



Google Calendar Integration (GCI)

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Google Calendar Integration (GCI)

Introduction

Your business is conducted on-the-go, as well as at the office. The RentalPoint Google Calendar Integration (GCI) is a quick way to connect with your technicians, whether freelance or staff, and give them a quick and accurate look at upcoming scheduled tasks. If your rental bookings in the RentalPoint system include crew tasks, then the GCI will be useful to you.

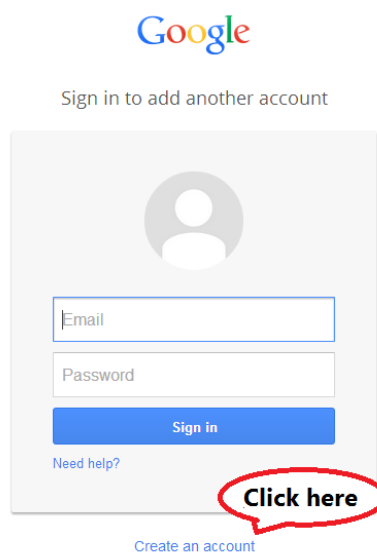
When your technicians are at home, or at the office, they can use any web browser to check their appointment schedule. When they're on the go, they can see their calendar appointments on their smart-phones, including the iPhone™.

System Requirements

Any system capable of running the main RentalPoint program is capable of running the GCI. The GCI requires an always-on high-speed internet connection, and uninterrupted connectivity. Other calendars may be supported in a future version of the calendar server; however, the initial release only supports GCI. The minimum RentalPoint software version for this server is v11.0.6.0 You must upgrade your system to v11.0.6.0 or higher prior to launching the GCI for the first time. GCI will give you an error message and exit if the database is not available, or not upgraded to the correct version.

Setting Up Your Main Google Account

- Create a new corporate Google Account, you can do this in Google by clicking on the link to create a new account as below –

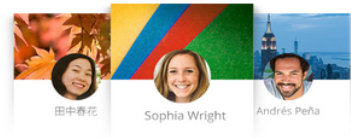


Create your Google Account

One account is all you need
A single username and password gets you into everything Google.



Make Google yours
Set up your profile and preferences just the way you like.



Take it all with you
Switch between devices, and pick up wherever you left off.

Name
First Last

Choose your username
 @gmail.com

Create a password

Confirm your password

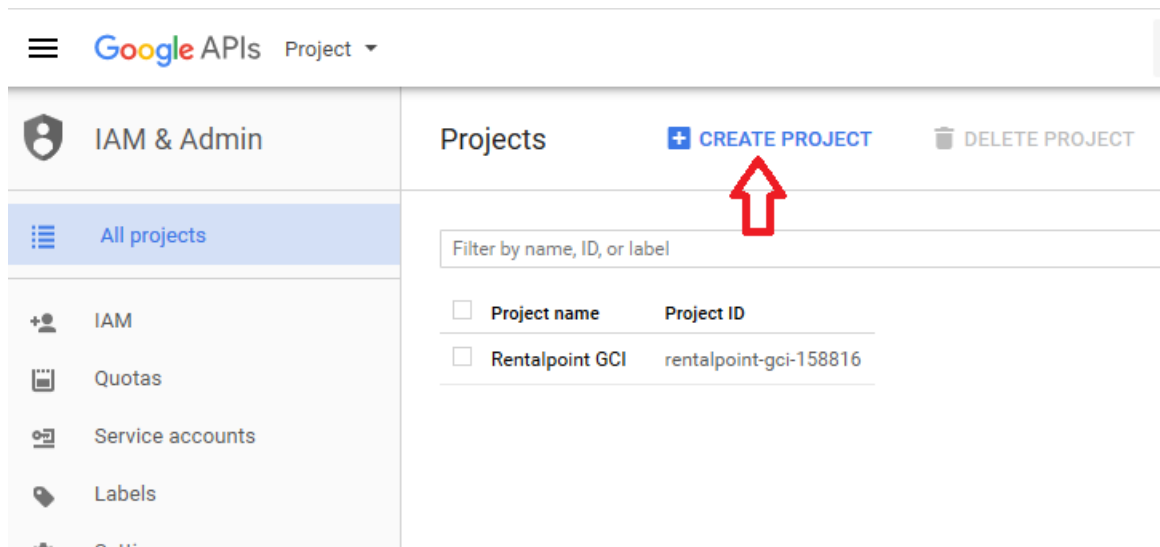
Birthday
Month Day Year

Gender
I am...

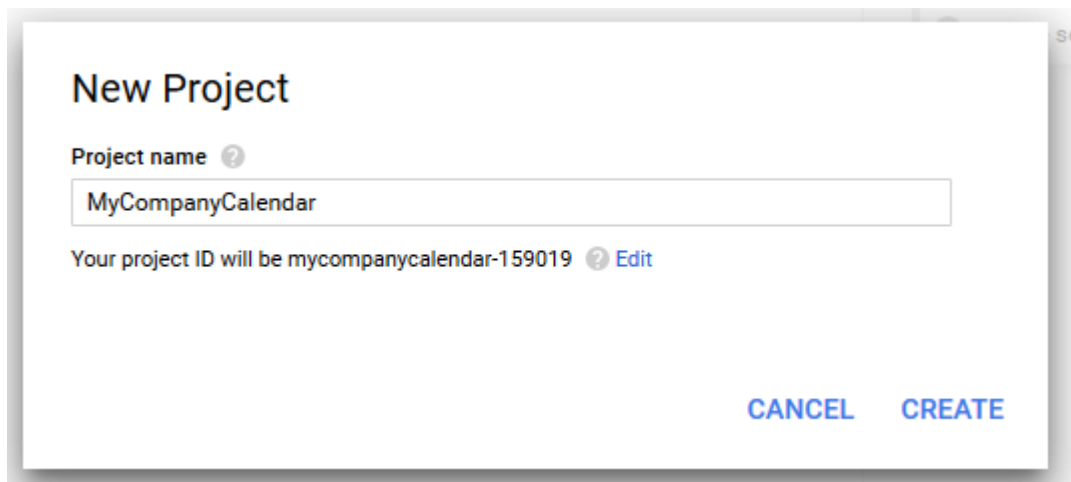
Mobile phone

Your current email address

- This new corporate account will only be used to setup the Google drive integration, no emails will be sent or received using this account.
- From Google Developers Console, set up your Google Account for Google Drive usage
 1. Go to <https://console.developers.google.com/project>
 2. Create your project (should be created within CORPORATE Google Account) :



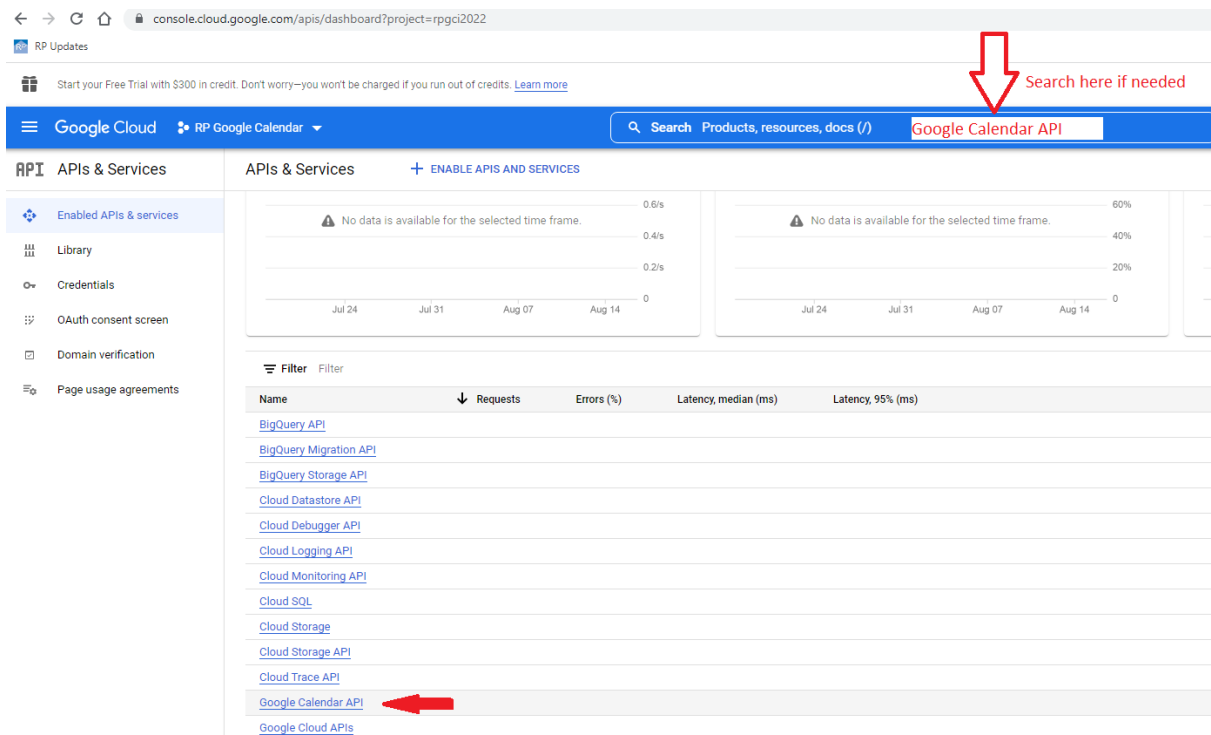
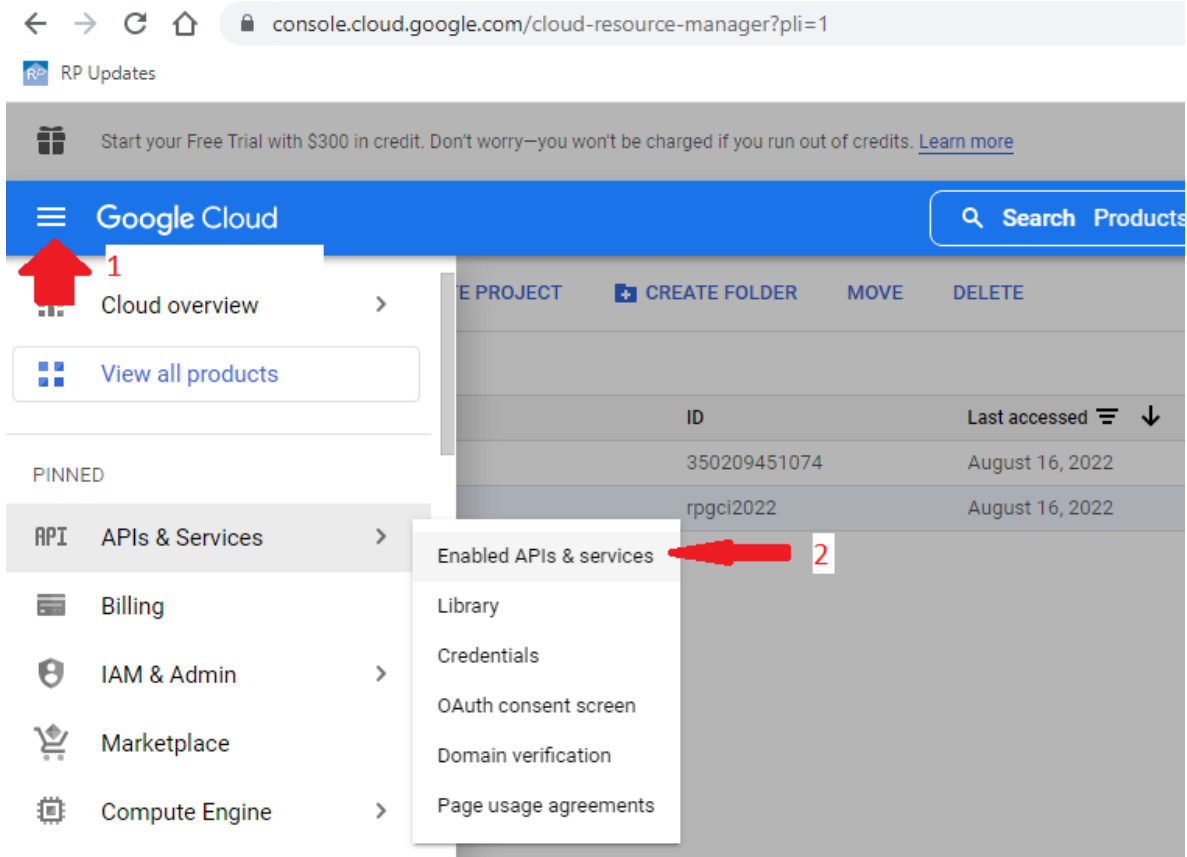
3. Enter project name*/id**

