# **Clinician Scheduler Documentation**

Release 2.0

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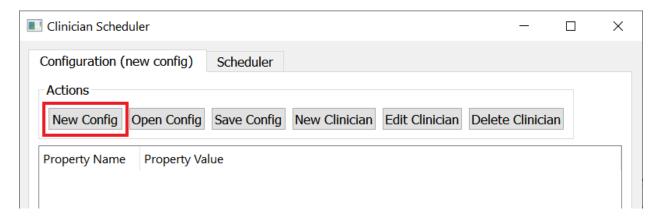
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### **CLINICIAN CONFIGURATION**

The clinician configuration specifies which clinicians are available, which divisions they are covering, and how many weeks they should cover in each of their divisions.

## 1.1 Creating a new configuration file

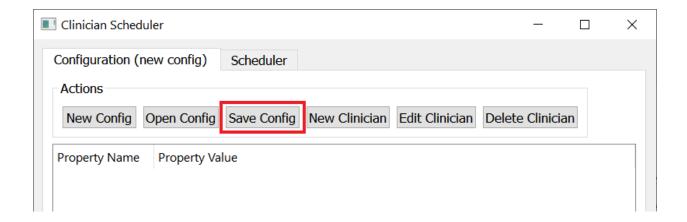
By default, you will get a blank configuration file when you launch the program. If you would like to discard the changes you have made and start a configuration file from scratch, simply click on *New Config*.



Warning: Unsaved changes to a configuration file will be discarded upon clicking on *New Config*.

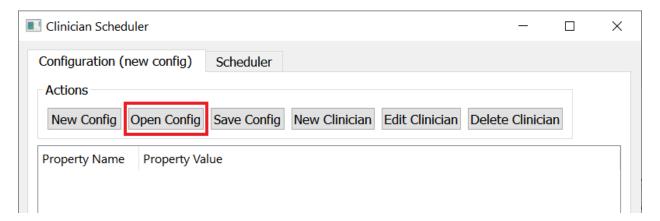
## 1.2 Saving the configuration file

When you are ready to save the configuration you created, click on *Save Config* and choose a place to save your file. Make note of the name and directory of the file so you could load it in future runs.



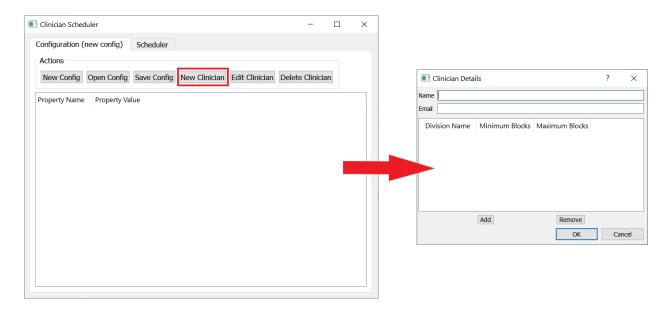
## 1.3 Loading a configuration file

If you would like to open a previously created configuration file, simply click on *Open Config*, navigate to the location of the file, and select it.



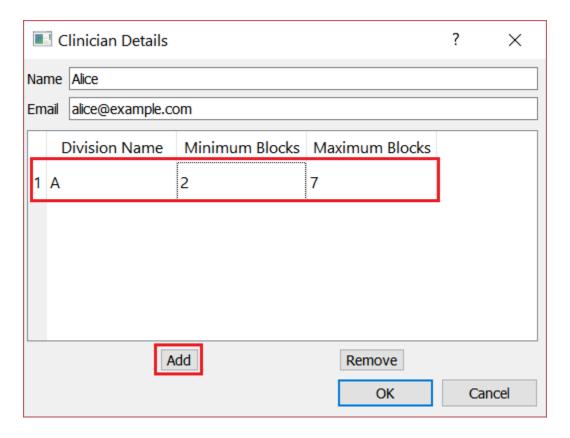
## 1.4 Adding a new clinician

1. From the configuration tab, click New Clinician. You should see a form for supplying clinician details.

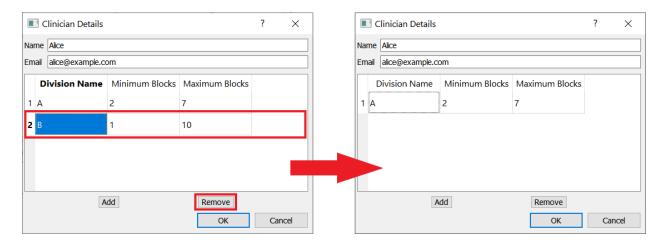


2. Fill out the name, email (optional), and divisions that the clinician will be covering. To add a division you can click on *Add* and a new row will be added to the table which you can fill out. You can set the minimum and maximum number of blocks that a clinician can work in a given division.

