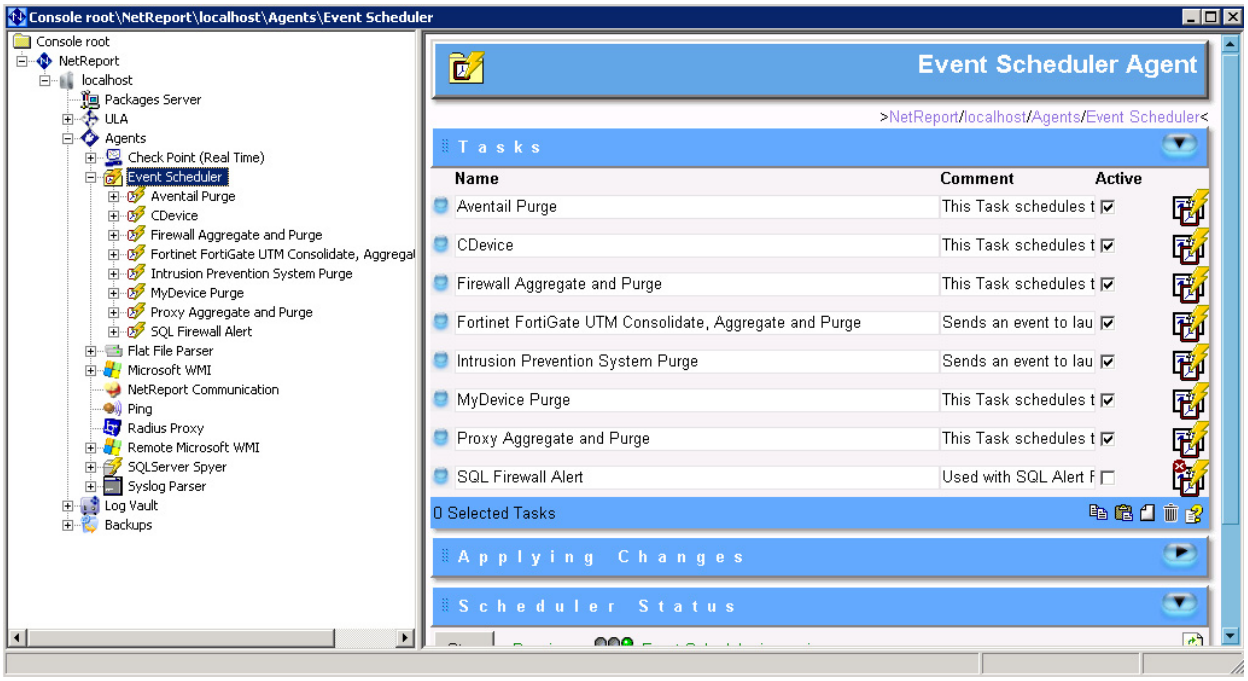
2. Enter your **Login** and **Password** in the **Login** dialog box and click **OK**.

3. Select **NetReport> [localhost]> Agents> Event Scheduler** in the left **Console root** pane.



4. Click **New** in the **Tasks** tool bar to add a new Scheduled Task. The **new task** appears.

5. Rename the Task as appropriate, in this example MyDevice Purge. Add a **Comment** if necessary.

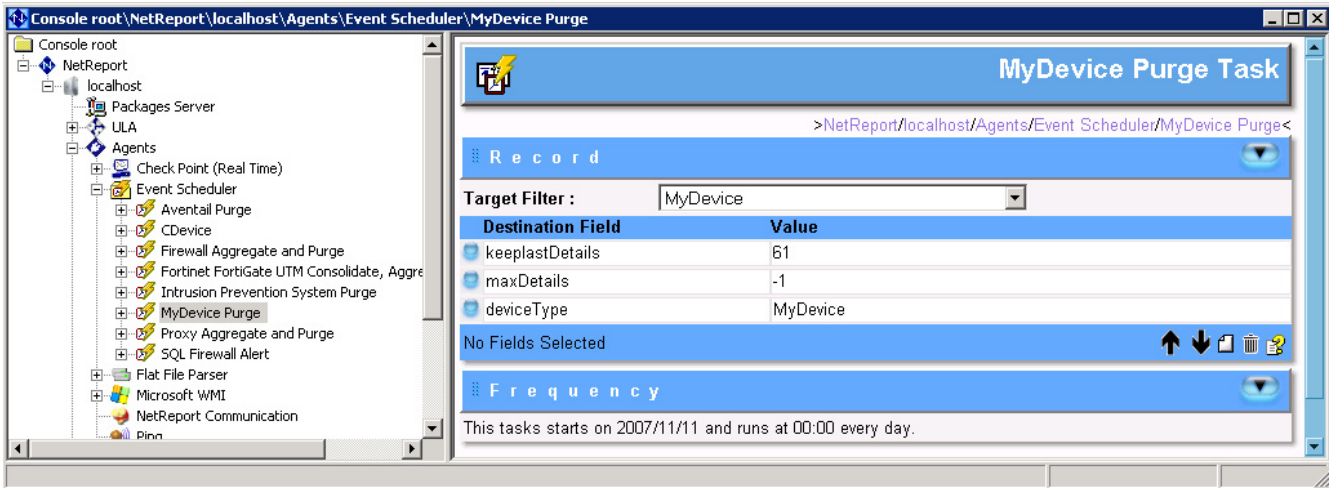



6. Click **Modify Task** to the right of the new Scheduled Task in this example MyDevice Purge. The [**MyDevice Purge] Task** page appears in the right pane.

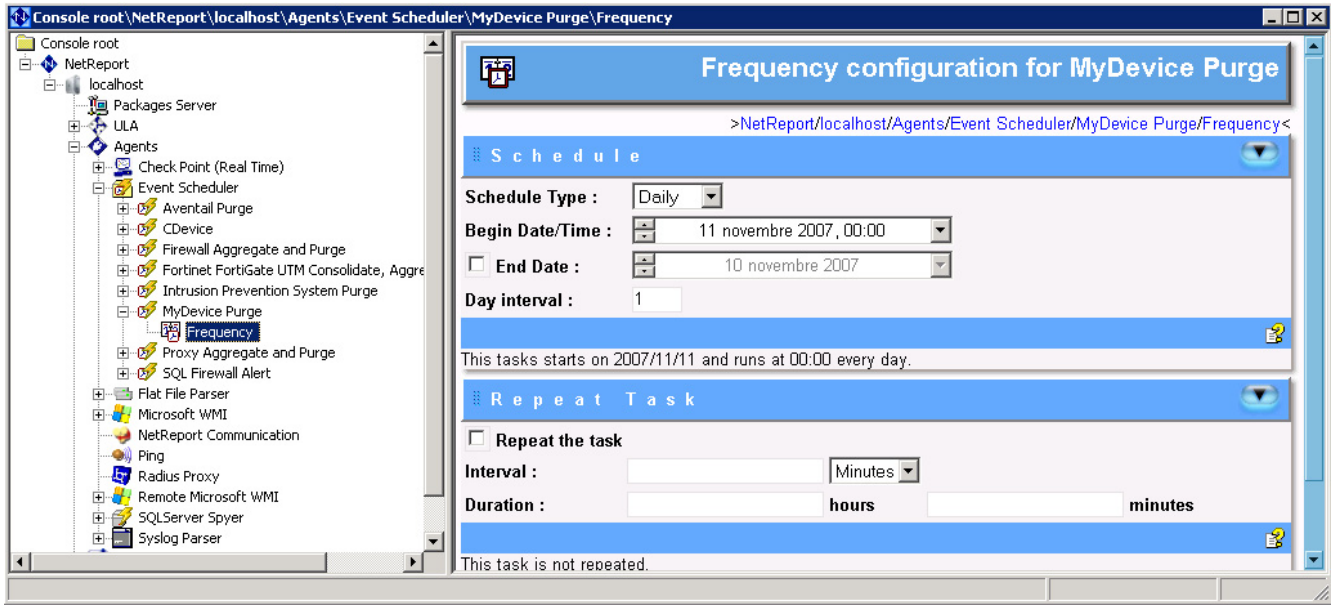
7. Select the [MyDevice] **Target Filter**.

8. Click **New** three times and add the following three **Destination Fields**:

| Destination field | Value |
|---|---|
| keeplastDetails | The number of days of data you wish to keep before its is purged. In this example 61 days. |
| maxDetails | The maximum size of data you want to keep before the data is purged. In this example -1 means that there is no limit. |
| deviceType | The device concerned by the purge task, in this example MyDevice. |