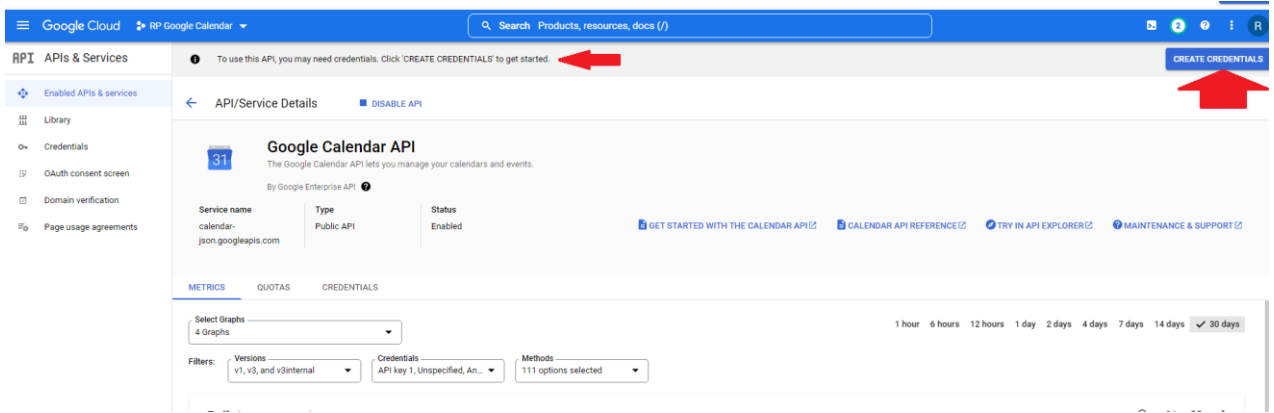



 The project name is only used in the Console.

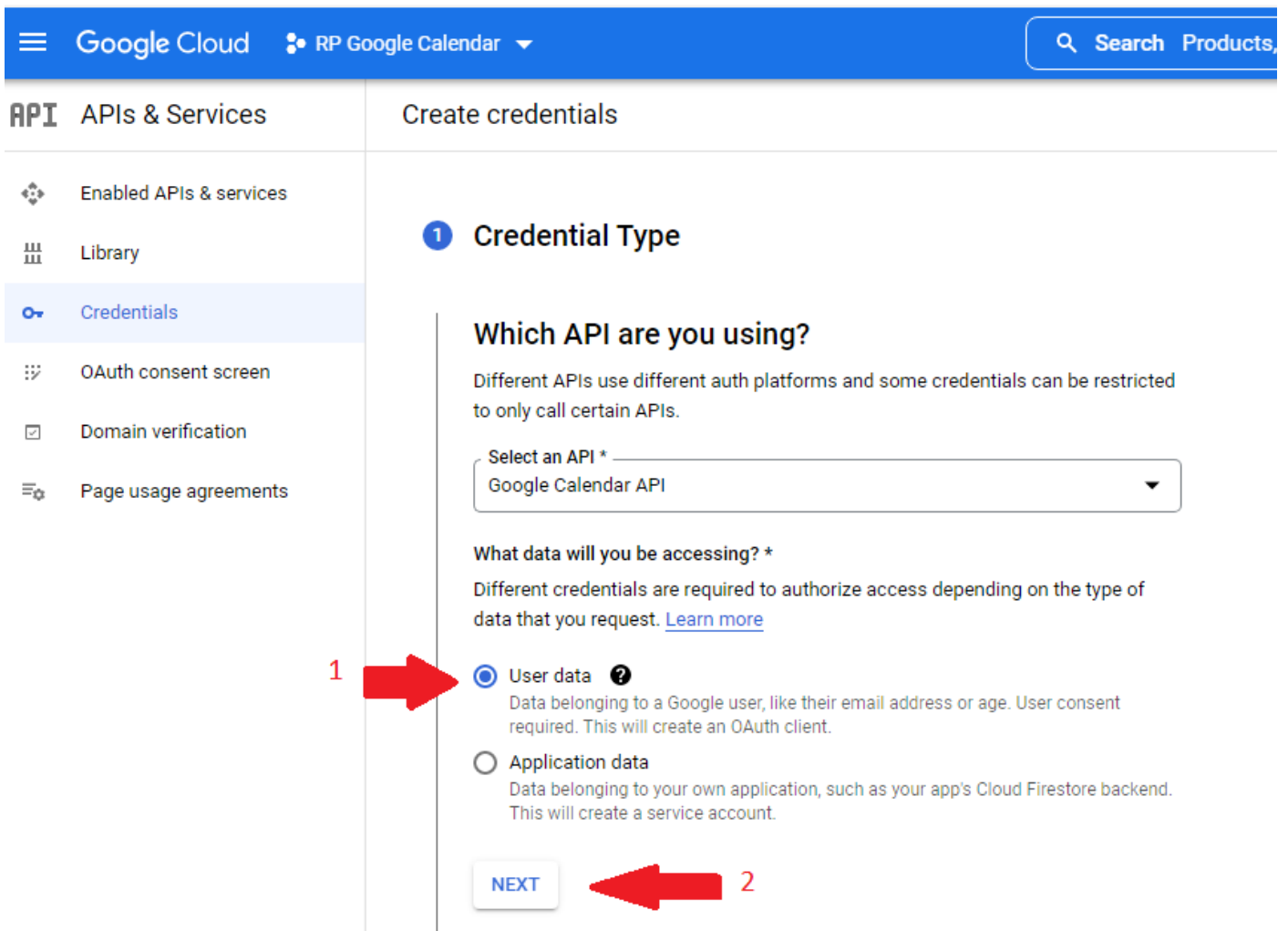
- The project ID is used to uniquely identify your project. Once selected, this identifier cannot be changed.

4. Enable Calendar API





 You will need your Client ID and Client Secret for RentalPoint Setup so go to credentials tab & click create credentials



APIs & Services

- Enabled APIs & services
- Library
- Credentials**
- OAuth consent screen
- Domain verification
- Page usage agreements

Create credentials

2 OAuth Consent Screen

App information

This shows in the consent screen, and helps end users know who you are and contact you

App name *
RP Calendar Service

The name of the app asking for consent

User support email *
[redacted]@[redacted].com

For users to contact you with questions about their consent

App logo [BROWSE](#)

Upload an image, not larger than 1MB on the consent screen that will help users recognize your app. Allowed image formats are JPG, PNG, and BMP. Logos should be square and 120px by 120px for the best results.

Developer contact information

Email addresses *
[redacted]@[redacted].com

These email addresses are for Google to notify you about any changes to your project.

[SAVE AND CONTINUE](#)



console.cloud.google.com/apis/credentials/wizard?api=calendar-json.googleapis.com&previousPage=%2Fapis%2Fapi%2Fcalendar-json.googleapis.com%2Fmetrics%3Fproject%3Drpgci2022&project=rpgci2022

RP Updates

Start your Free Trial with \$300 in credit. Don't worry—you won't be charged if you run out of credits. [Learn more](#)

Google Cloud RP Google Calendar

APIs & Services

- Enabled APIs & services
- Library
- Credentials
- OAuth consent screen
- Domain verification
- Page usage agreements

Create credentials

- Credential Type
- OAuth Consent Screen
- Scopes (optional)
 - You can also choose scopes when you register your app.
 - Scopes express the permissions you request users to authorize for your app and allow your project to access specific types of private user data from their Google Account. [Learn more](#)
 - [ADD OR REMOVE SCOPES](#)

Your non-sensitive scopes

API	Scope	User-facing description
...	.../auth/userinfo	See your primary Google

Update selected scopes

Only scopes for enabled APIs are listed below. To add a missing scope to this screen, find and enable the API in the [Google API Library](#) or use the Pasted Scopes text box below. Refresh the page to see any new APIs you enable from the Library.

