This document contains the complete setup guide and the final script for creating UniFi Protect lockdown alerts that send notifications to Google Chat and a Google Group email.

Setup Guide: UniFi Protect Lockdown Alerts

This guide provides a step-by-step process to set up an automated notification system. When a lockdown is triggered in UniFi Protect, this system will send a highly visible alert to a Google Chat space and an email to a designated Google Group.

Step 1: Create a Google Chat Webhook

1. Open or Make New One in Google Chat space where you want the alerts to appear.
2. Click the space's name at the top and select **Space Setting**s and select **Apps & integrations** from the dropdown menu.
3. Click the **+ Add webhooks** button.
4. Give the webhook a name (e.g., "UniFi Alerts").
5. Click **Save**.
6. A webhook URL will be generated. **Copy this URL** and save it temporarily.

Step 2: Create a Google Group Email

1. Go to Google Groups.
2. Click **Create group**.
3. Fill out the required information and add the email addresses of all team members who should receive the email alerts.
4. Once the group is created, **copy the group's email address** (e.g., emergency-response-team@your-domain.com).

Step 3: Create and Configure the Google Apps Script

1. Go to Google Apps Script and click **New project**.
2. **Copy the entire script provided below** and paste it into the code editor, replacing all existing text.
3. At the top of the script, fill in your information for the following variables: GROUP_EMAIL, CHAT_WEBHOOK_URL, EMERGENCY_PLAN_URL, and SIREN_ICON_URL.
4. Click the **Save project** icon.

Step 4: Deploy the Script as a Web App

1. Click the **Deploy** button in the top-right corner of the editor.
2. Select **New deployment**.
3. Click the gear icon next to "Select type" and choose **Web app**.
4. Under "Who has access," select **Anyone**. This is critical for the UniFi webhook to work.
5. Click **Deploy**.
6. A URL will be generated. **Copy this URL**.

Step 5: Configure the UniFi Webhook

1. Go to your UniFi Protect application.
2. Navigate to the **Alerts\Alarm Manager**
3. Create a new alarm select unlocked lockdown activated for notification would be webhook action.
4. Paste the URL you copied in Step 4 into the **Delivery URL** field.
5. Set the **Delivery method** to **POST**.
6. Link this webhook to the specific **lockdown event**.

The Complete Script

JavaScript

```javascript
JavaScript


/**
 * User-configurable parameters
 * Fill these in once at the top.
 */
const GROUP_EMAIL = "something@your-domain.com";
const CHAT_WEBHOOK_URL = "https://your_Web_hook";
const EMERGENCY_PLAN_URL = "https://your-domain.com/emergency-plan";
const SIREN_ICON_URL =
"https://cdn-icons-png.flaticon.com/512/10506/10506343.png";

/**
 * Main function that handles the webhook trigger.
 * It's configured as a web app to accept HTTP POST requests.
 */
function doPost(e) {
  // Log the incoming request for troubleshooting
  console.log("Webhook received. Event payload:",
e.postData.contents);

  try {
    // 1. Parse the JSON payload from the UniFi webhook
    const payload = JSON.parse(e.postData.contents);
```

```javascript
    // 2. Safely check for a valid alarm name from the payload
    const alarmName = payload.alarm ? payload.alarm.name : "Unknown
Alarm";

    // --- Step 1: Send a message to Google Chat ---
    sendChatNotification();

    // --- Step 2: Send an email notification to a Google Group ---
    sendEmailNotification();

    // Return a success response to the webhook sender
    return ContentService.createTextOutput(JSON.stringify({
"status": "success", "message": "Notifications sent."
})).setMimeType(ContentService.MimeType.JSON);

  } catch (error) {
    console.error("An error occurred:", error);
    return ContentService.createTextOutput(JSON.stringify({
"status": "error", "message": "Failed to send notifications."
})).setMimeType(ContentService.MimeType.JSON);
  }
}

/**
 * Sends a highly visible message to a Google Chat space.
 */
function sendChatNotification() {
  const message = {
    "cardsV2": [
      {
        "cardId": "lockdown_alert_card",
        "card": {
          "header": {
            "title": "🚨 BUILDING LOCKDOWN ACTIVATED 🚨",
            "subtitle": "Security Alert - IMMEDIATE ACTION
REQUIRED",
            "imageUrl": SIREN_ICON_URL, // Uses the URL from the top
            "imageType": "SQUARE"
```

```
          },
          "sections": [
            {
              "widgets": [
                {
                  "textParagraph": {
                    "text": "<b>Lockdown mode has been activated in
the building.</b>"
                  }
                },
                {
                  "textParagraph": {
                    "text": "Please proceed with caution and follow
emergency protocols. Move to a secure location, lock doors if
possible, and await further instructions."
                  }
                },
                {
                  "textParagraph": {
                    "text": "<b>DO NOT ATTEMPT TO EXIT THE
BUILDING.</b>"
                  }
                },
                {
                  "buttonList": {
                    "buttons": [
                      {
                        "text": "View Emergency Plan",
                        "onClick": {
                          "openLink": {
                            "url": EMERGENCY_PLAN_URL // Uses the
URL from the top
                          }
                        }
                      }
                    ]
                  }
                }
```

```
            ]
          }
        ]
      }
    ]
  };

  const options = {
    "method": "post",
    "contentType": "application/json",
    "payload": JSON.stringify(message)
  };

  UrlFetchApp.fetch(CHAT_WEBHOOK_URL, options); // Uses the URL from
the top
}

/**
 * Sends an email to a designated Google Group for a permanent
record.
 */
function sendEmailNotification() {
  const recipientEmail = GROUP_EMAIL; // Uses the email from the top
  const subject = "⚠️ EMERGENCY ALERT: Building Lockdown Activated";
  const body = "Subject: Building Lockdown Activated\n\n" +
               "This is an automated security notification.\n\n" +
               "LOCKDOWN MODE has been activated. Please proceed
with caution in the building.\n\n" +
               "Date/Time of Activation: " + new
Date().toLocaleString() + "\n" +
               "--- \n\n" +
               "This is an automated message. Do not reply to this
email.";

  // Use the built-in GmailApp service to send the email
  GmailApp.sendEmail(recipientEmail, subject, body);
}
```

```javascript
/**
 * This function can be run manually in the Apps Script editor to
test the notifications
 * without needing a UniFi webhook trigger.
 */
function testDoPost() {
  // A sample payload that mimics a real UniFi webhook for a
lockdown alarm
  const mockPayload = {
    alarm: {
      name: "Lockdown Alarm",
      triggers: [{
        id: "your_device_id",
        name: "test_trigger",
        type: "button_trigger"
      }]
    },
    event: {
      type: "alarm",
      timestamp: new Date().getTime()
    }
  };

  // Create a mock event object that the doPost function can process
  const mockEvent = {
    postData: {
      contents: JSON.stringify(mockPayload),
      type: "application/json"
    }
  };

  // Call the main function with the mock data
  doPost(mockEvent);
}
```