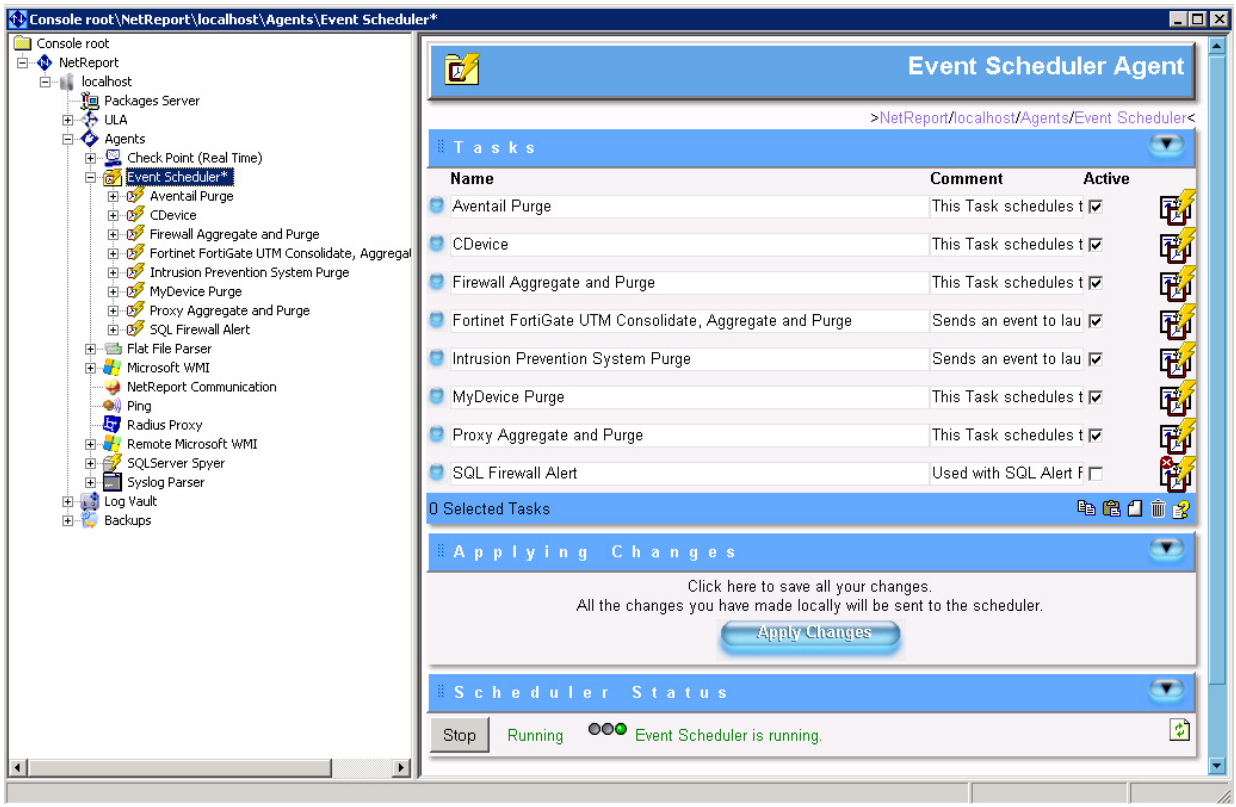


9. Select **Console root> NetReport> [localhost]> Agents> Event Scheduler> [MyDevice Purge]> Frequency** in the left **Console root** pane. The **Frequency configuration for [MyDevice Purge]** page appears in the right pane.




10. Select the frequency with which you wish the scheduled purge task to be performed.

11. Select **Console root> NetReport> [localhost]> Agents> Event Scheduler** in the left **Console root** pane.




12. Click **Apply Changes** to save the changes you have just made. Note the asterisk next to **the Event Scheduler** branch in the left **Console root** pane disappears indicating that your changes have been saved.

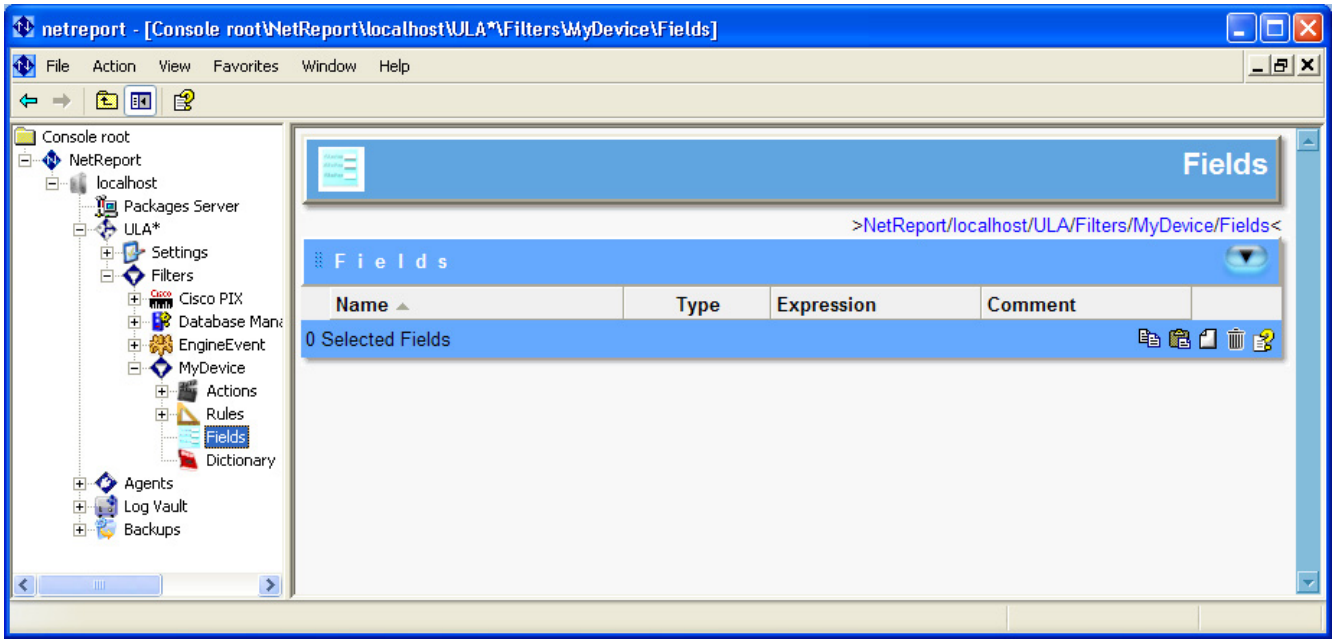
## Task 2: Creating Fields

To add the following fields for the [MyDevice] filter, please follow the steps below:

- Bad_Record
- deviceType
- keeplastDetails
- MaxDetails

### Steps

1. Select **Console root> [localhost]> ULA> Filters> [MyDevice]> Fields** in the left **Console root** pane.




2. Click **New** four times to add four new fields.

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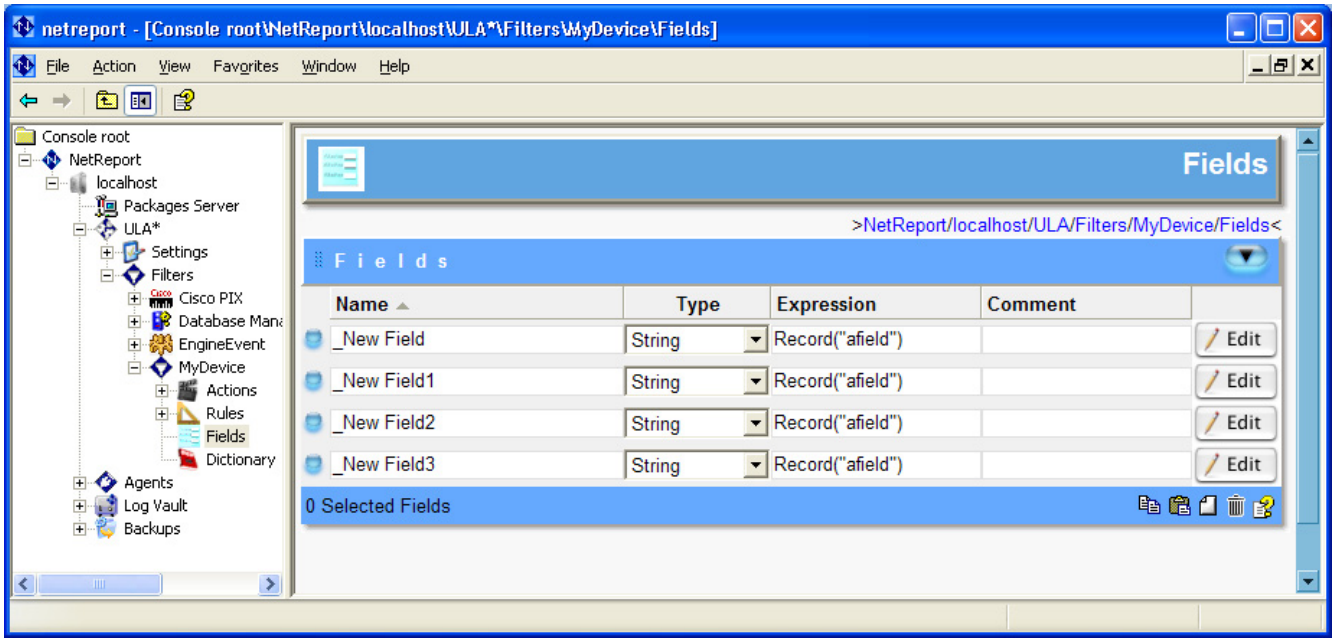
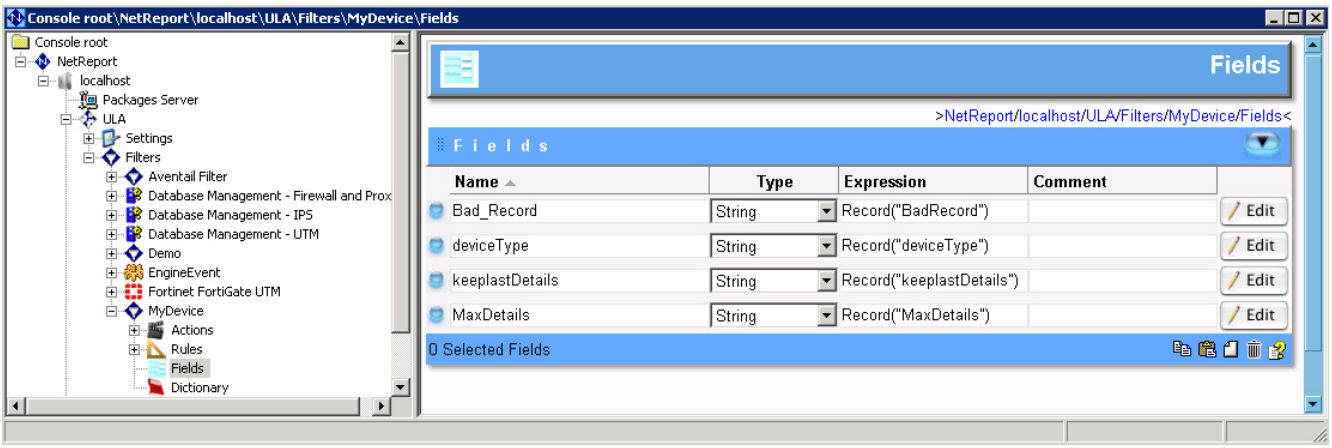