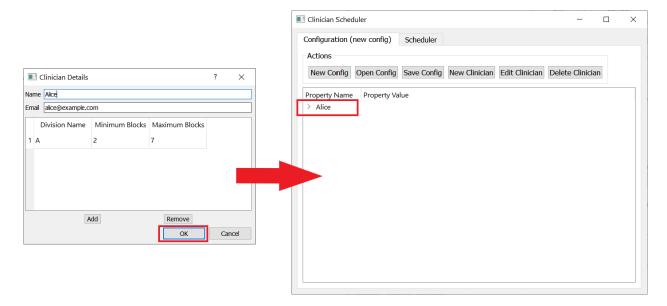
**Note:** A single block corresponds to two weeks.



3. To delete a row from the table, select the row and then click *Remove*.

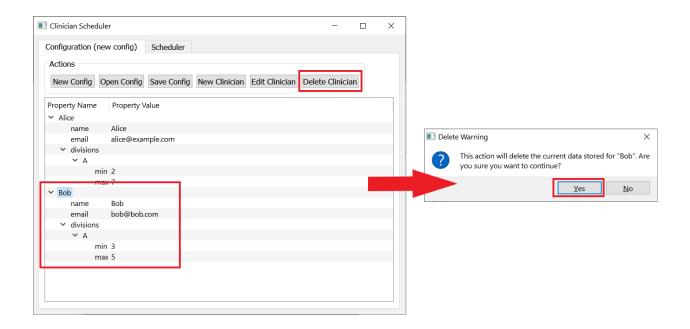


4. When you are finished entering the data for the clinician, click *Ok*. You should now see a new entry in the main table for that clinician.



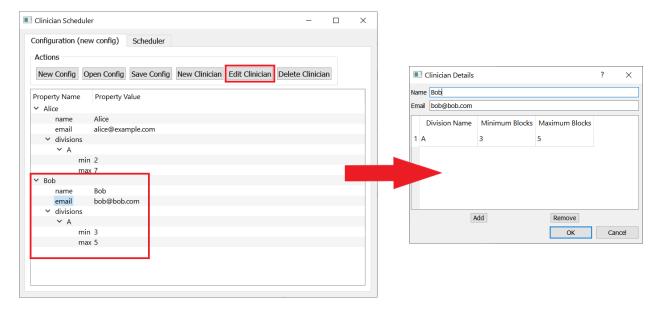
## 1.5 Deleting an existing clinician

To delete an existing clinician, simply select a row corresponding to the clinician in the table and click on *Delete Clinician*.



## 1.6 Editing an existing clinician

To edit the information of a clinician, select a row corresponding to the clinician in the table and click on *Edit Clinician*. You should see a dialog window where you can change the information. For more details on how to enter data in the edit dialog, see *Adding a new clinician*.