Filter Enter property name or value

API	Scope	User-facing description
<input checked="" type="checkbox"/>	.../auth/userinfo.email	See your primary Google Account email address
<input checked="" type="checkbox"/>	.../auth/userinfo.profile	See your personal info, including any personal info you've made publicly available
<input checked="" type="checkbox"/>	openid	Associate you with your personal info on Google
<input checked="" type="checkbox"/>	BigQuery API .../auth/bigquery	View and manage your data in Google BigQuery and see the email address for your Google Account
<input checked="" type="checkbox"/>	BigQuery API .../auth/cloud-platform	See, edit, configure, and delete your Google Cloud data and see the email address for your Google Account
<input checked="" type="checkbox"/>	BigQuery API .../auth/bigquery.readonly	View your data in Google BigQuery
<input checked="" type="checkbox"/>	BigQuery API .../auth/cloud-platform.read-only	View your data across Google Cloud services and see the email address of your Google Account
<input checked="" type="checkbox"/>	BigQuery API .../auth/devstorage.full_control	Manage your data and permissions in Cloud Storage and see the email address for your Google Account
<input checked="" type="checkbox"/>	BigQuery API .../auth/devstorage.read_only	View your data in Google Cloud Storage
<input checked="" type="checkbox"/>	BigQuery API .../auth/devstorage.read_write	Manage your data in Cloud Storage and see the email address of your Google Account

Rows per page: 10 1 - 10 of 42

Google Cloud RP Google Calendar Search Products

API APIs & Services Create credentials

- Enabled APIs & services
- Library
- Credentials**
- OAuth consent screen
- Domain verification
- Page usage agreements

1 Credential Type

2 OAuth Consent Screen

3 Scopes (optional)

4 OAuth Client ID

A client ID is used to identify a single app to Google's OAuth servers. If your app runs on multiple platforms, each will need its own client ID. See [Setting up OAuth 2.0](#) for more information. [Learn more](#) about OAuth client types.

Application type *
Desktop app

Name *
RentalPoint GCI

The name of your OAuth 2.0 client. This name is only used to identify the client in the console and will not be shown to end users.

Note: It may take 5 minutes to a few hours for settings to take effect

CREATE CANCEL

5 Your Credentials



Google Calendar Integration (GCI)

Google Cloud | RP Google Calendar

APIs & Services | Create credentials

- Enabled APIs & services
- Library
- Credentials**
- OAuth consent screen
- Domain verification
- Page usage agreements

Credential Type

OAuth Consent Screen

Scopes (optional)

OAuth Client ID

Your Credentials

Download your credentials

Download this credential information in JSON format. This is always available for you on the [credentials page](#).

Client ID: 591454851555-pv6e...@apps.googleusercontent.com

DOWNLOAD Copy to clipboard

Your OAuth consent screen has been configured and is ready for use by others in your Google Workspace organization.

If you need users outside of your organization to have access, you can change the app type to "External" on the [OAuth consent screen page](#). Most external apps also require [verification](#), which can take up to 4-6 weeks (depending on which OAuth scopes your app uses).

Now viewing project "RP Google Calendar" in org

DONE **CANCEL**

Google Cloud | RP Google Calendar

APIs & Services | Credentials

API Keys

Name	Creation date	Restrictions	Actions
API key 1	Aug 16, 2022	Google Calendar API	SHOW KEY

OAuth 2.0 Client IDs

Name	Creation date	Type	Client ID	Actions
RentalPoint GCI	Aug 16, 2022	Desktop	591454851555-pv6e...@apps.googleusercontent.com	Edit OAuth client

Service Accounts

Email	Name	Actions

Google Cloud | RP Google Calendar

Client ID for Desktop

DOWNLOAD JSON **RESET SECRET** **DELETE**

Name: RentalPoint GCI

The name of your OAuth 2.0 client. This name is only used to identify the client in the console and will not be shown to end users.

Note: It may take 5 minutes to a few hours for settings to take effect

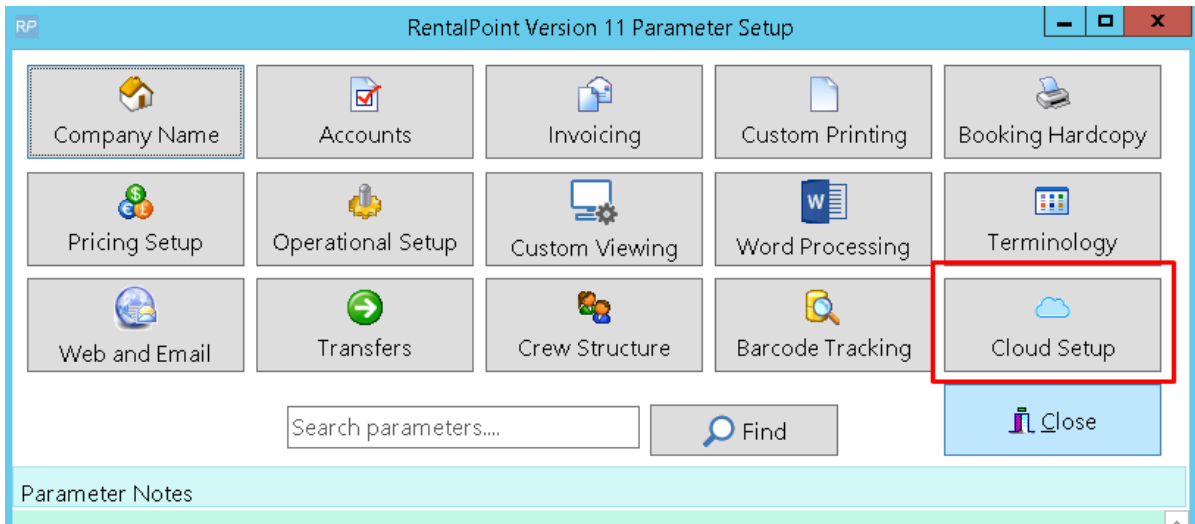
SAVE **CANCEL**

Client ID	Client secret	Creation date
591454851555-pv6e...@apps.googleusercontent.com	G...Mo	August 16, 2022 at 2:36:16 PM GMT-7

Record your credentials, you will need to Copy Paste your client ID & secret to RentalPoint

Setting up RentalPoint to Interface with Google Calendar

1. From the Main Menu, Go To Setup -> Parameters -> Cloud Setup.



From last step in Setting up Google Calendar



The 'Setup Company Cloud Account' dialog box contains the following sections and fields:

- Google Account Parameters**
 - Client ID: [Text Input Field]
 - Client Secret: [Text Input Field]
- Docs Cloud Saving Parameters**
 - Use Company Cloud
 - Save Docs Settings**
 - Save docs to Google drive
 - Save docs locally and carbon copy to cloud
- SMS Kapow Account**
 - User Name: [Text Input Field]
 - Password: [Text Input Field]

At the bottom, there are 'OK' and 'Cancel' buttons.

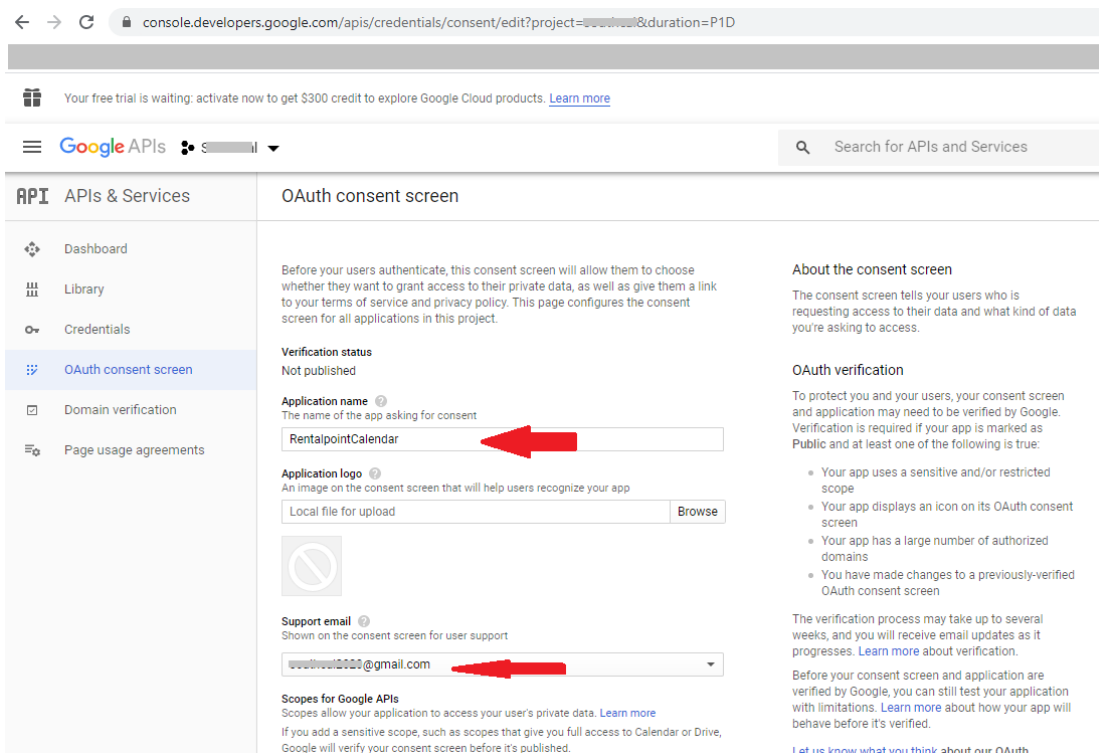
Troubleshooting Setup



403. That's an error.



1. Open Internet Explorer (RP is using Internet Explorer for internal authorization with Google). Go to <https://www.google.com> and log off from your current account.
2. Go to <https://console.developers.google.com/project>, login with your corporate account and open your project, then go to APIs & auth and check your Consent screen:



← → ↻ 🔒 console.developers.google.com/apis/credentials/consent/edit?project=...&duration=P1D

📦 Your free trial is waiting: activate now to get \$300 credit to explore Google Cloud products. [Learn more](#)

☰ Google APIs 🔍 Search for APIs and Services

API	APIs & Services	OAuth consent screen
🏠	Dashboard	<p>Before your users authenticate, this consent screen will allow them to choose whether they want to grant access to their private data, as well as give them a link to your terms of service and privacy policy. This page configures the consent screen for all applications in this project.</p> <p>Verification status Not published</p> <p>Application name ⓘ The name of the app asking for consent <input type="text" value="RentalpointCalendar"/></p> <p>Application logo ⓘ An image on the consent screen that will help users recognize your app <input type="text" value="Local file for upload"/> <input type="button" value="Browse"/></p> <p>Support email ⓘ Shown on the consent screen for user support <input type="text" value="www@rentalpoint.com@gmail.com"/></p> <p>Scopes for Google APIs Scopes allow your application to access your user's private data. Learn more If you add a sensitive scope, such as scopes that give you full access to Calendar or Drive, Google will verify your consent screen before it's published.</p>
📖	Library	
🔑	Credentials	
🔗	OAuth consent screen	
🔒	Domain verification	
📄	Page usage agreements	

About the consent screen
The consent screen tells your users who is requesting access to their data and what kind of data you're asking to access.