3. Edit the fields as follows:

| Name | Type | Expression |
|---|---|---|
| Bad_Record | String | Record(“BadRecord”) |
| deviceType | String | Record(“deviceType”) |
| keeplastDetails | String | Record(“keeplastDetails”) |
| MaxDetails | String | Record(“MaxDetails”) |



## Task 3: Creating Actions

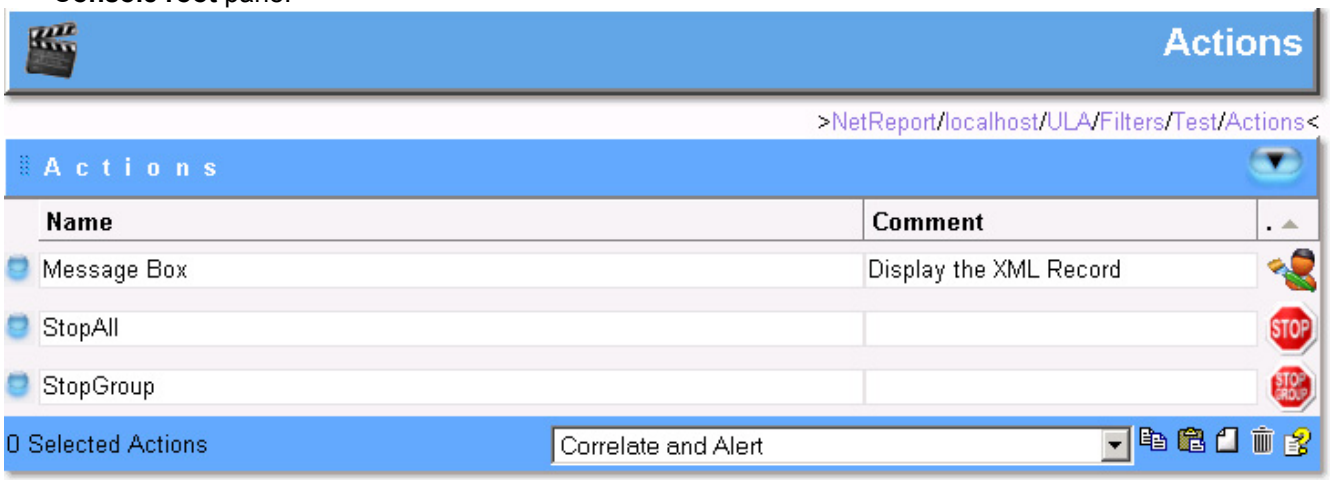
We are now going to add four default actions and then customize them (renaming them and parameterizing them for our specific needs.

| Default Action Name | Rename Default Action to: |
|---|---|
| Stop Group | Do not Perform the Rules Below |
| Execute an SQL Statement | Purge[MyDevice] |
| Write to Winlog | [MyDevice] Purge has started |
| Write to Winlog | [MyDevice] Purge has ended |

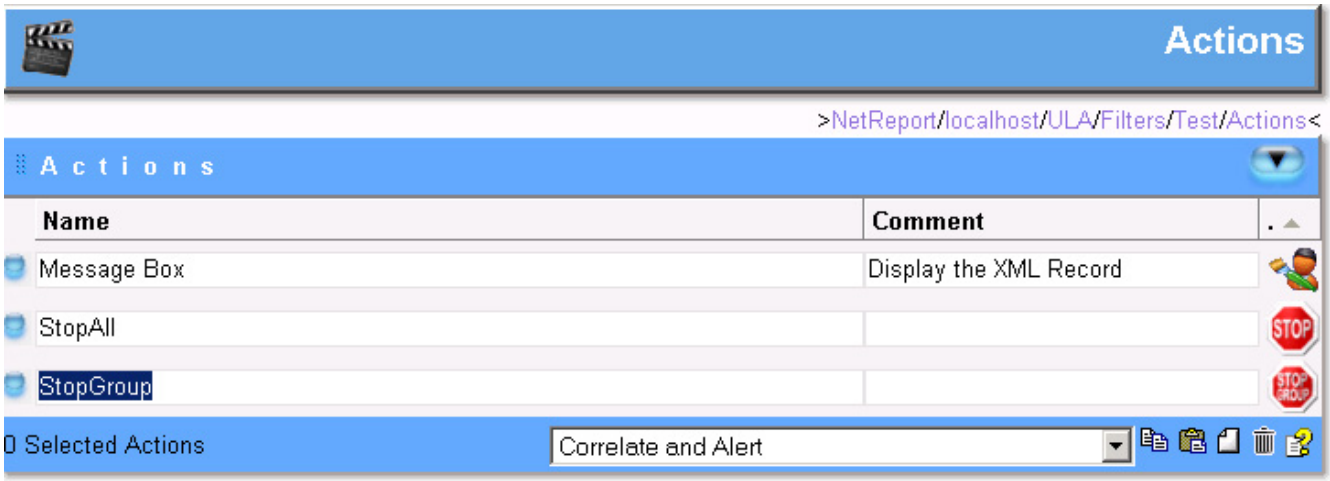
To do so, please follow the steps below:

### Steps

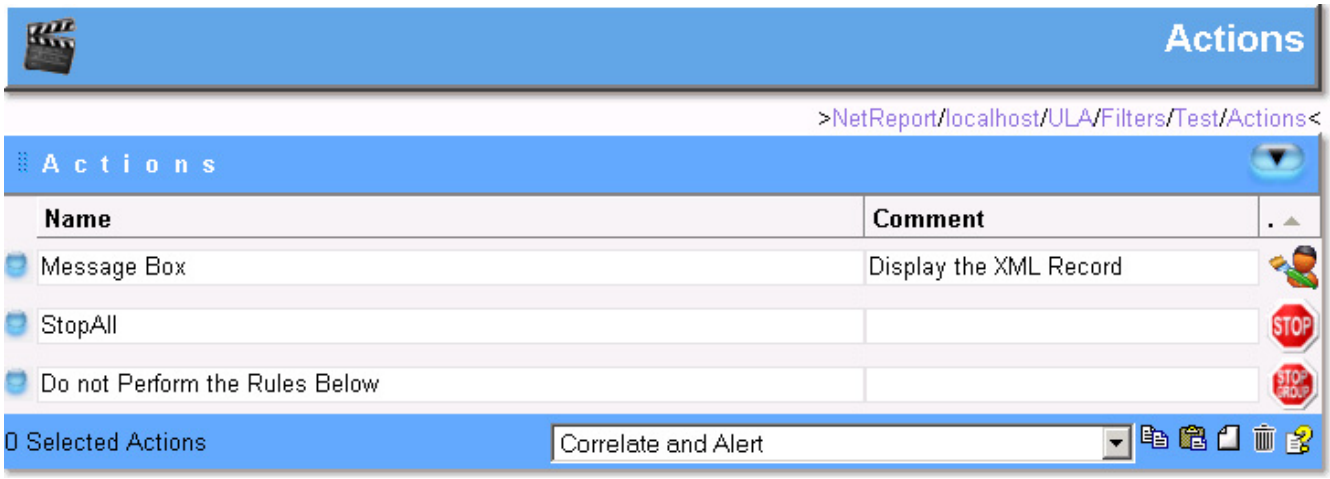
1. Select **Console root> NetReport> [localhost]> ULA> Filters> [MyDevic]e> Actions** in the left **Console root** pane.



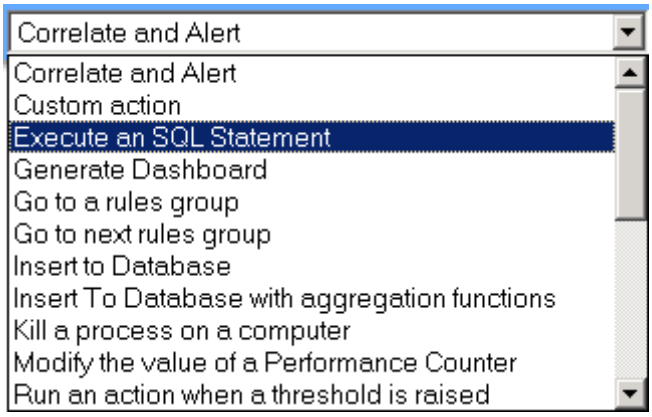

2. Select the **StopGroup** action.



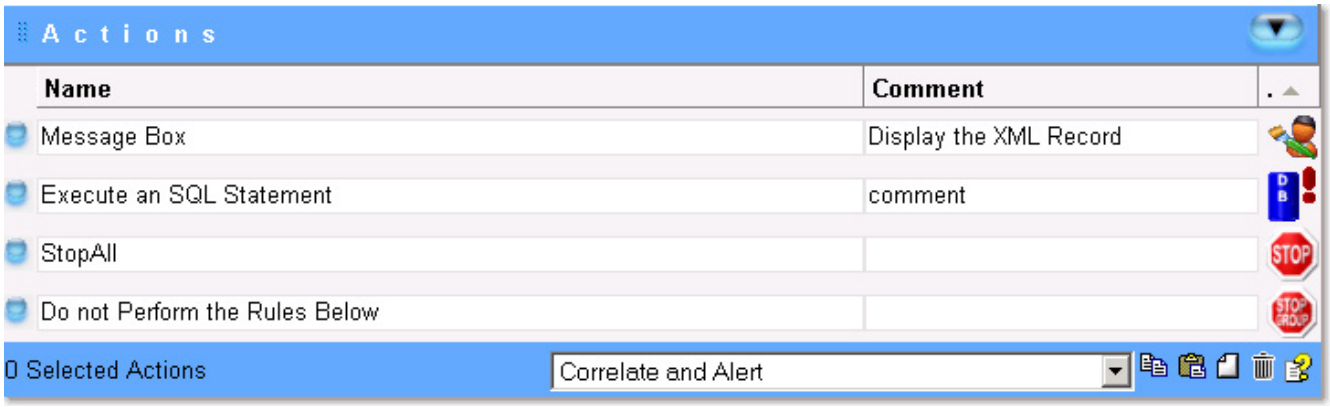
3. Rename **Stop Group** to **Do not Perform the Rules Below**.