**CHAPTER** 

**TWO** 

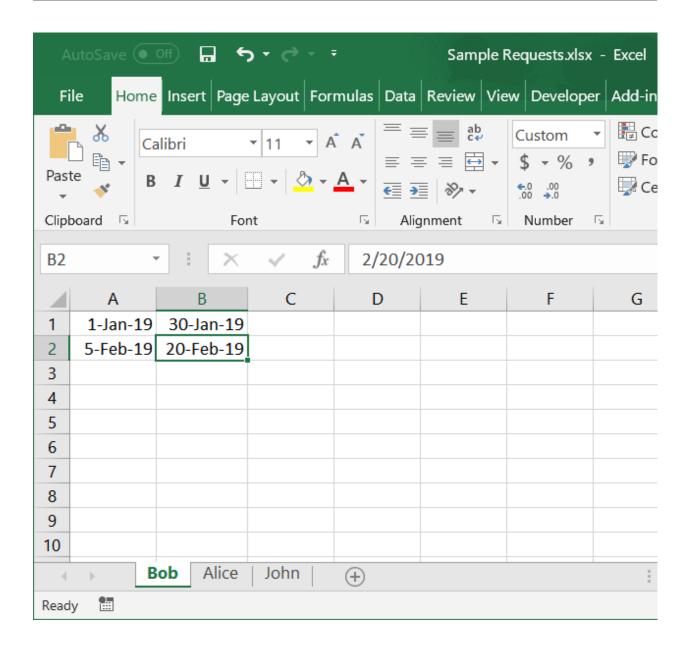
### **REQUESTS & HOLIDAY WEEKENDS**

Clinician requests for time-off and the dates of holiday weekends are supplied using a pair of excel files.

## 2.1 Clinician Requests Excel File

The requests file should have a single sheet per clinician that is in the configuration file you created in *Clinician Configuration*. Inside each sheet, each request is entered on a separate row, containing the start and end date (inclusive) of the request.

Warning: Make sure each value in the Excel file is formatted as a date!

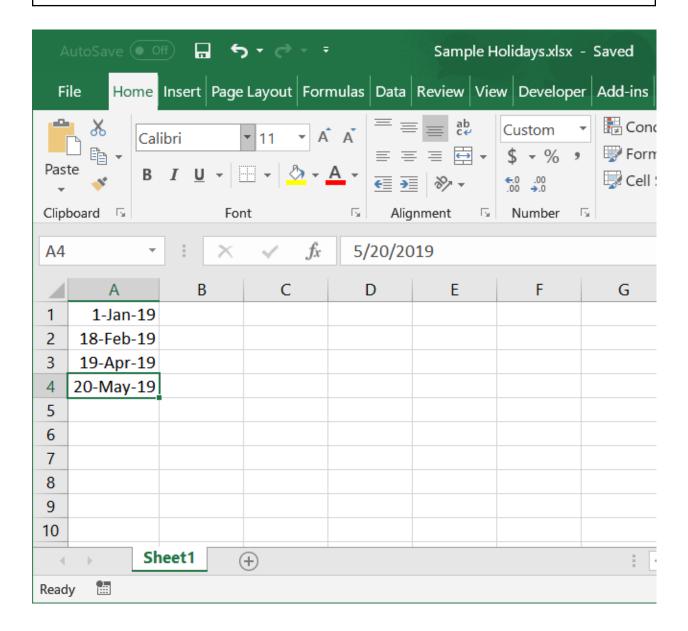


**Note:** To enter a request for a single day, use the same value for both start and end date.

## 2.2 Holiday Weekends Excel File

The holiday weekends file should have a single sheet with the dates of the holiday weekends, one in each row.

Warning: Make sure each value in the Excel file is formatted as a date!



### THREE

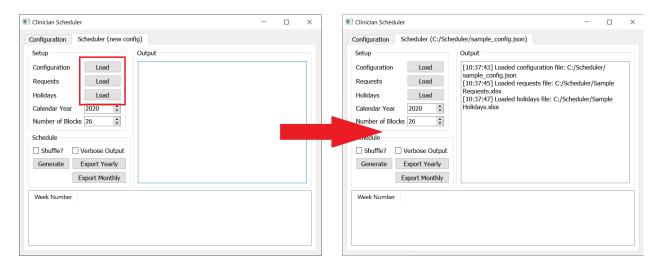
### **SCHEDULING**

## 3.1 Generating a schedule

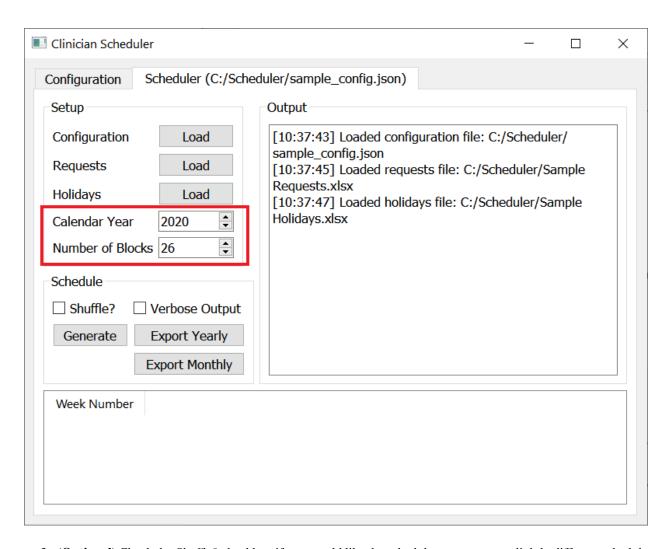
Once you have created a configuration file, you can switch over to the *Scheduler* tab of the application in order to generate a schedule.