OAuth verification
To protect you and your users, your consent screen and application may need to be verified by Google. Verification is required if your app is marked as **Public** and at least one of the following is true:

- Your app uses a sensitive and/or restricted scope
- Your app displays an icon on its OAuth consent screen
- Your app has a large number of authorized domains
- You have made changes to a previously-verified OAuth consent screen

The verification process may take up to several weeks, and you will receive email updates as it progresses. [Learn more](#) about verification.

Before your consent screen and application are verified by Google, you can still test your application with limitations. [Learn more](#) about how your app will behave before it's verified.

[Let us know what you think](#) about our OAuth



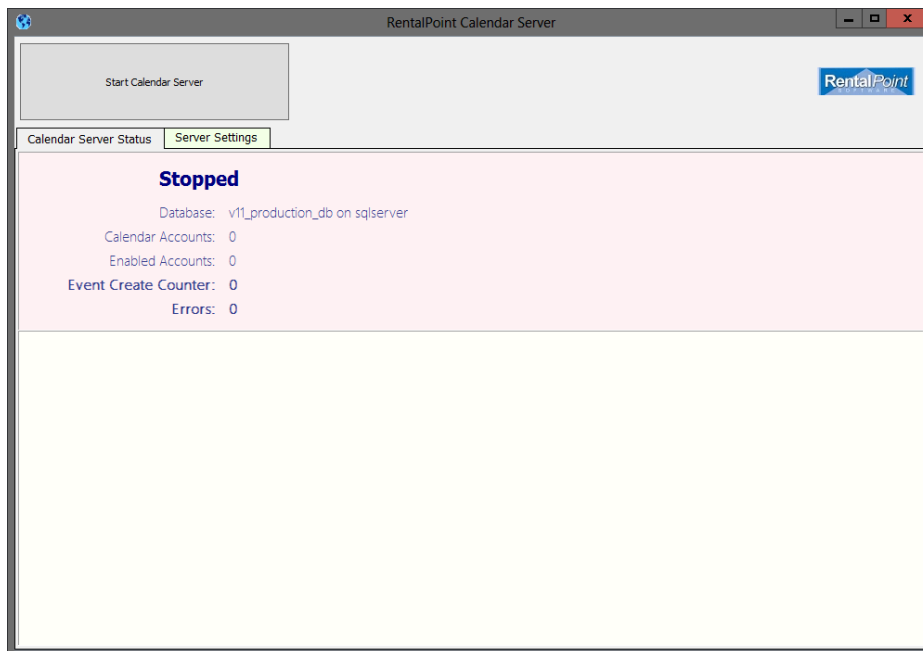
Google Calendar Integration (GCI)

3. If you have created a NEW account for use with Google Drive you may need to activate it. Go to <https://mail.google.com/mail> and login with your corporate account. This action activates your email. Go back to Rentalpoint cloud parameters now and validate your email again.
4. If you have other problems with authentication – ensure that your Client ID and Client Secret in credentials tab of your Google Developers Account Match those entered into Rentalpoint Parameter Setup.

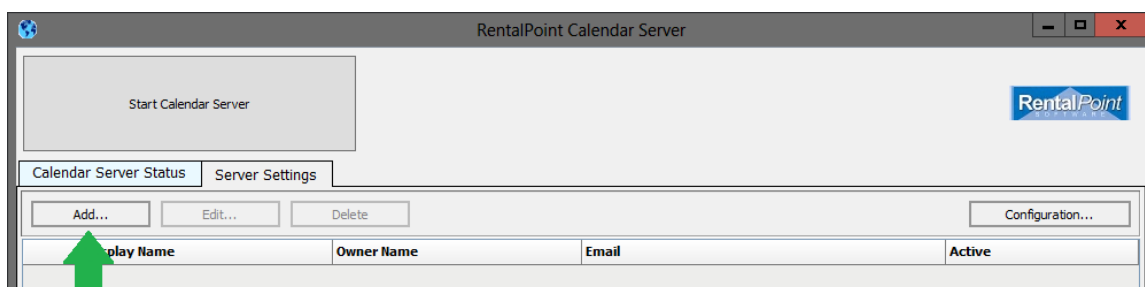
Getting Started with GCI

Launching the Service

Before you can start the service you need to configure your Google calendars. After installing RentalPoint, navigate to your sys directory and launch **RPCalendarServer.exe**. Head over to the **Server Settings** tab.

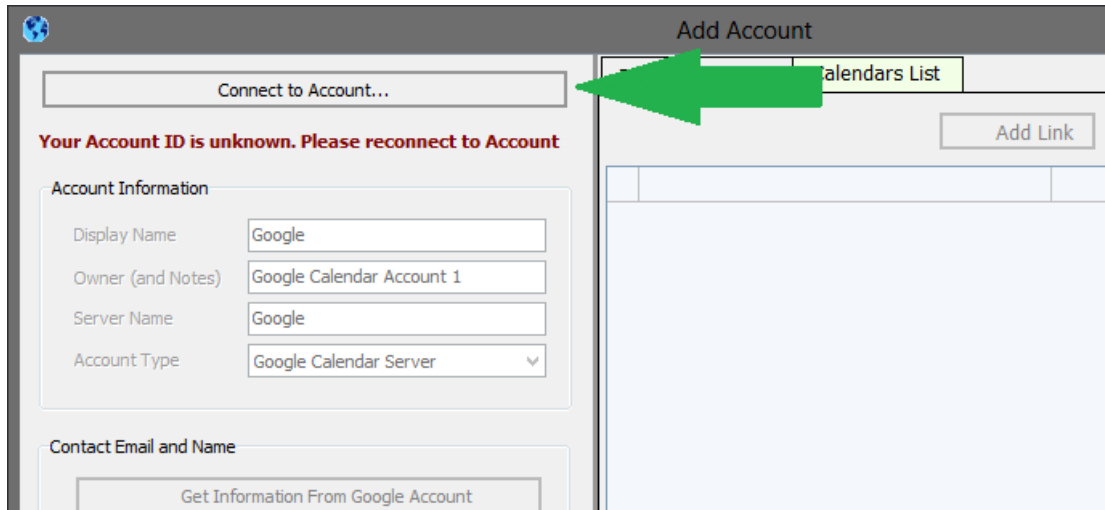


In the **Server Settings** tab, click **Add**.

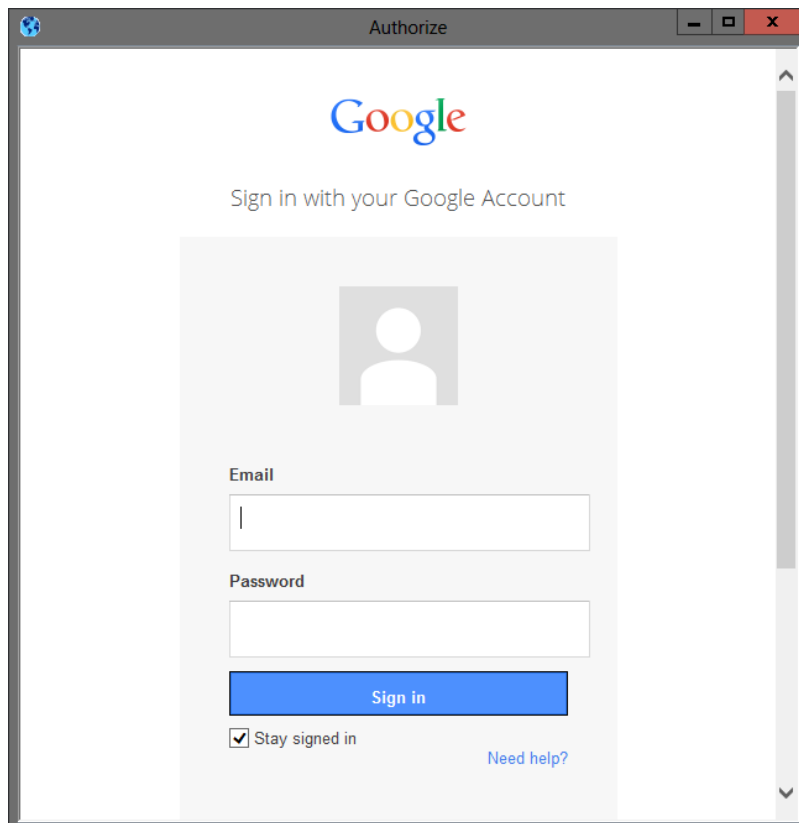


Connecting to a Google Account

In the Add Account window click **Connect to Account**. A Windows security prompt may display. Click Allow Access to continue. See Troubleshooting section below for connection issues



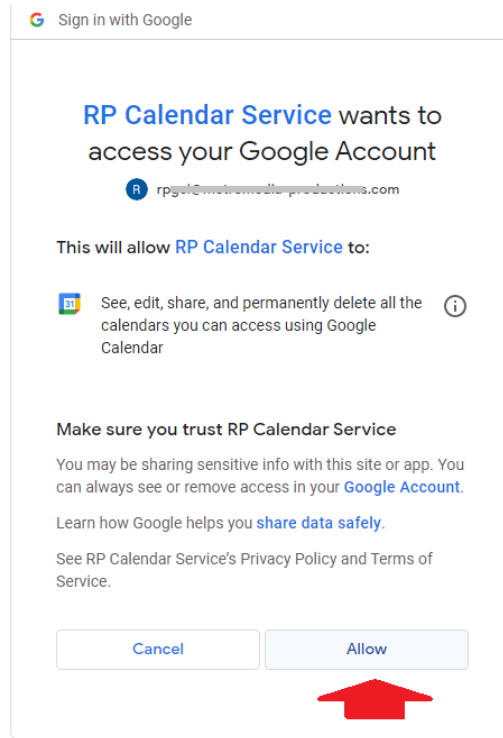
Login to your Gmail account.