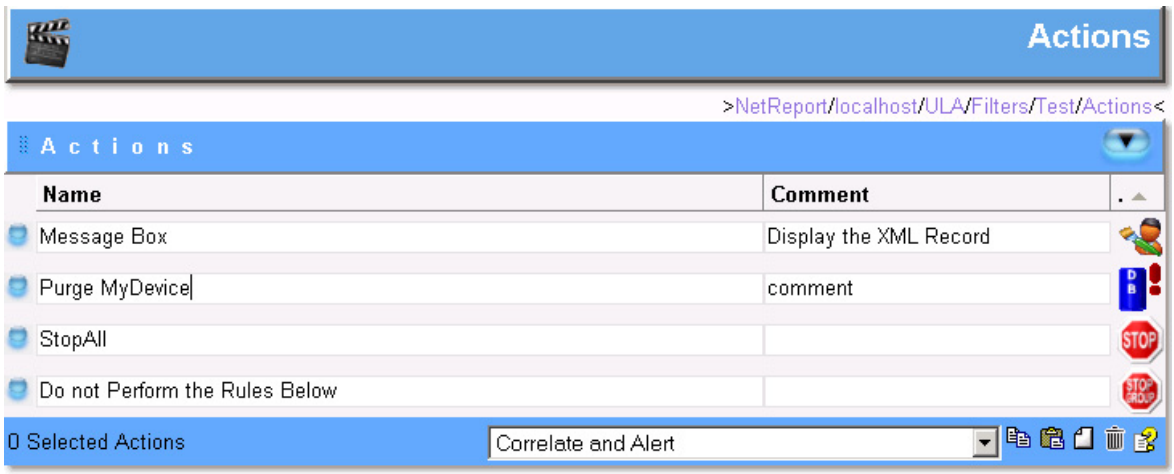

4. Select **Execute an SQL Statement** from the drop-down list.



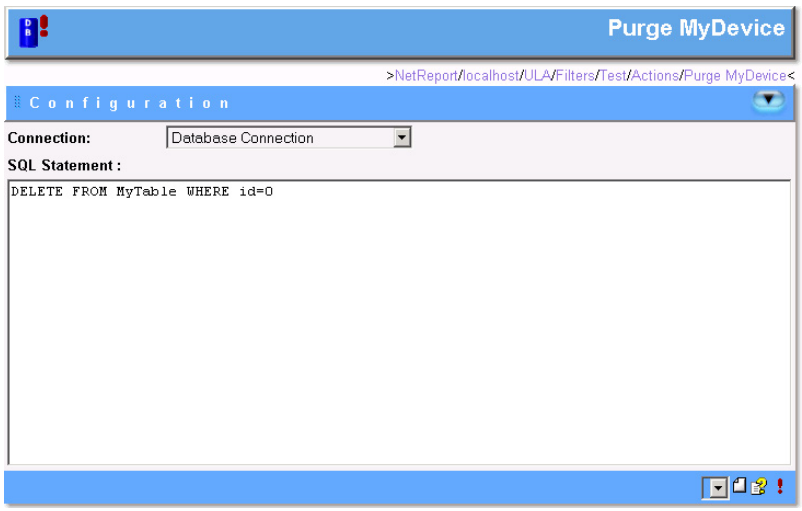

5. Click **New** in the tool bar. The **Execute an SQL Statement** action appears.



6. Rename **Execute an SQL Statement** action to **Purge [MyDevice]**.




7. Click the  **modify action** icon to the right of **Purge MyDevice**. The **Purge [MyDevice]** page appears.

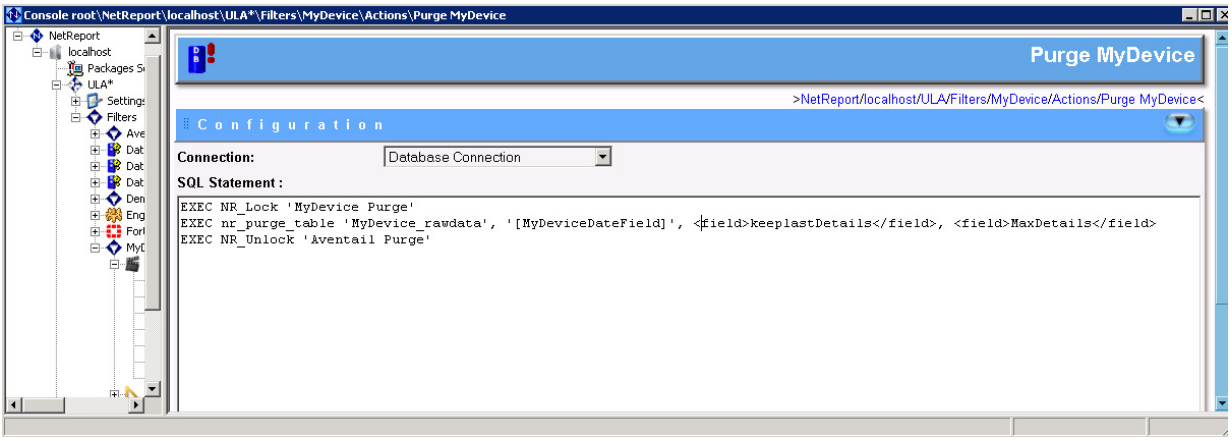



8. Replace the SQL Statement with the following statement:

```
EXEC NR_Lock 'MyDevice Purge'
EXEC nr_purge_table 'MyDevice_rawdata', '[MyDeviceDateFieldName]',
<field>keeplastDetails</field>, <field>MaxDetails</field>
EXEC NR_Unlock 'MyDevice Purge'
```

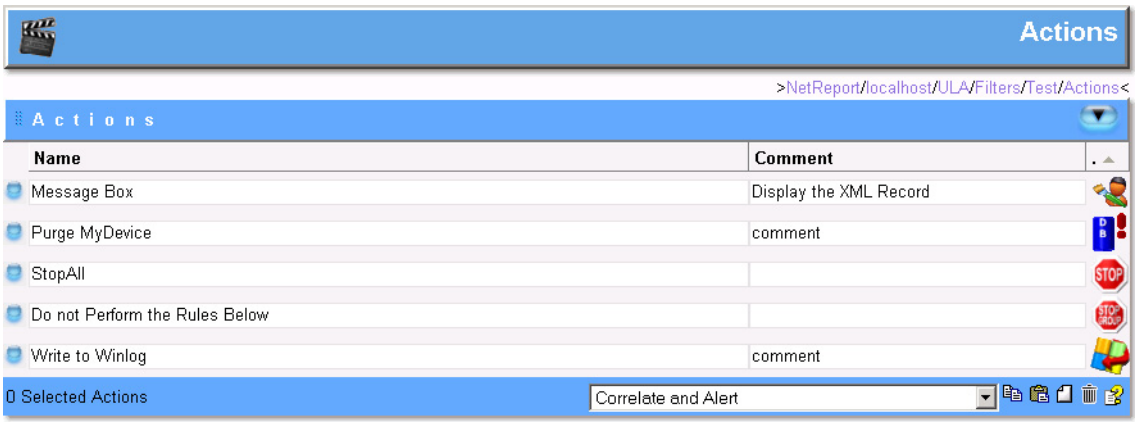
**Note:** 'MyDevice_rawdata' refers to the table containing the raw data for the device in question. Alternatively you could replace 'MyDevice_rawdata' by the name of another data table, as long as it includes a date column in order to purge records according to the value of the keeplastDetails field.

**Note:** [MyDeviceDateFieldName] refers to the name of the date field for the device log data in question, this is the reference date to be used to purge data.

