NAME

calmond – daemon to monitor Google calendars for rbserver

SYNOPSIS

calmond

DESCRIPTION

Calmond monitors a set of Google calendars, reporting busy/free times to a running instance of **rbserver**(1) to indicate the user's availability status.

CONFIGURATION

Calmond and the other tools which support readerboards and busylight units require a few files to be placed in the user's **˜/.busylight** directory. The overall tool configuration will be in a file called **busylight-config.json** in that directory. (See **busylight-config.json**(5) for details.)

AUTHENTICATION

In order to use the **calmond** daemon to query Google calendar busy/free times, you first need to obtain an API key from Google. This will go in your **˜/.busylight/credentials.json** file (or whatever you named it in **˜/.busylight/config.json**). An example of this file is:

```
{
  "installed" : {
    "client_id": "...",
    "project_id": "...",
    "auth_uri": "https://accounts.google.com/o/oauth2/auth",
    "token_uri": "https://oauth2.googleapis.com/token",
    "auth_provider_x509_cert_url": "https://www.googleapis.com/oauth2/v1/certs",
    "client_secret":"...",
    "redirect_uris": ["urn:ietf:wg:oauth:2.0:oob","http://localhost"]
  }
}
```

Next, you will need to manually authenticate to Google once before the daemon can continue to poll the calendar API on its own. To do this, run the **upcoming**(1) program. If you already have valid access tokens cached, it will simply report your busy/free times for the next 8 hours. Otherwise, it will print a lengthy URL on its standard output and wait for your response.

Copy that URL into a web browser. This will take you to Google where it will ask you to log in to the Google account whose calendars you wish to have monitored. You will also be asked if you are sure you want to give permissions to the app to have acceess to all of your calendars. If you agree, Google will give you an access token string.

Copy that string and paste it into the terminal where you are running **upcoming** so it is sent to **upcoming**'s standard input and press the return key.

This will authorize the client to access the calendar API, so **upcoming** will then print out its report of your upcoming appointment times. But in doing so it will also have cached your authentication token in the **˜/.busylight/auth.json** file (or whatever you named it in **config.json**), so the programs documented here may freely poll the calendar service using that token.

If the busylight tools suddenly stop being able to access the calendar, simply delete the **auth.json** file and repeat this process to get a new token cached.

Security Implications

Protect the data in the **auth.json** file carefully. Any program with access to that data will have full rights to view and modify your Google calendars.

When you no longer wish to authorize these tools to access your calendars, you may go into your Google account settings on Google's website to revoke that authorization.

HISTORY

Calmond replaces some of the functionality of the now-obsolete **upcoming**(1) and **busylightd**(1) programs.

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