1. Load the configuration, requests, and holidays files that you created earlier in *Clinician Configuration* and *Requests & Holiday Weekends*.

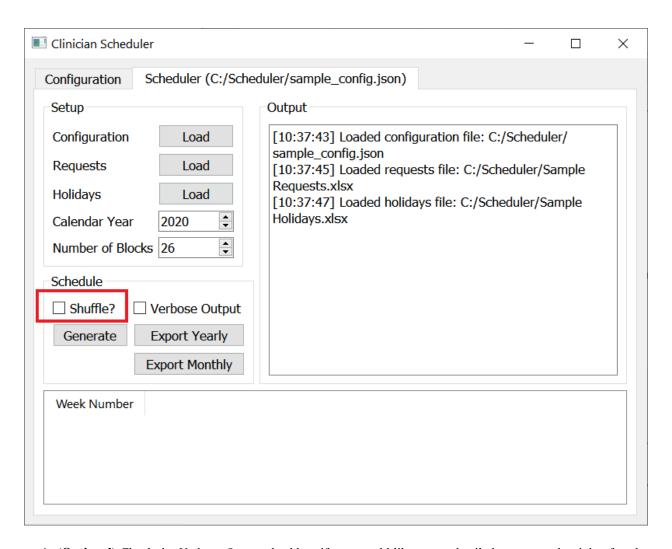
Note: You can be sure that everything loaded correctly by checking the output on the right.



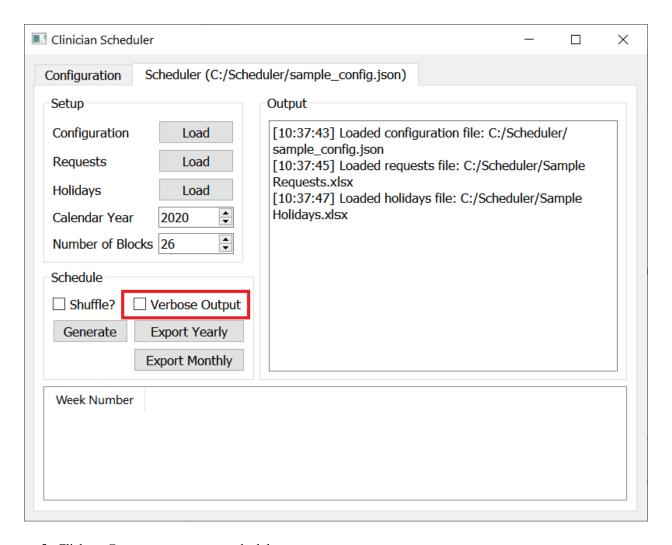
2. Set the starting calendar year for the schedule, as well as the number of 2-week blocks that you want the schedule to cover. By default, the calendar year is the upcoming year, and the number of blocks is 26, to cover a full year.



3. **(Optional)** Check the *Shuffle?* checkbox if you would like the scheduler to generate a slightly different schedule each time you click on *Generate*.

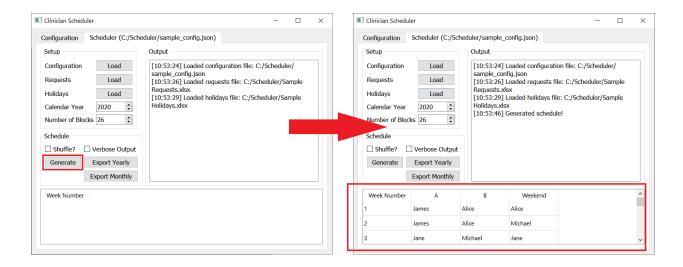


4. (**Optional**) Check the *Verbose Output* checkbox if you would like to see detailed output on the right after the scheduler finishes generating the schedule.



5. Click on *Generate* to generate a schedule.

**Warning:** Depending on the amount of clinicians and requests provided, it may take some time to find an optimal schedule.