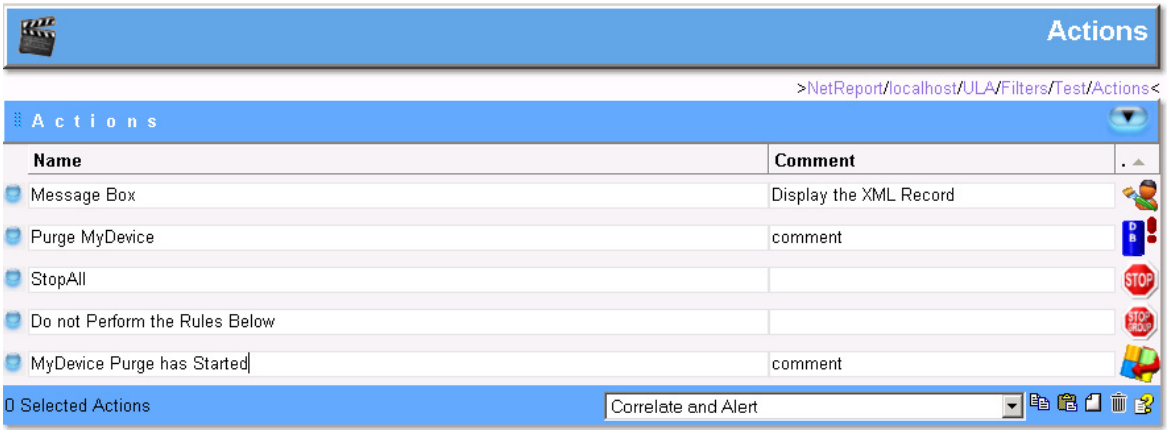



9. Go back to the **Actions** branch.

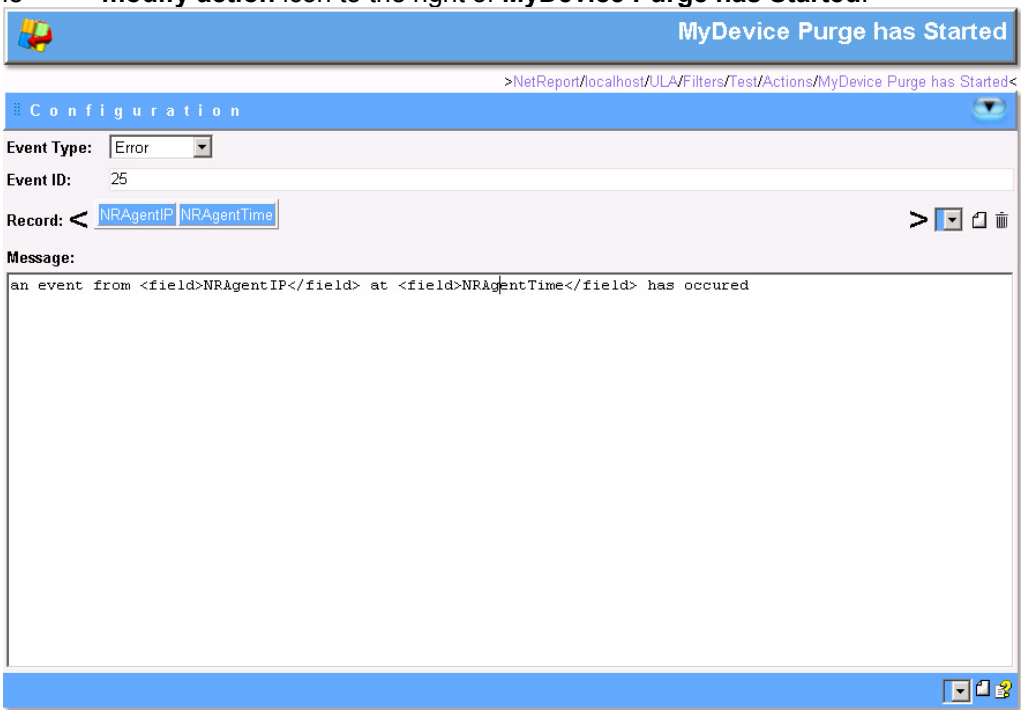
10. Select **Write to Winlog** from the drop-down list.




11. Rename the **Write to Winlog** action as follows: **[MyDevice] Purge has Started**.



12. Click the  **modify action** icon to the right of **MyDevice Purge has Started**.

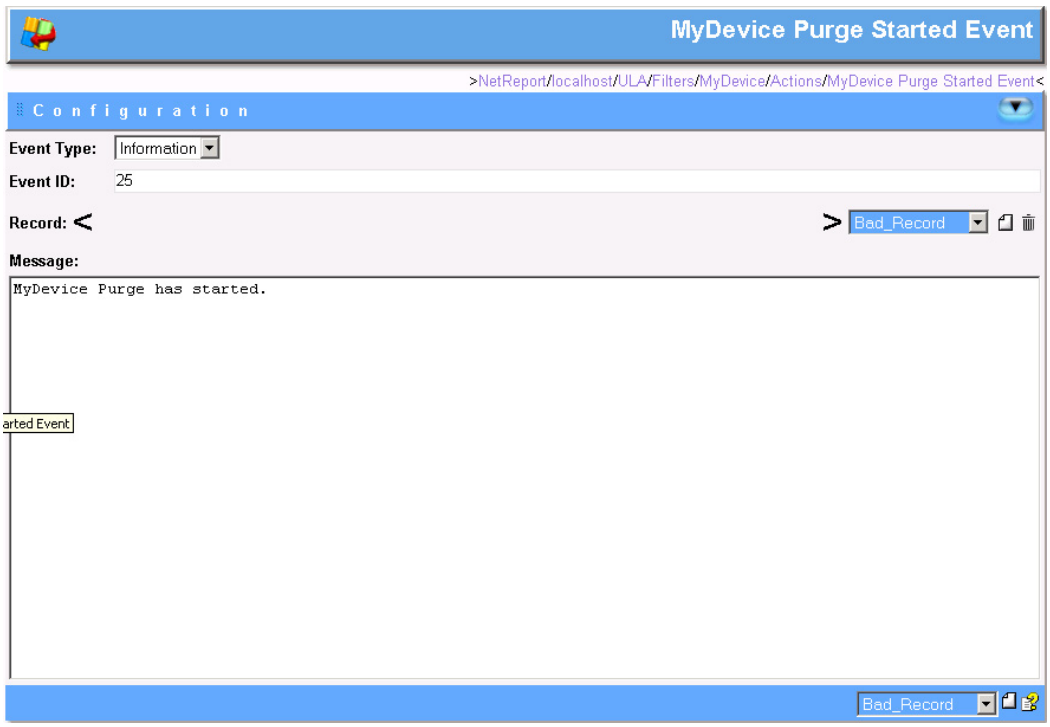



13. Select the **Information** Event Type.

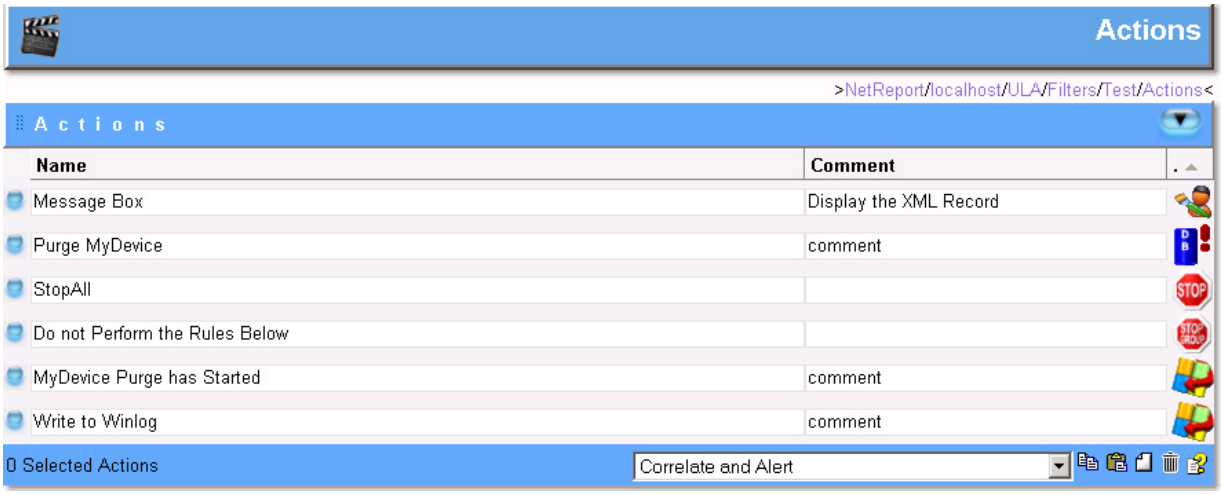
14. Select the **NRAgent** and **NRAgentTime** records and click **Delete** to remove them.

15. Enter the following message:

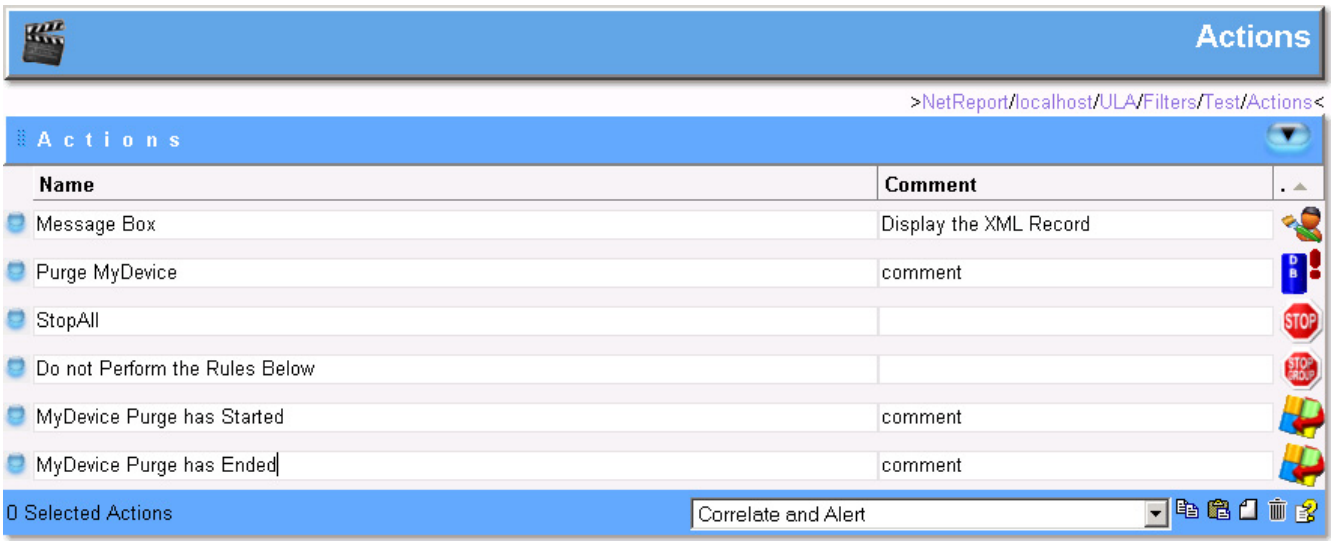
    [MyDevice] Purge has Started.