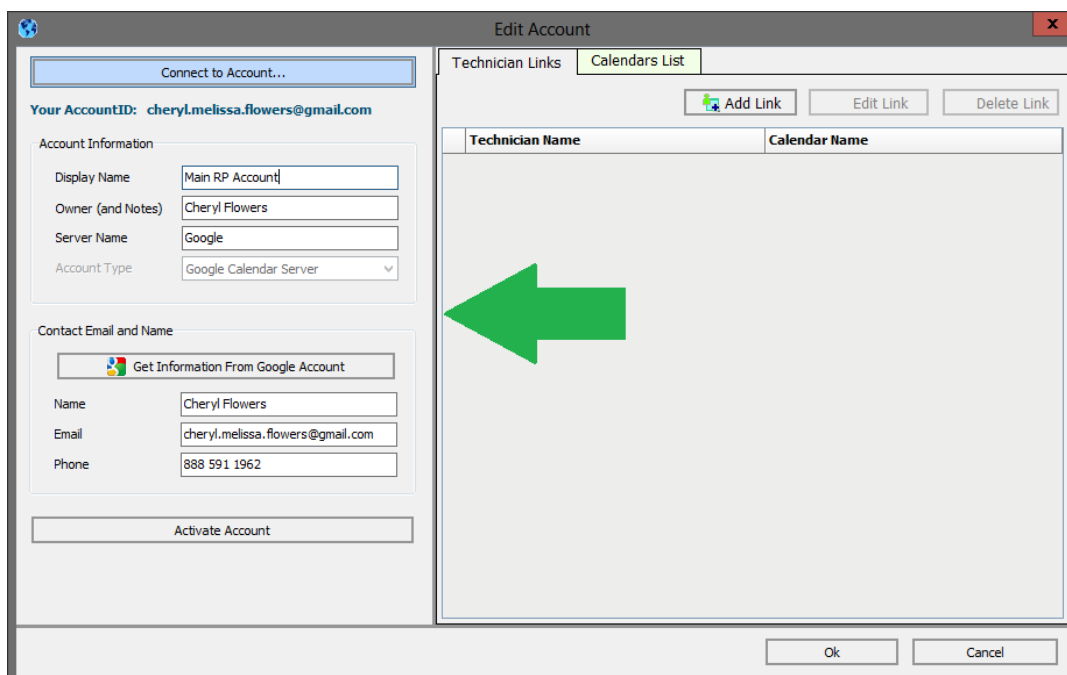


Google Calendar Integration (GCI)

Click **Accept** to authorize RentalPoint to use information from your Gmail account.

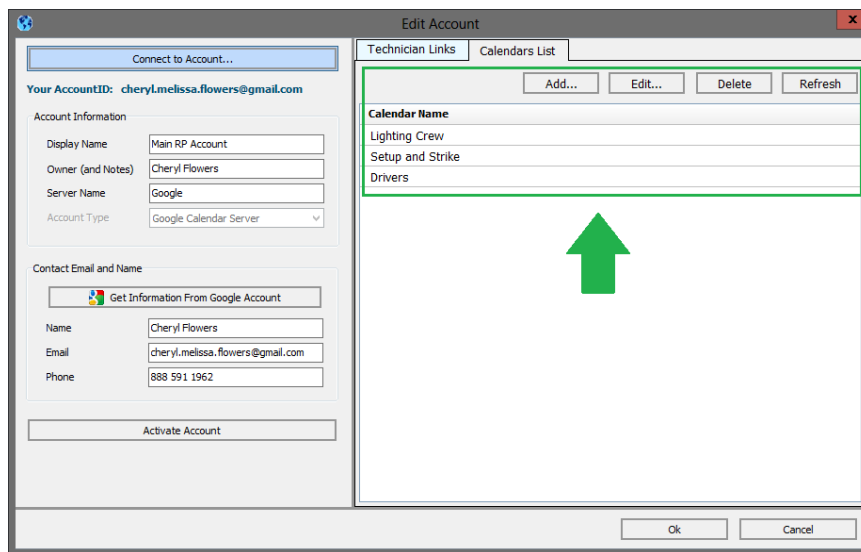


After you've connected to your Gmail account, you can configure additional information in RentalPoint. This information is used so you can quickly and easily identify your Gmail account in the list of accounts that sync with RP. Some companies may only have one account to sync to and some may have several. This info will help you to identify each of your accounts.



Configuring Calendars

Within each of your accounts you can configure multiple Calendars. By default, the system will add a calendar after you have connected to your Google account. An account must always have one calendar associated with it. Use the Add, Edit and Delete buttons to configure your calendars.



Within each calendar is a setting on how you want RP to interact with the calendar. Additional information can be found at this link <https://support.google.com/calendar/answer/143754?hl=en>. The settings are as follows:

None - calendar is unavailable for others. (default value)

Free/Busy reading - users within your domain can see when your time is booked or free, but they cannot see names or details in your events.

Reading - users within your domain can view your calendar and invite you to events, but they won't be able to access the details of events marked as private.



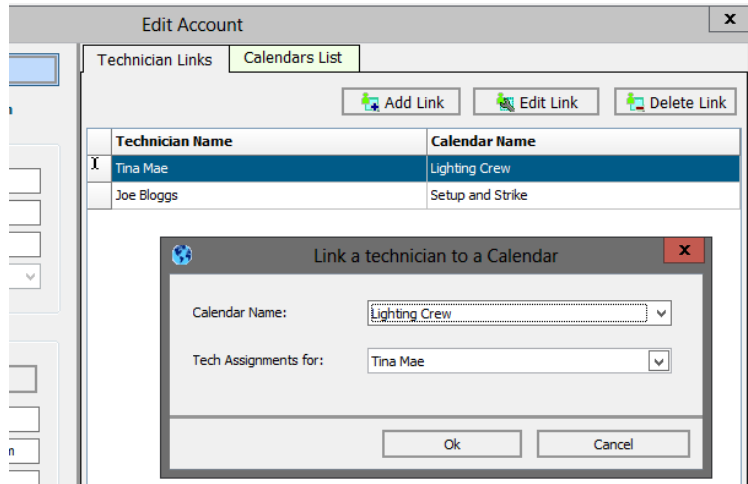
Google Calendar Integration (GCI)

The screenshot shows a dialog box titled "Edit Calendar" with a close button (X) in the top right corner. The dialog contains the following fields and options:

- Name:** A text input field containing "Lighting Crew".
- Description:** A large text area with scrollbars, currently empty.
- Location:** A text input field, currently empty.
- Time Zone:** A dropdown menu set to "America/Toronto".
- Color:** A dropdown menu showing a red square next to the number "3".
- Category:** A dropdown menu with a list of options: "None", "None", "Free/Busy reading", and "Reading". The "None" option is currently selected.
- Buttons:** "Ok" and "Cancel" buttons are located at the bottom of the dialog.

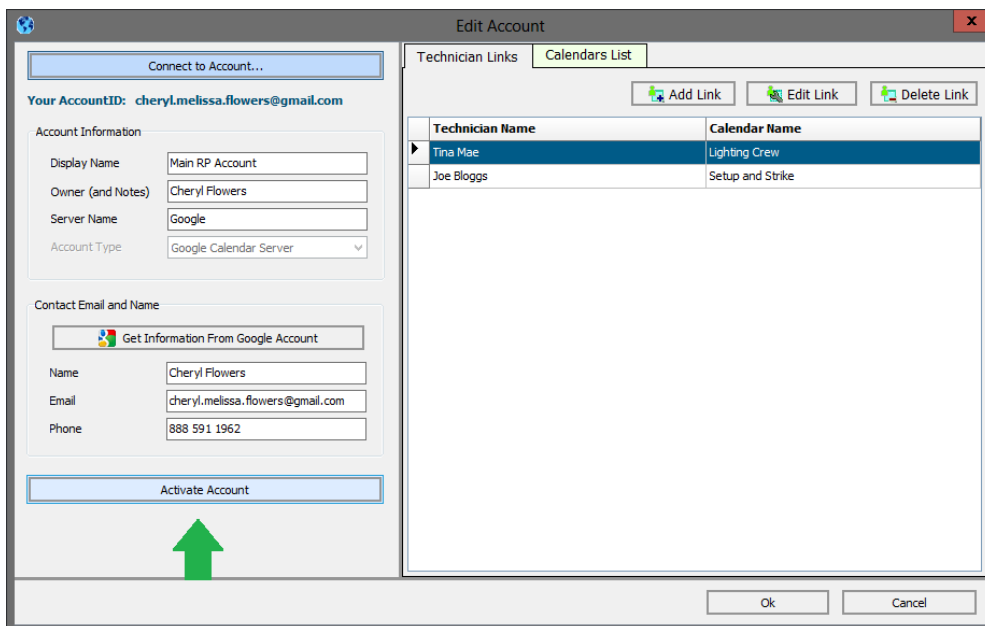
Configuring Technicians

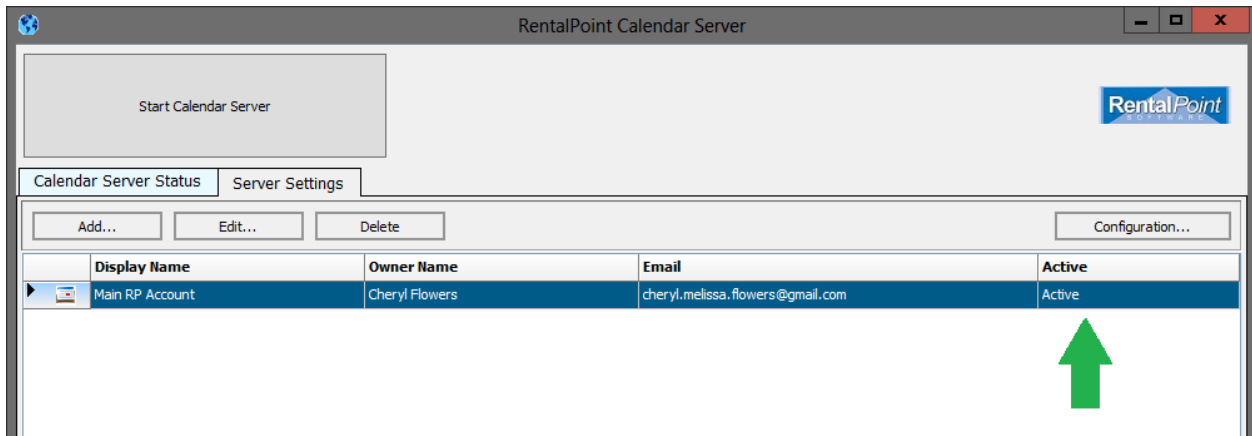
After you have configured calendars, you can link technicians to the calendars. Technicians must exist in the main RP program before they display in the technician drop down list. Click 'Add Link' to add a technician to a calendar.