**Warning:** It is possible that the scheduler will not be able to come up with a schedule that satisfies your constraints. This can be a result of either of the following reasons:

- There are not enough clinicians to distribute evenly throughout the year
- The minimum and maximum number of blocks of clinicians are too restrictive

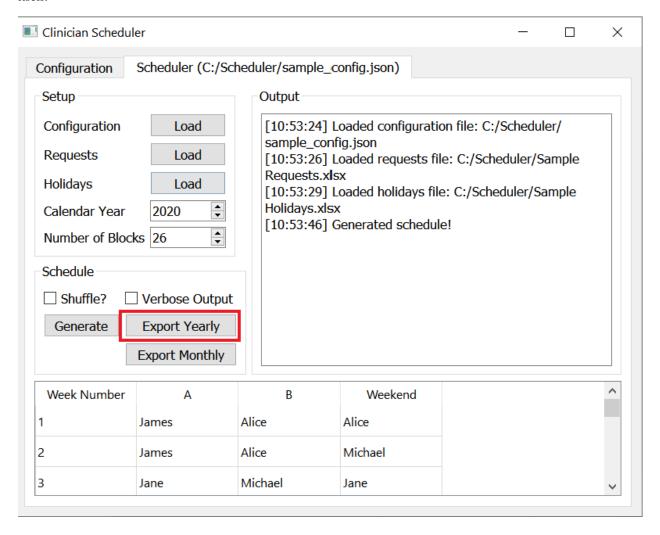
Try changing the configuration file by adding new clinicians, or changing the min/max blocks of different clinicians to allow for more flexibility.

See Clinician Configuration for more information on modifying the configuration file.

## 3.2 Exporting a schedule

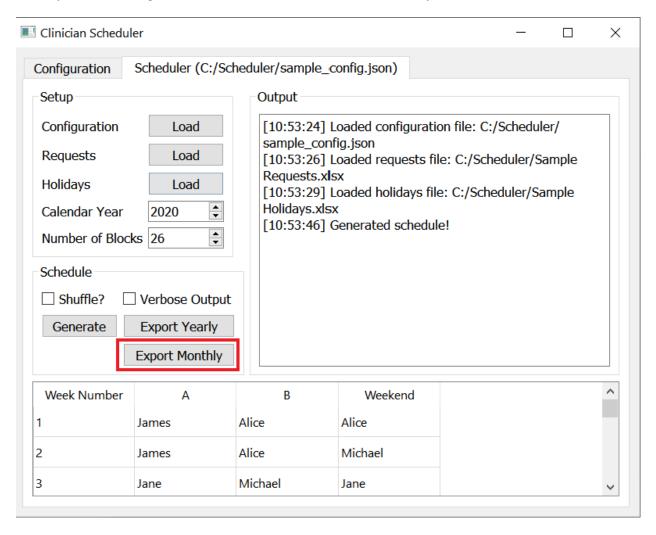
If you are satisfied with the generated schedule, you can choose to export it as an Excel file. There are two Excel format options: *Yearly Export* and *Monthly Export*.

Selecting the *Yearly Export* option will generate an excel file with a single sheet, displaying the clinicians that are covering a particular division for a given week or weekend. It is very similar to the table output in the application itself.



Selecting the Monthly Export option will generate a more detailed breakdown of the schedule, with a separate sheet

for every month, detailing which clinician covers which division on which day.

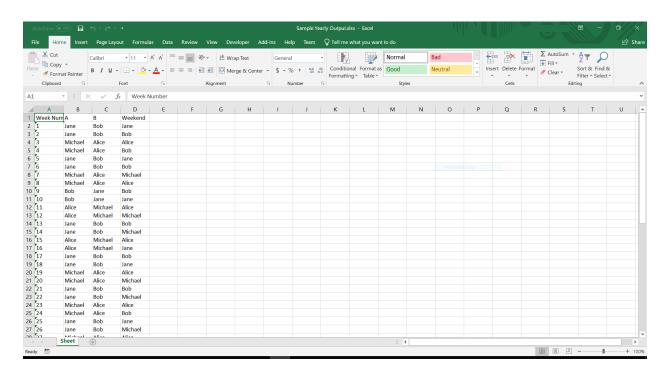


**CHAPTER** 

### **FOUR**

### **SAMPLE OUTPUT**

## 4.1 Yearly Excel Format



## 4.2 Monthly Excel Format