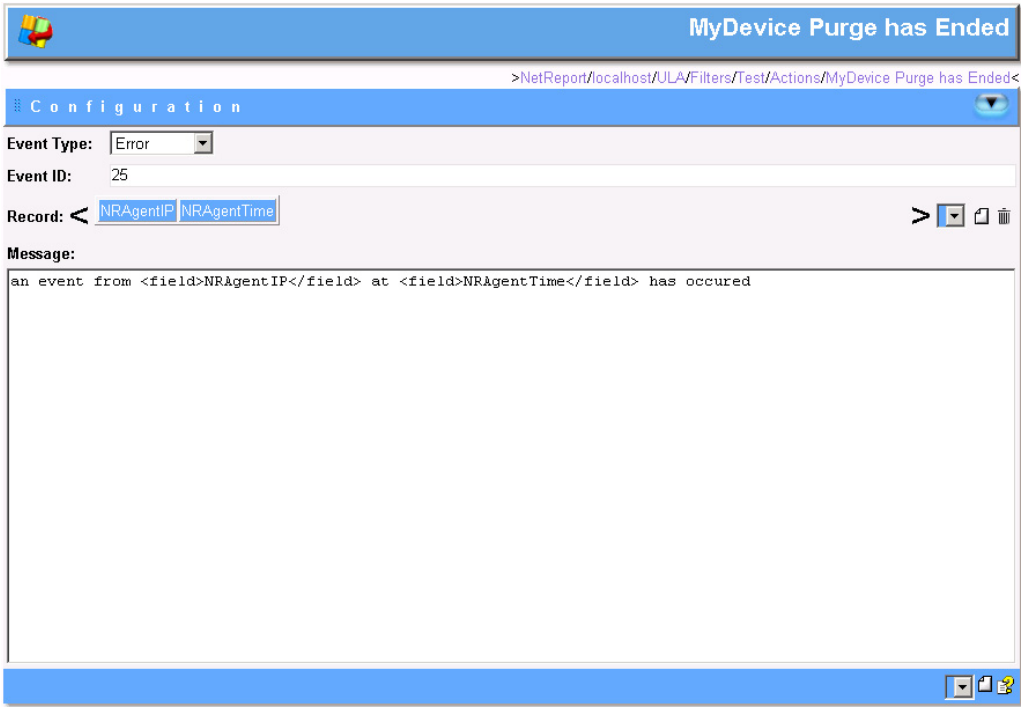
16. Select **Write to Winlog** from the drop-down list.




17. Rename the **Write to Winlog** action as follows: **[MyDevice] Purge has Ended**.



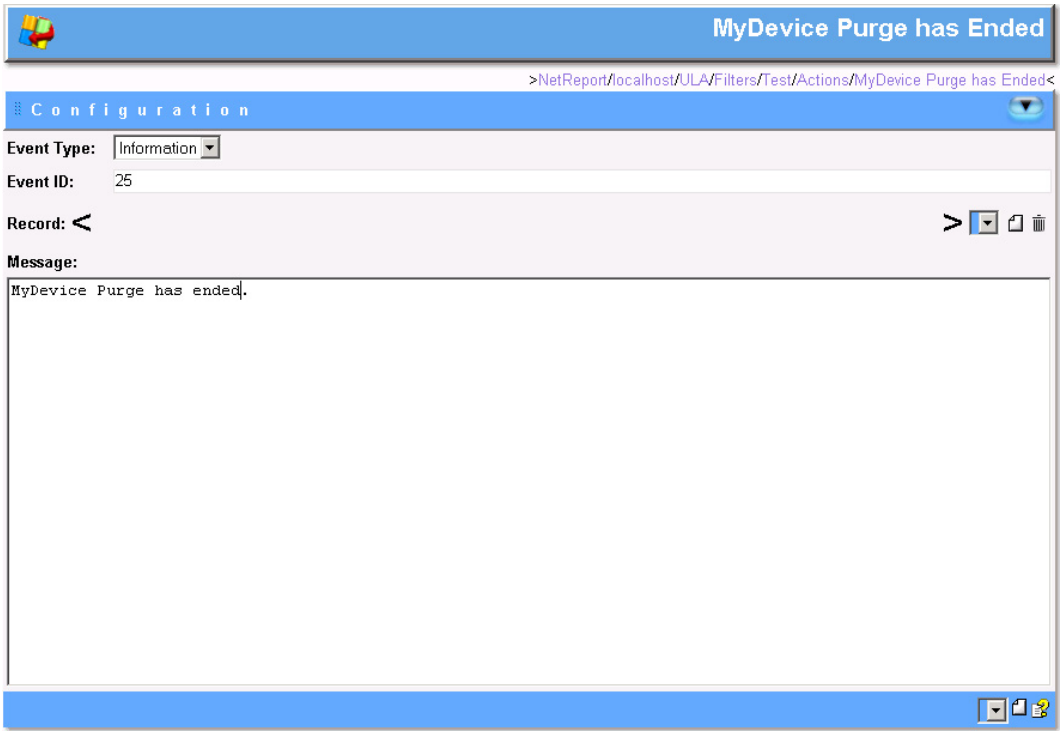
18. Click the  **modify action** icon to the right of **MyDevice Purge has Ended**.




19. Select the **Information** Event Type.

20. Select the **NRAgent** and **NRAgentTime** records and click  **Delete** to remove them.

21. Enter the following message: [MyDevice] Purge has Ended

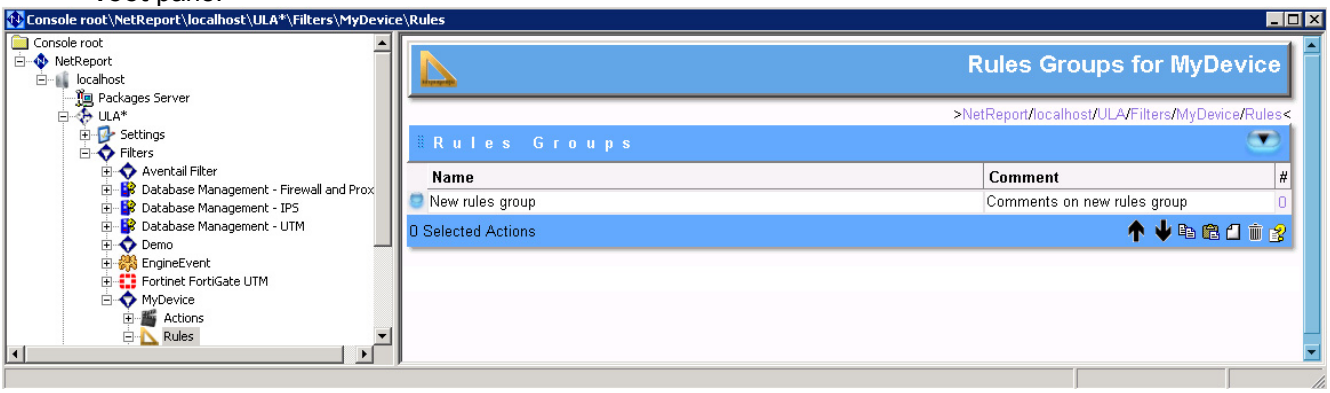


## Task 4: Creating Rules

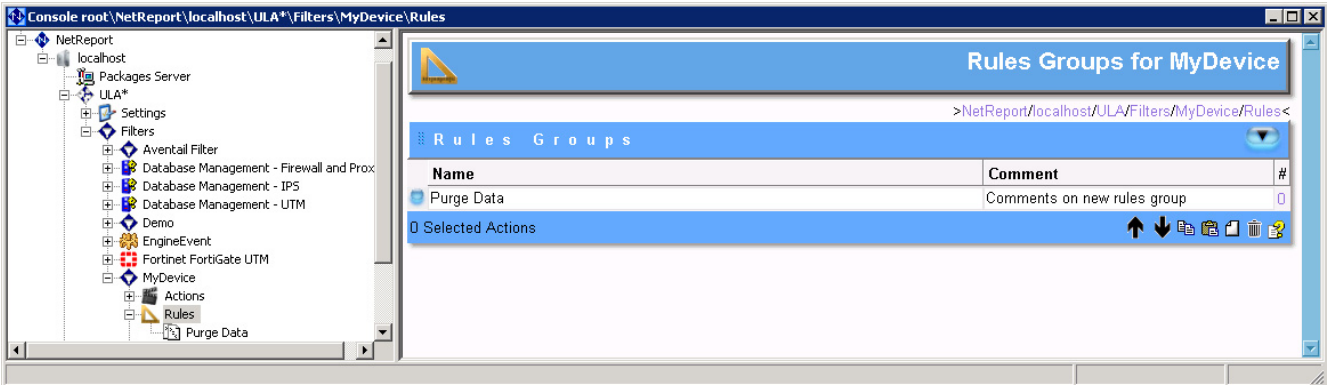
We are now going to add the following rules