Activating the Account

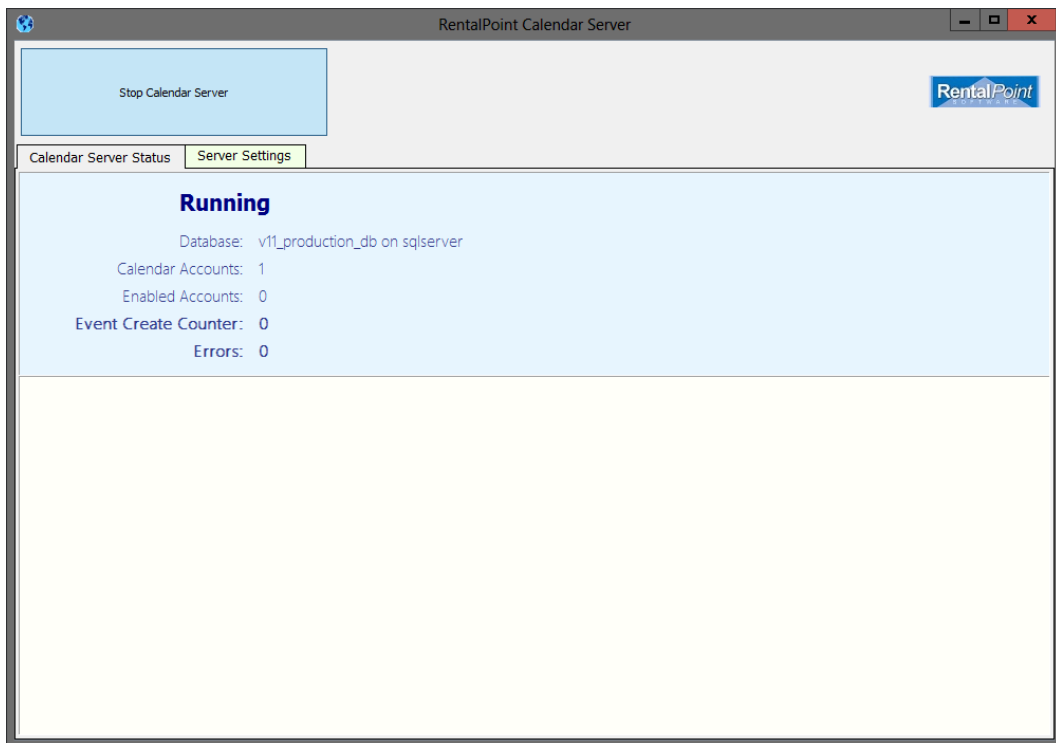
Your final step in configuring an account is to activate it. Click **Activate Account**, then click **OK** to save your settings.





Starting the Calendar Server

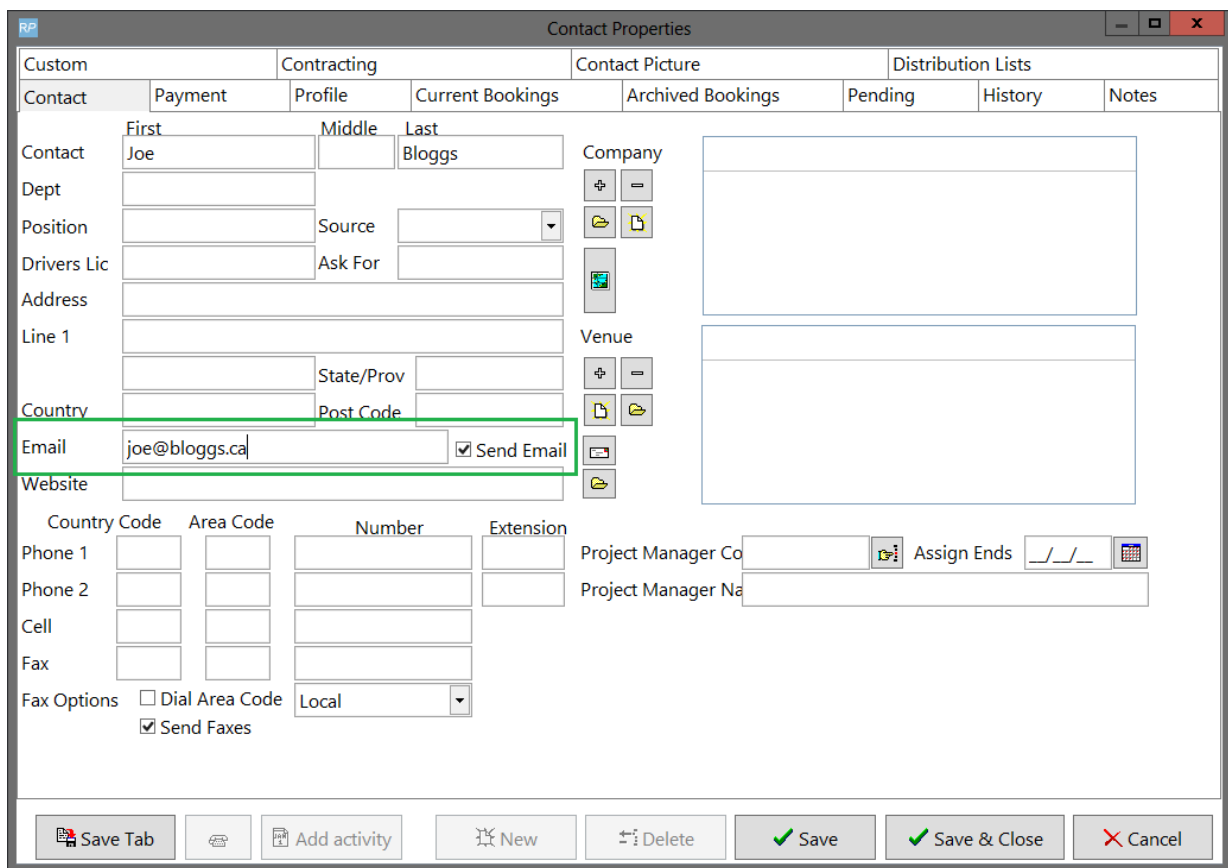
Now that you've configured all your accounts, calendars and technician links, it's time to start the service! Go back to the Calendar Server Status tab. Click **Start Calendar Server**. You'll see the status of the server is now **Running**.



Additional Configuration Options

Send Event Email

Use this option if you want to send email invitations to your technicians (Server Settings tab --> Configuration). This will notify the tech and remind them to review their calendar for upcoming events. For this option to work, please ensure that an email address is entered for the technician and the 'Send Emails' option is checked.



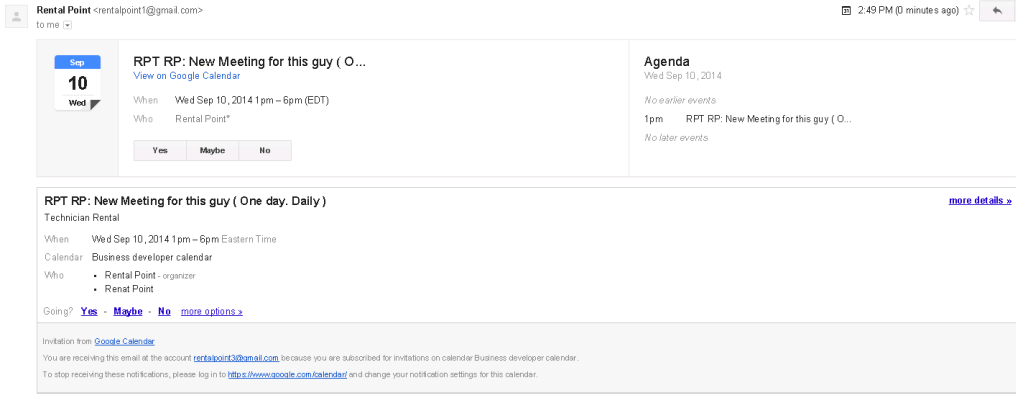
The screenshot shows the 'Contact Properties' window with the following details:

- Contact Name:** Joe Bloggs (First: Joe, Middle: , Last: Bloggs)
- Email:** joe@bloggs.ca (with a checked 'Send Email' checkbox, highlighted in green)
- Phone Numbers:** Phone 1, Phone 2, Cell, Fax (all empty)
- Other Fields:** Dept, Position, Drivers Lic, Address, Line 1, Country, Post Code, Website, Project Manager Co, Project Manager Na, Assign Ends, Send Faxes (checked)

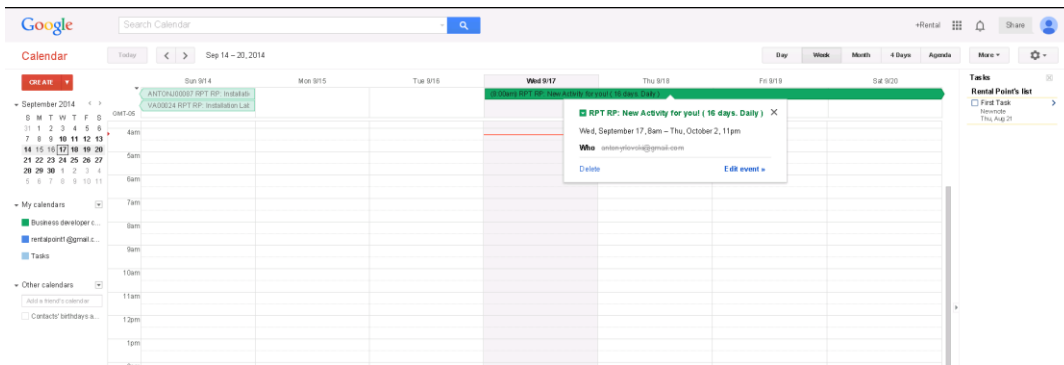


Google Calendar Integration (GCI)

The technician will receive something like this:

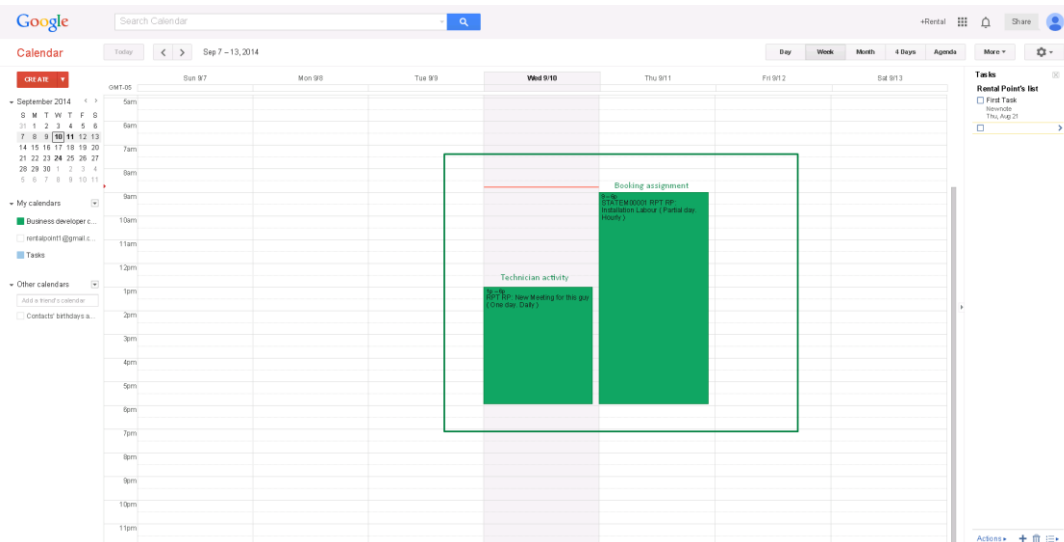


The managers' calendar will look something like this:



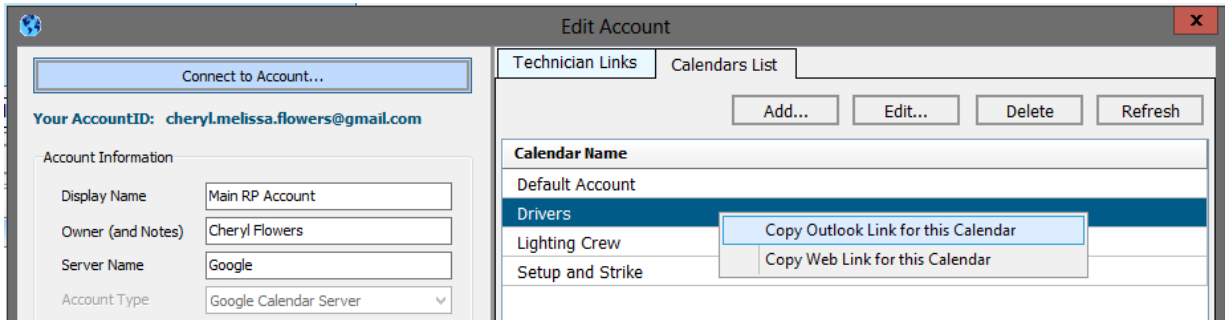
The tech calendar will look something like this

- Make sure your calendar is active in the left panel i.e. that it shows a colour
- Click the down arrow beside your calendar to share with other people

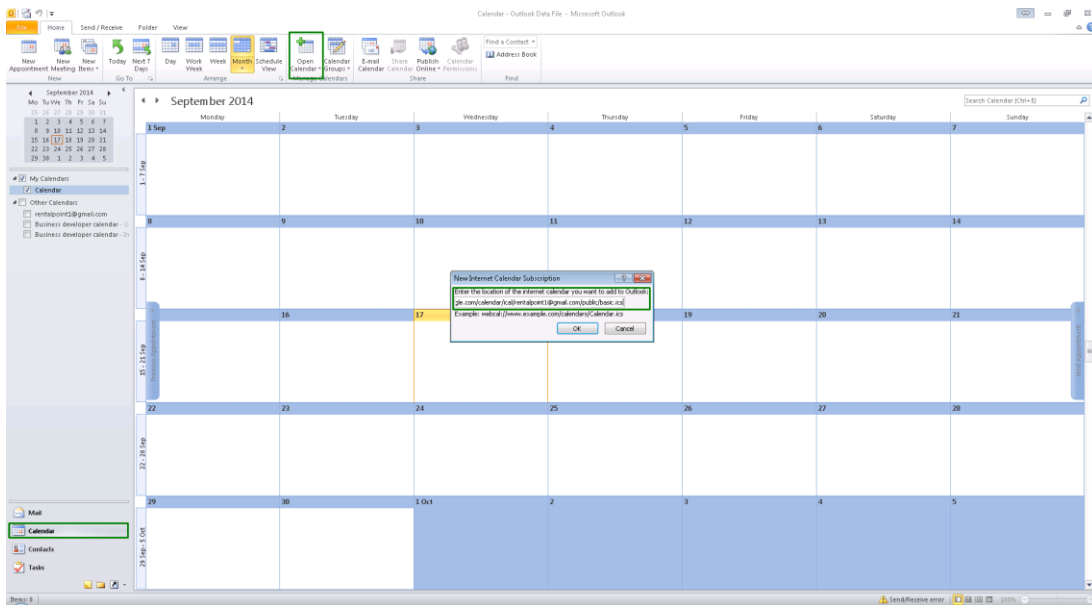


Outlook Integration

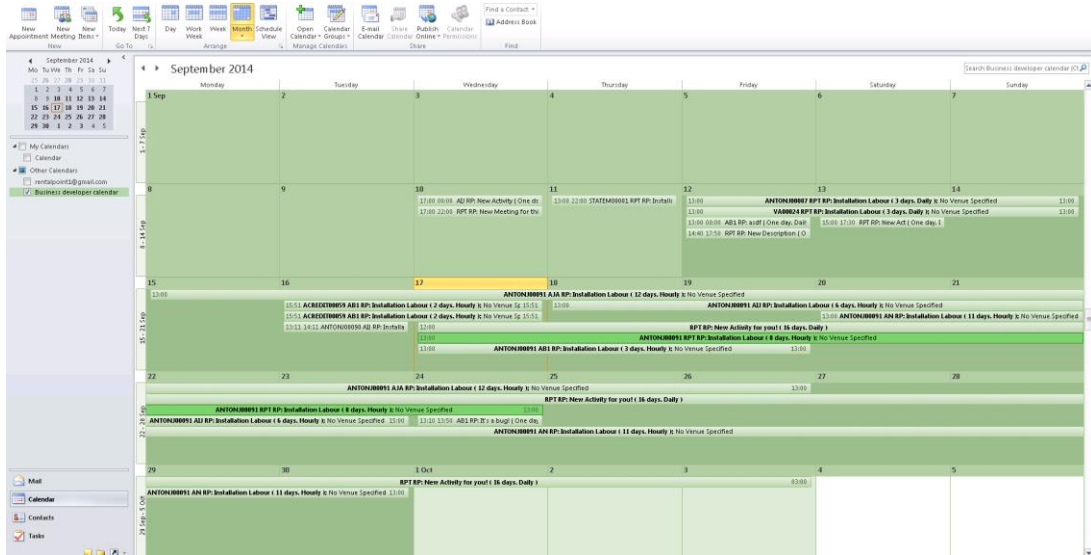
With RentalPoint, you can easily sync your Gmail and Outlook calendars. In the Calendar List, right click on the desired calendar and select **Copy Outlook Link for this Calendar**.



Now open Outlook and go to Calendar --> Open Calendar --> From Internet and paste the link by hitting Ctrl+V.

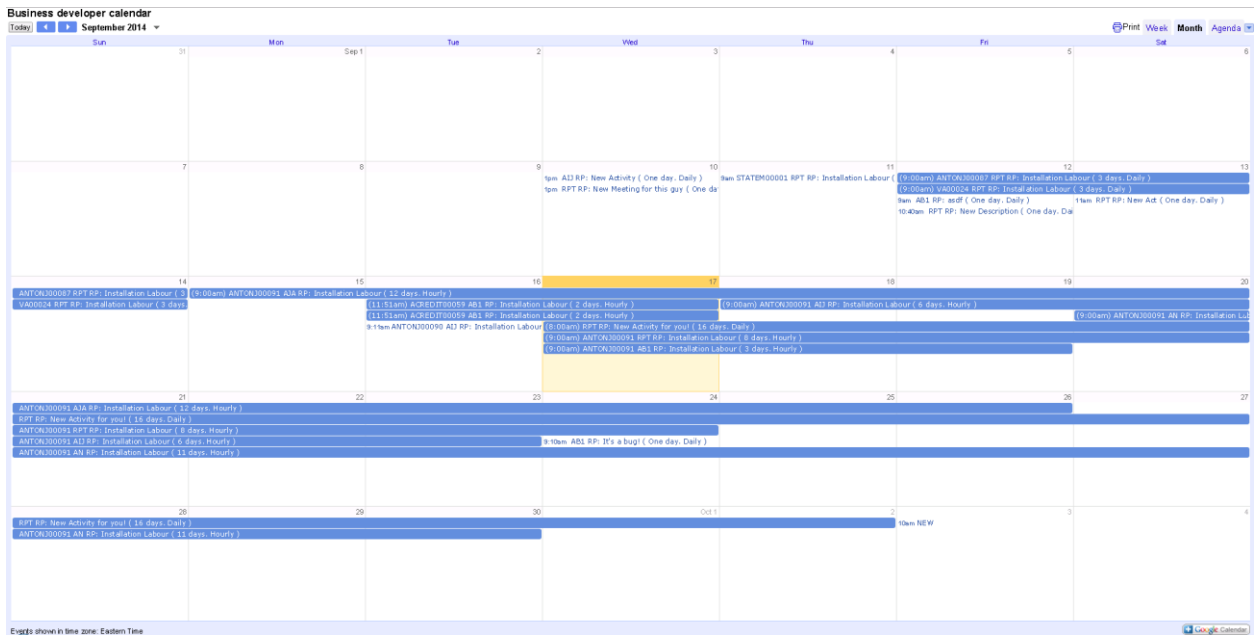


The Outlook calendar will refresh and it will now be fully synchronized with your Google calendar.



Open Calendar in Browser

The feature **Copy Web Link for this Calendar** provides you with a link for a web copy of your Google calendar. Simply paste it into a web browser. This option may be useful for some technicians, as it's a copy of Google calendar iFrame.

