**Automated Bug Tracker Email Notification - VBA Script Documentation**

**Introduction**

The "Automated Bug Tracker Email Notification" VBA script is designed to automatically send email notifications with an embedded chart image when a specific table within an Excel worksheet is updated. The script monitors changes in the specified table and generates an email containing a 2-week bug tracker chart, notifying recipients of the latest bug statistics.

**Functionality**

1. **Worksheet\_Change Event**
   * **Worksheet\_Change(ByVal Target As Range)**
     + This event is triggered whenever a change occurs within the worksheet.
     + The script is designed to respond to changes within the specified table ("Table1").
2. **SetLegendLabels Function**
   * **Sub SetLegendLabels()**

* This function sets custom legend labels for the chart series ("Blocker/Critical" and "Major/Normal").
* The active chart's series collection is accessed, and names are assigned to individual series.

**Steps**

1. **Chart Sheet and Object References**
   * The script first tries to set references to the chart sheet ("Test1") and the chart object ("Chart 1") within that sheet.
   * If references cannot be set, the script displays relevant error messages and exits.
2. **Legend Labels Configuration**
   * The function "SetLegendLabels" is called to set custom legend labels for the chart series.
3. **Chart Export**
   * The chart is saved as an image (PNG format) to a temporary file location.
   * The temporary chart image file name is stored for later attachment to the email.
4. **Table Range and Updated Range**
   * The script sets a reference to the data body range of the specified table ("Table1").
   * It then checks if the changed cells are within the table's data body range.
5. **Email Composition and Sending**
   * If updatedRange is not null (i.e., changes occurred within the monitored table), the script proceeds to compose and send an email.
   * The script creates an Outlook Application object and a new mail item.
   * The email subject, recipient's address, and email body are defined.
   * The chart image is attached to the email.
   * The chart image is embedded within the HTML body of the email.
   * The email is sent using the .Send method from the email address used in Outlook by whoever’s device the code is running on.
   * The Outlook objects are released to free up resources.

**Usage (if writing edits or new script is required)**

1. Open the Excel workbook containing the table and the chart.
2. Press **ALT** + **F11** to open the Visual Basic for Applications (VBA) editor.
3. Insert a new module and paste the provided code into the module.
4. Customize the script according to your requirements (email recipient, subject, table name, chart name, etc.).
5. Save and close the VBA editor.
6. When changes are made within the specified table, the script will automatically trigger an email with the updated chart image embedded.

**Conclusion**

The "Automated Bug Tracker Email Notification" VBA script enhances bug tracking by automating the process of notifying relevant parties about changes in bug statistics. By monitoring changes in a specific table and embedding chart images within emails, the script facilitates efficient communication and reporting among team members.