### Steps

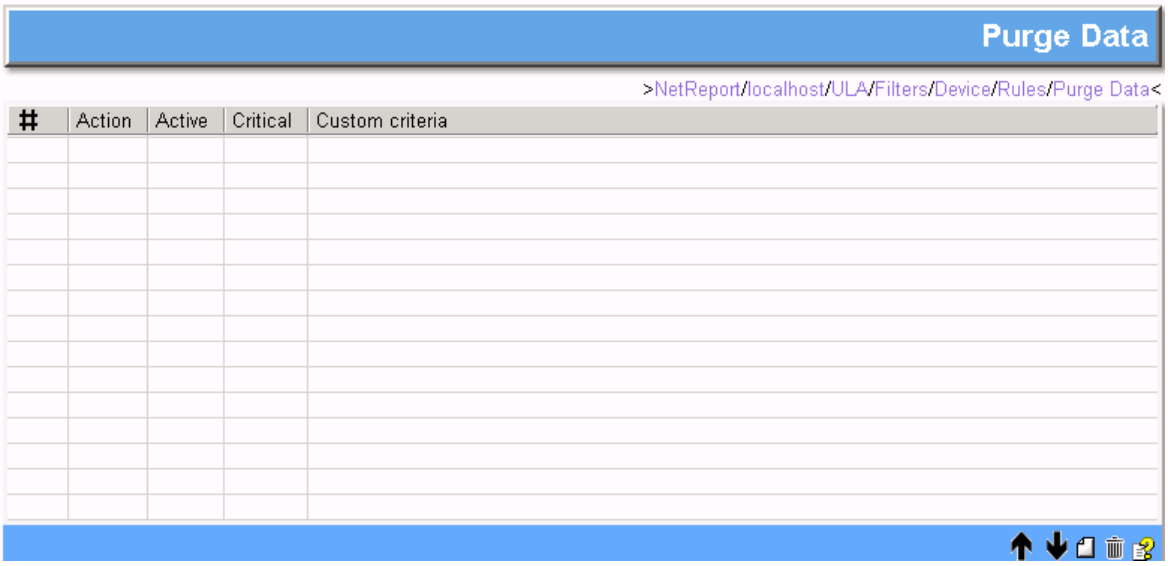
1. Select **Console root> NetReport> [localhost]> ULA> Filters> [MyDevice]> Rules** in the left **Console root** pane.



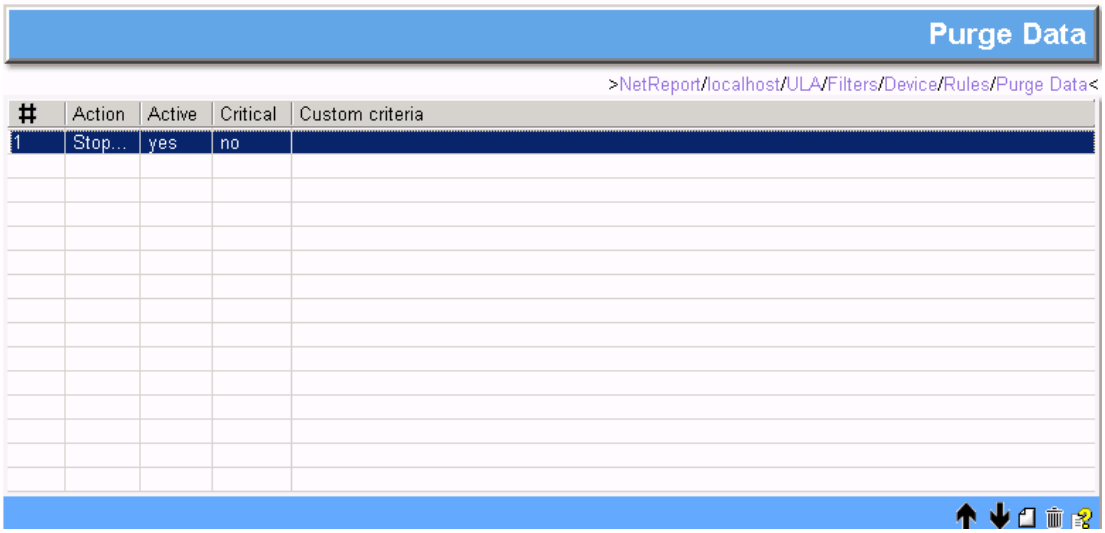

2. Rename the **New rules group** to **Purge Data**.



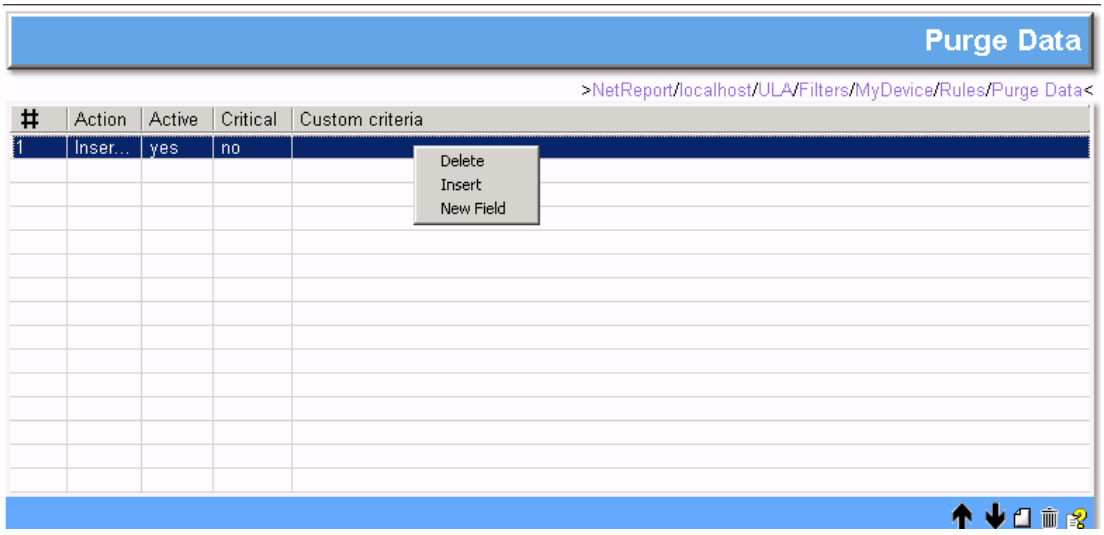

3. Select the **Purge Data** node of the **Rules** branch in the left **Console root** pane.



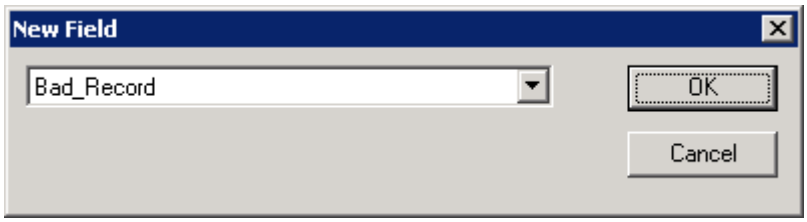
4. Click **New** to add a new rule.