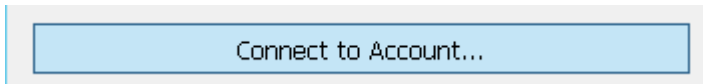




Google Calendar Integration (GCI)

GCI Connection Issues

Google account connection issues



If this message appears when trying to connect to your google account



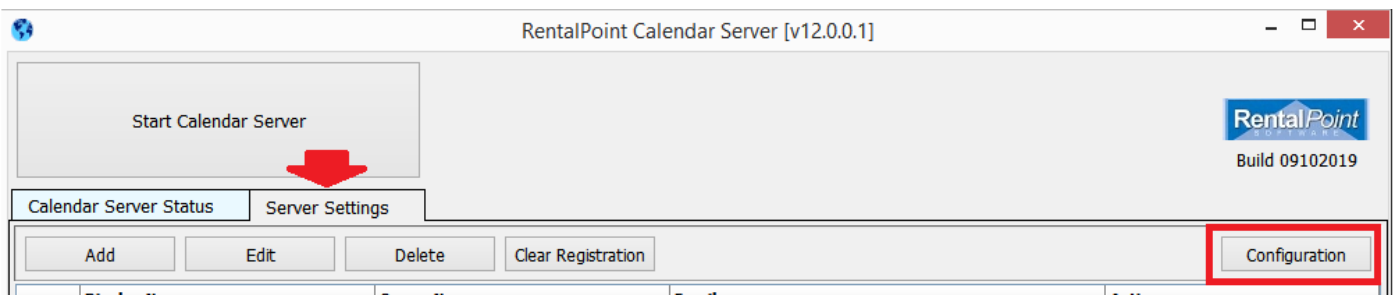
Couldn't sign you in



This browser or app may not be secure.

Try using a different browser. If you're already using a supported browser, you can refresh your screen and try again to sign in.

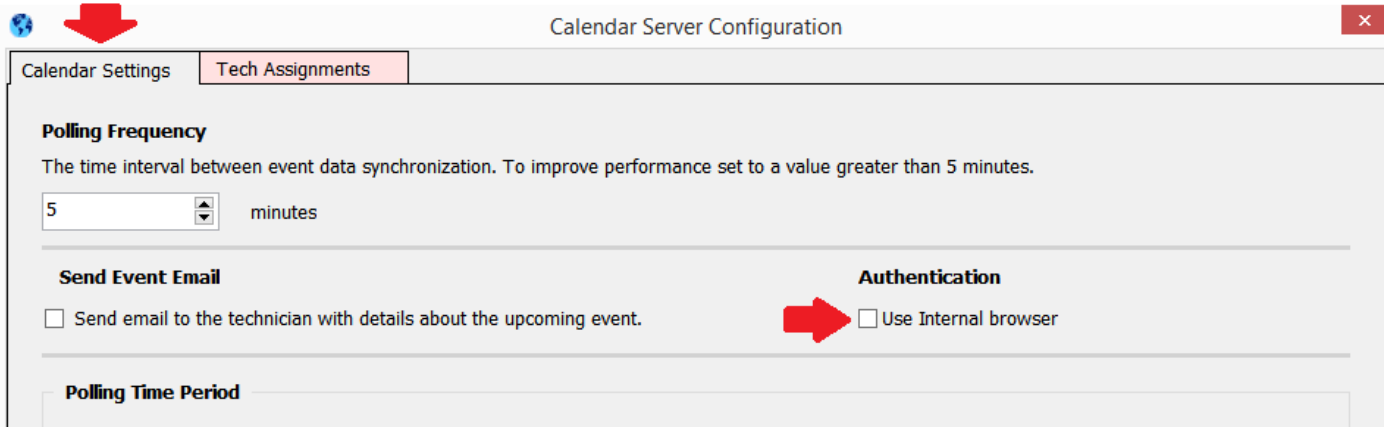
Click on the configuration button





Google Calendar Integration (GCI)

Then on the Calendar Settings tab, uncheck Use Internal browser.



GCI Troubleshooting Duplicates

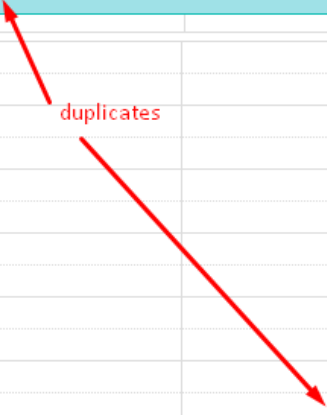
RentalPoint v12.0.0.6 introduced functionality that automatically searches for and cleans duplicate calendar entries when the calendar is started. Please upgrade to v12.0.0.6 to avail of this feature.

Older Functionality:

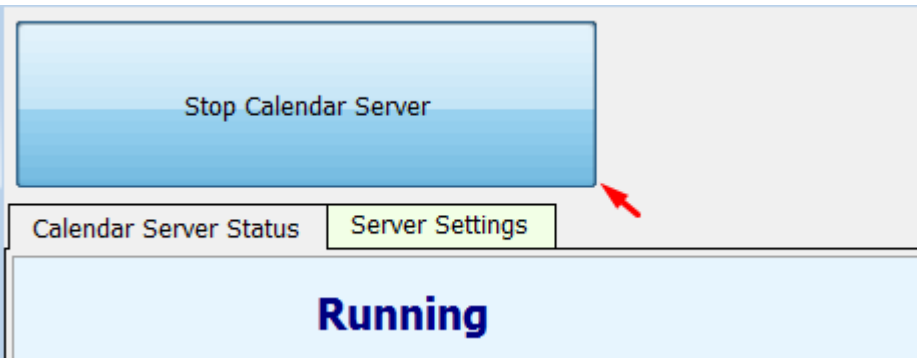
To address the issue in older versions of RentalPoint...tblCalendarAccountLinkSync contains information about assignments uploaded to actual google calendar, duplicate entries need to be manually cleaned

For example: There are 3 Duplicates below

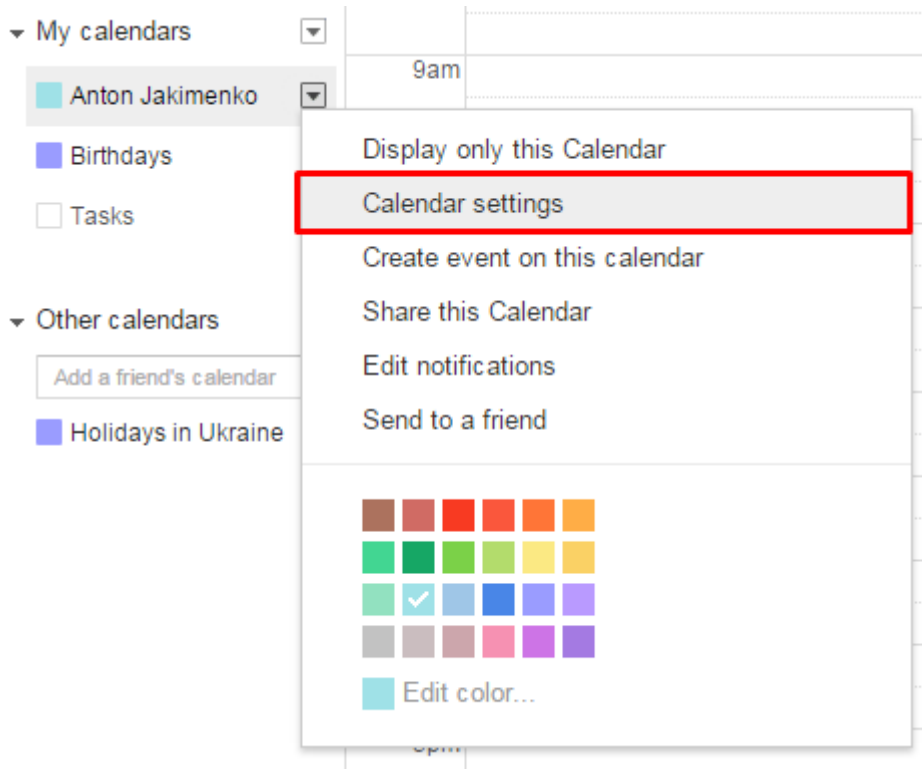
Вт, 5/5	Ср, 5/6	Чт, 5/7	Пт, 5/8
(11:03AM) CUST200001 AA RP: Labour (3 days. Hourly)			
(11:03AM) CUST200001 AA RP: Labour (3 days. Hourly)			
(11:03AM) CUST200001 AA RP: Labour (3 days. Hourly)			



1. Stop GCI:



2. `DELETE FROM tblCalendarAccountLinkSync`
3. Delete all duplicated assignments from actual google calendar manually:



Delete calendar:

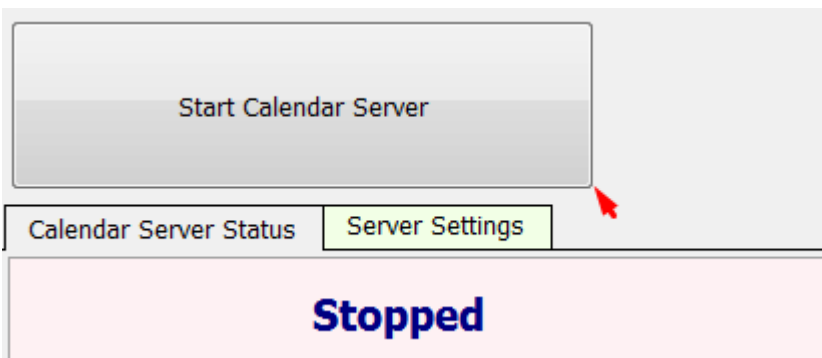
[Learn more](#)

[Delete all events in this calendar](#)

Delete. All events in this calendar will be deleted. If any ev

[« Back to calendar](#)

4. Start GCI:





Google Calendar Integration (GCI)

Assignments were restored correctly:

(11:03AM) CUST200001 AA RP: Labour (3 days. Hourly)		
	correct	
		11:03 – 12P VENDOR000007 AA RP: Labour (00h 57m)

GCI Troubleshooting Limits

Calendar API provides request limits for users:

https://console.developers.google.com/project/%your_project_name%/apiui/apiview/calendar/quotas

1,000,000 requests/day

n requests/second/user

Per-user limit could be setted manually. It is 5 by default, not long ago GCI sync functionality was changed. This change affects number of requests being sent to Google, so I recommend increasing per-user limit to 15.



Google Calendar Integration (GCI)