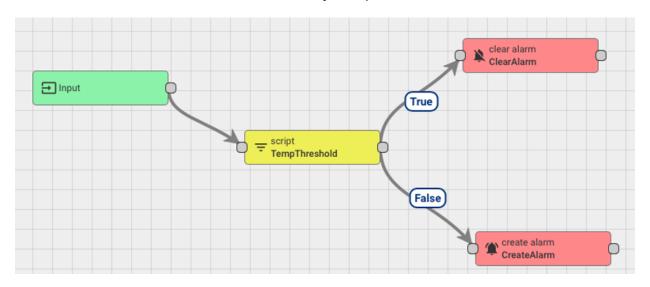
Navigate to Firebase. In the module24Project Realtime database, create a new field titled alarms and initialize the corresponding field to zero.
 Provide a screenshot to show that you created the alarm field inside your Realtime database and initialized it to zero.

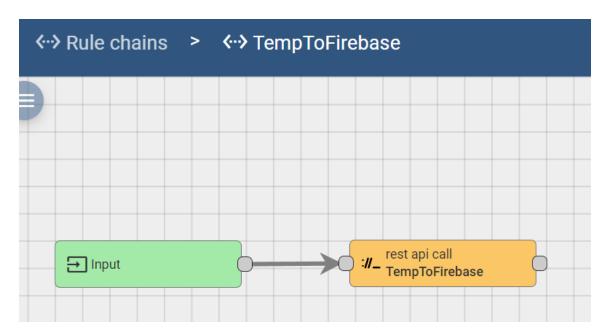


2. Navigate to the ThingsBoard home page. Create a new rule chain titled "CreateAndClear*Alarms*" by following the steps shown in Mini-Lesson 24.5. Provide a screenshot to show that you created the CreateAndClear*Alarms* rule chain with all of the necessary components.



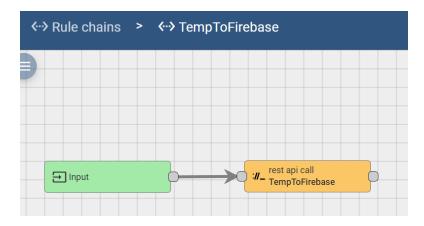
3. Create another rule chain and name it "TempToFirebase".

Provide a screenshot to show that you created the TempToFirebase rule chain with all of the necessary components.



4. Open the TempToFirebase rule chain. Add a "rest API call" node and name it "TempToFirebase". Replace the default link with the following link: https://module24project-default-rtdb.firebaseio.com/temperature.json Select "Add" to add the TempToFirebase node to your Rule Engine. Connect the Input and TempToFirebase nodes. Provide two screenshots. The first screenshot should show that you added the TempToFirebase node to your Rule Engine correctly. The second screenshot should show that you connected the Input and TempToFirebase nodes.



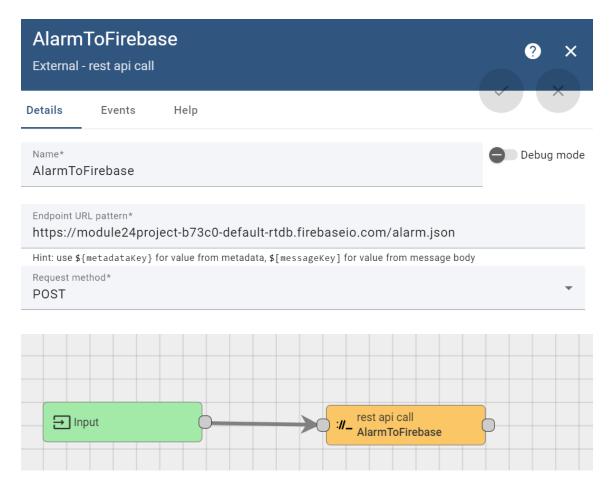


5. Create another rule chain and name it "*Alarm*ToFirebase". Provide a screenshot to show that you created the *Alarm*ToFirebase rule chain with all of the necessary components.



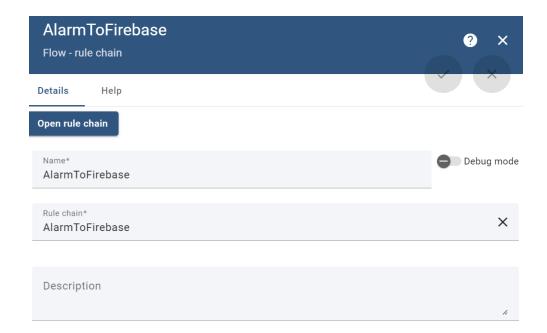
6. Open the *Alarm*ToFirebase rule chain. Add a "rest API call" *node* and name it "*Alarm*ToFirebase". Replace the default link with the following link: https://module24project-default-rtdb.firebaseio.com/alarm.json Select "Add" to add the *Alarm*ToFirebase *node* to your Rule Engine. Connect the Input and *Alarm*ToFirebase *nodes*.