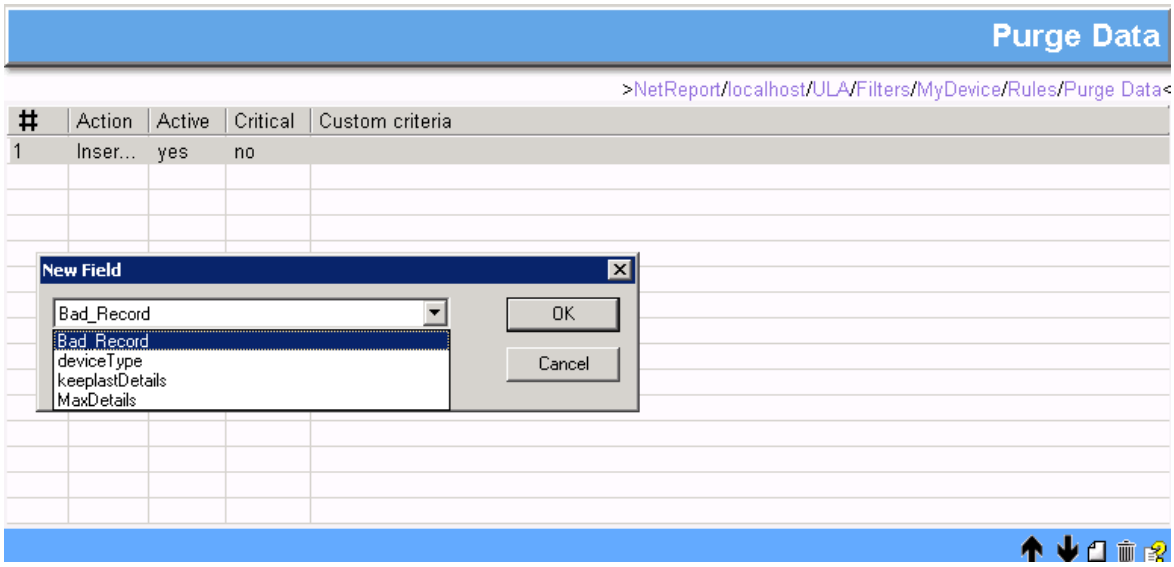

5. Right-click on the new rule. The context menu appears.




6. Click **New Field**, the **New Field** dialog box appears.

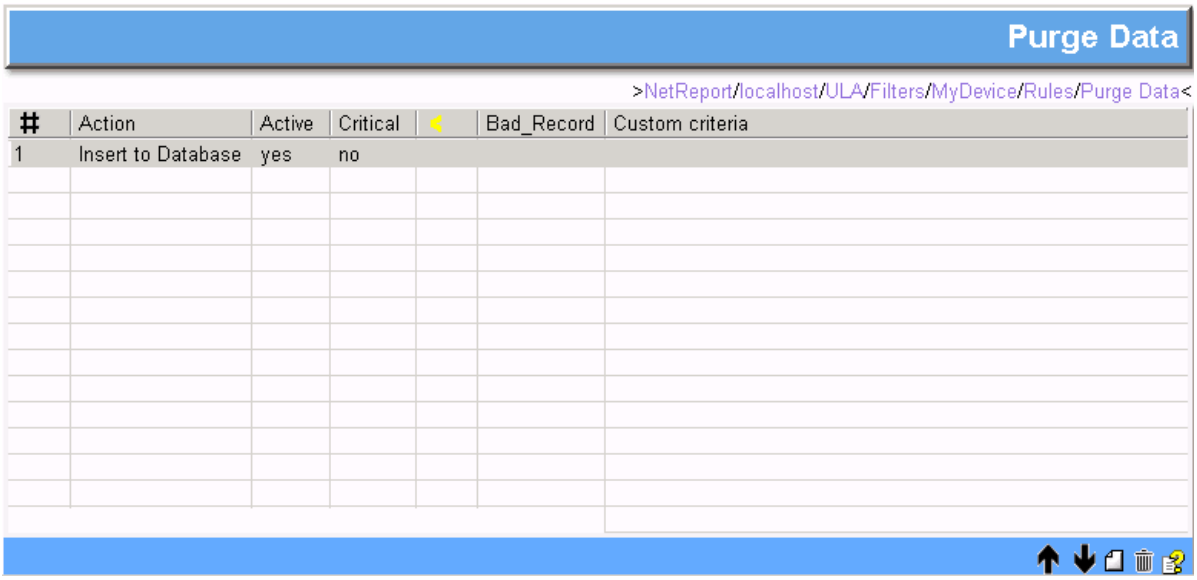


7. Select Bad_Record from the drop-down list.



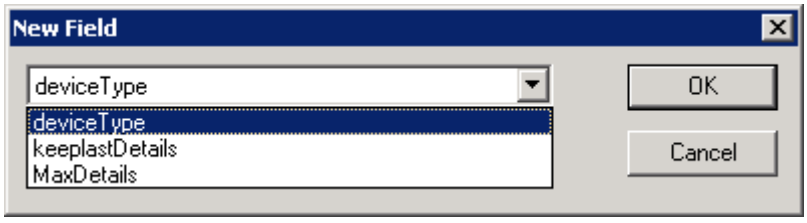

8. Click **OK**.

9. Note the Bad_Record column is added to the Purge Data table.



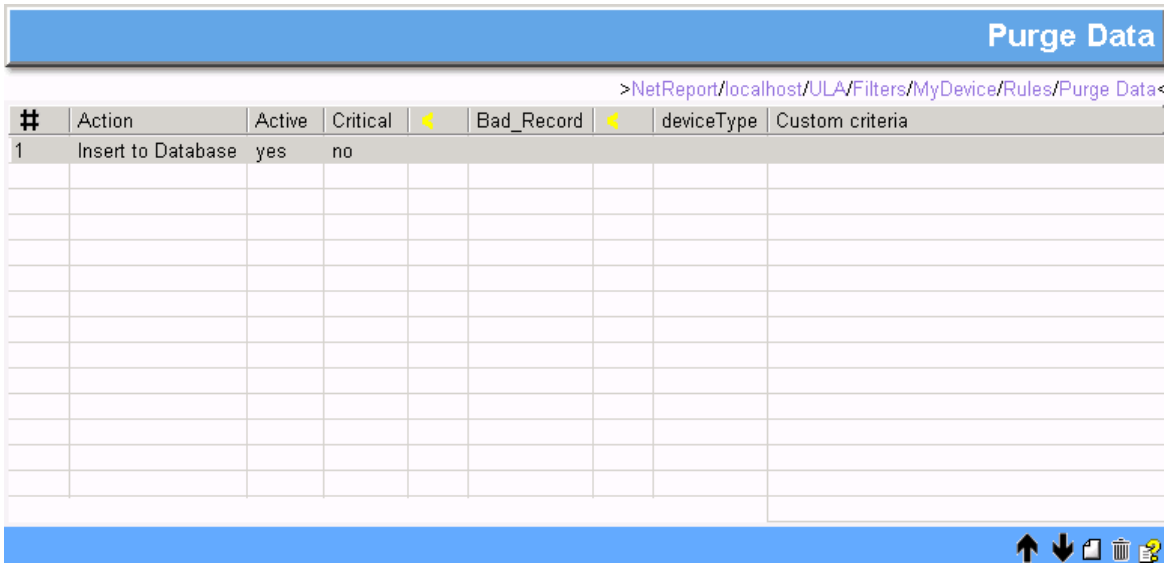

10. Right-click again on the new rule. The context menu appears.

11. Select deviceType from the drop-down list.



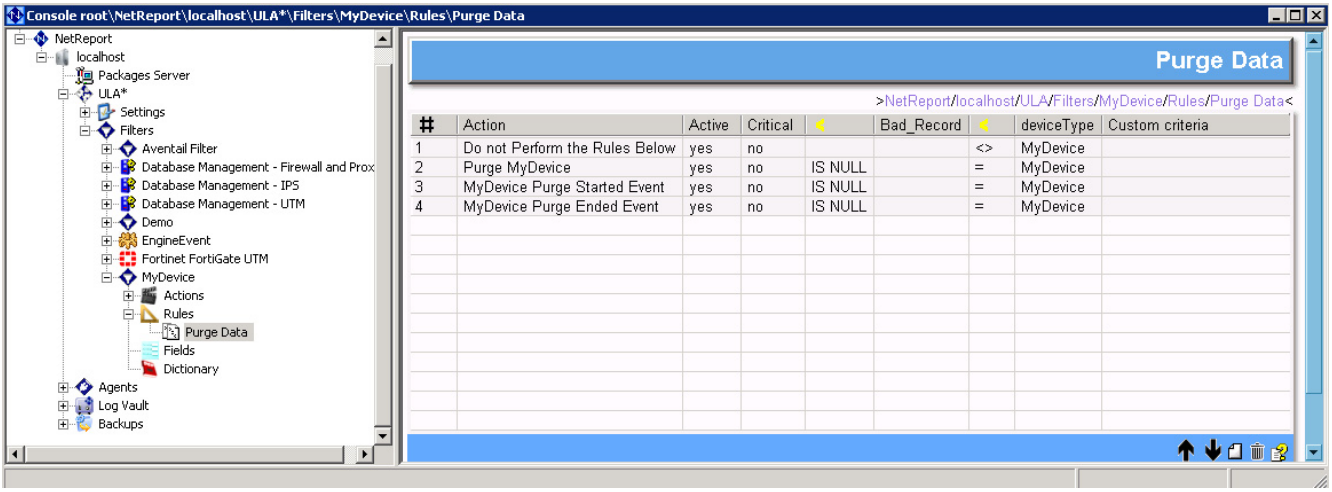

12. Click **OK**.

13. Note the deviceType column is added to the Purge Data table.

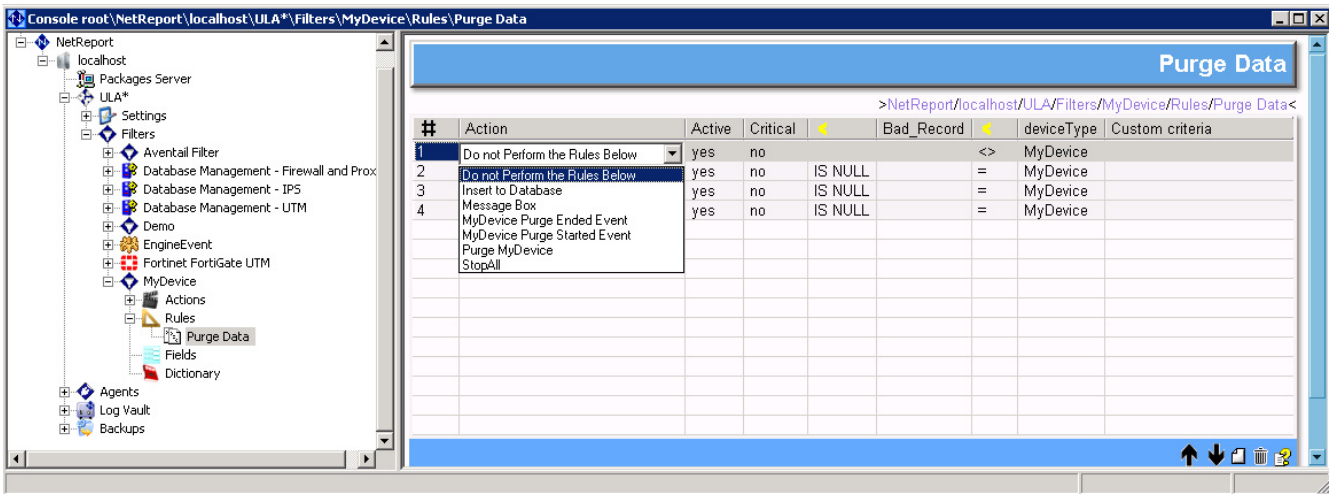



14. We are now going to edit the rule we added and add the following four rules with the following values:

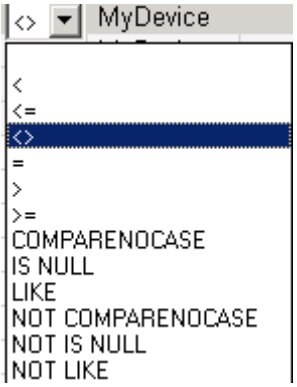
| # | Action | Active | Critical | < | Bad_Record | < | deviceType |
|---|---|---|---|---|---|---|---|
| 1 | Do not Perform the Rules Below | yes | no | | | <> | MyDevice |
| 2 | Purge MyDevice | yes | no | IS NULL | | = | MyDevice |
| 3 | MyDevice Purge has Started Event | yes | no | IS NULL | | = | MyDevice |
| 4 | MyDevice Purge has Ended Event | yes | no | IS NULL | | = | MyDevice |



15. To select an action, double-click the cell in question in the **Action** column and select the action from the drop-down list.




16. To specify the rule's field value double-click the cell in question and select the value from the drop-down list.




17. To apply the changes you have made once you have added all the rules, select **Console root> NetReport> [localhost]> ULA**.

18. Click **Apply Changes**.