Provide two screenshots. The first screenshot should show that you added the *Alarm*ToFirebase *node* to your Rule Engine correctly. The second screenshot should show that you connected the Input and *Alarm*ToFirebase *nodes*.



7. Open the CreateAndClearAlarms rule chain that you created in Step 2. Add a "rule chain" node. Title this node "AlarmToFirebase" and select AlarmToFirebase as the rule chain. Select "Add" to add the AlarmToFirebase node to your Rule Engine.

Provide a screenshot to show that you added the *Alarm*ToFirebase *node* to your Rule Engine correctly.

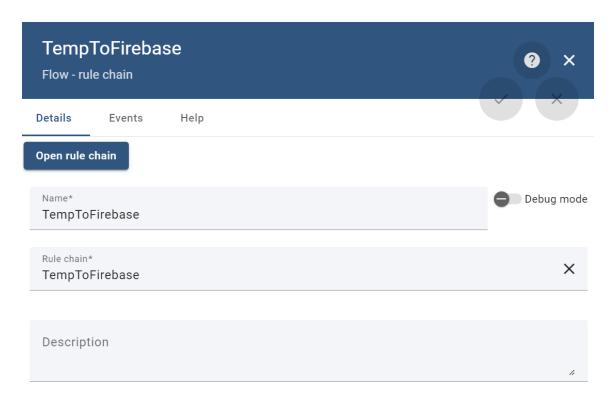


8. Connect the Create *Alarm* and *Alarm* To Firebase *nodes*. Add "Created" as the link label.

Provide a screenshot to show that you connected the Create *Alarm* and *Alarm* To Firebase *nodes* with a Created link label.

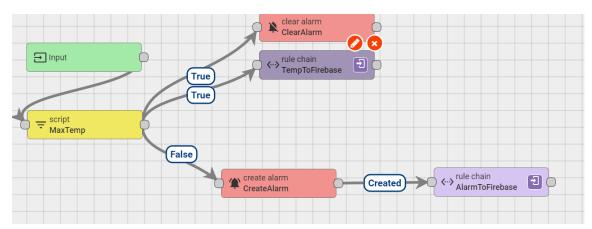


9. Add another "rule chain" node to the CreateAndClearAlarms rule chain. Title this node "TempToFirebase" and select TempToFirebase as the rule chain. Select "Add" to add the TempToFirebase node to your Rule Engine. Provide a screenshot to show that you added the TempToFirebase node to your Rule Engine correctly.

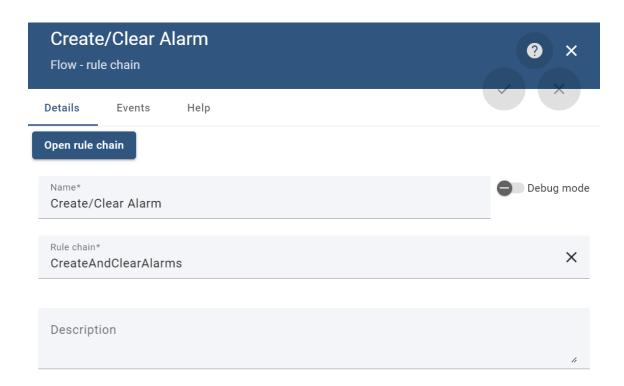


10. Connect the MaxTemp and TempToFirebase *nodes*. Add "True" as the link label.

Provide a screenshot to show that you connected the MaxTemp and *Alarm*ToFirebase *nodes* with a True link label.

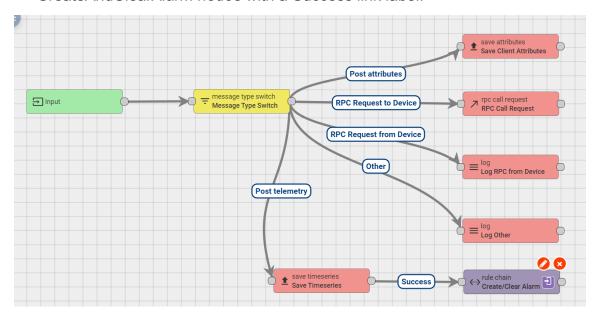


11. Open the Root Rule Chain in ThingsBoard. Add a "rule chain" *node*. Name it "CreateAndClear*Alarm*" and select CreateAndClear*Alarm* as the rule chain. Select "Add" to add the CreateAndClear*Alarm node* to your Rule Engine. Provide a screenshot to show that you added the CreateAndClear*Alarm node* to your Rule Engine correctly.



12. Connect the SaveTimeseries and CreateAndClear*Alarm nodes*. Add "Success" as the link label.

Provide a screenshot to show that you connected the SaveTimeseries and CreateAndClear*Alarm nodes* with a Success link label.



13. Navigate to Firebase and open the alarm and temperature fields.

Provide two screenshots. The first screenshot should show that the alarm field is being populated with the live *streaming* data from the CreateAndClearAlarm rule chain. The second screenshot should show that

the temperature field is being populated with temperature and humidity data.

