## Voice Vault

Quick installation Guide

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User Guide

# System Overview

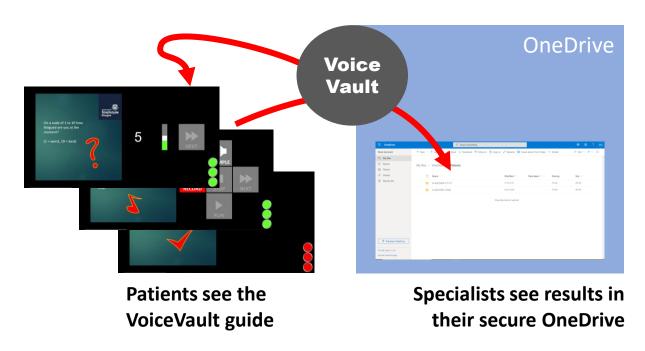
#### What is VoiceVault?

VoiceVault is a web app for recording patient voice and storing results in OneDrive cloud storage. All data is secure and anonymous.

### How does is work?

The voice specialist creates an appointment for the patient and sends the patient a link via email or a messaging app. The patient then clicks on the link and follows the instructions on screen. The patient can use a PC, Mac, tablet or smartphone to complete the test.

The specialist only needs to access their own private OneDrive in order to create appointments and review results. Patients only see the VoiceVault web app. They do not need to give any personal details and they have no access to sensitive data at any time.



# About this guide

This guide contains all information necessary to install and operate VoiceVault once ownership of the Heroku server has been transferred.

### **Quick Installation Guide**

The 7 steps necessary to prepare OneDrive to accept VoiceVault, to configure Heroku, and to authorize VoiceVault for access to OneDrive.

### **User Guide**

The voice specialist is the main user. Appointment creation and results review are covered in this section.

### **Patient View**

A description of the interface presented to the patient when they click on the link sent to them by the voice specialist.

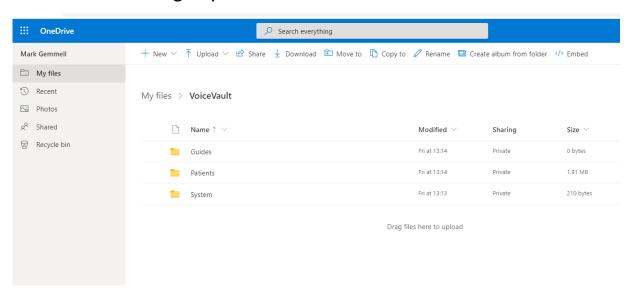
### **System Health**

Mechanisms to help the voice specialist know VoiceVault is operational.

## Prepare your OneDrive for VoiceVault (2 steps):

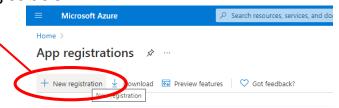
- Create a folder in your OneDrive root folder called "VoiceVault"
- 2. Create three sub-folders in this "VoiceVault" folder: "Guides", "System" and "Patients"

If you have completed this correctly you should be able to see the following in your OneDrive:



### Register VoiceVault to access your OneDrive (4 steps):

- 1. Click <u>here</u> to open app registrations in Microsoft Azure (https://portal.azure.com/#blade/Microsoft AAD RegisteredApps/ApplicationsListBlade)
- 2. Click on "New Registration"



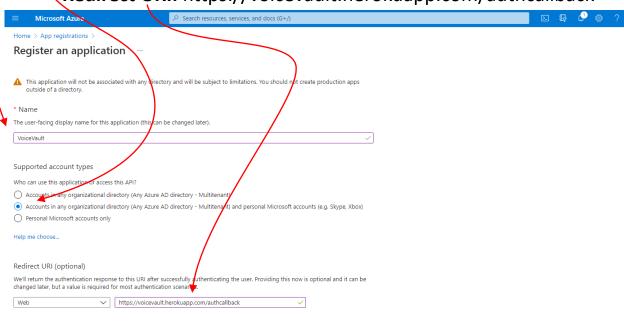
3. Complete the registration form as shown

Name: VoiceVault

**Supported account types:** (select the second option which

covers personal and organizational accounts)

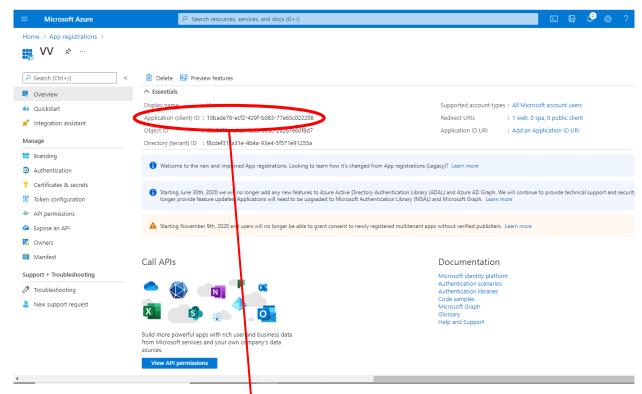
Redirect URI: https://voicevault.herokuapp.com/authcallback



4. Click "Register" to complete

### Obtain the client ID (1 step):

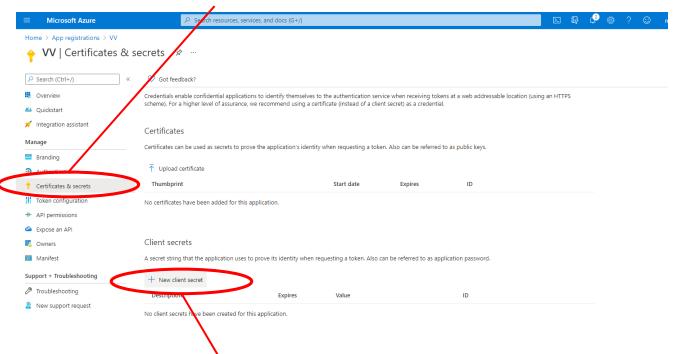
After clicking on "Register" you will be shown the "Overview" screen:



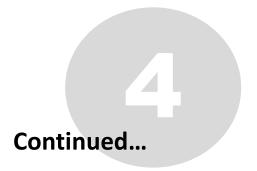
1. Copy the Application (client) ID to a text note. You will need it later.

## Obtain the app "Secret" (4 steps):

Click on "Certificates & Secrets"



2. Click on "New client secret"

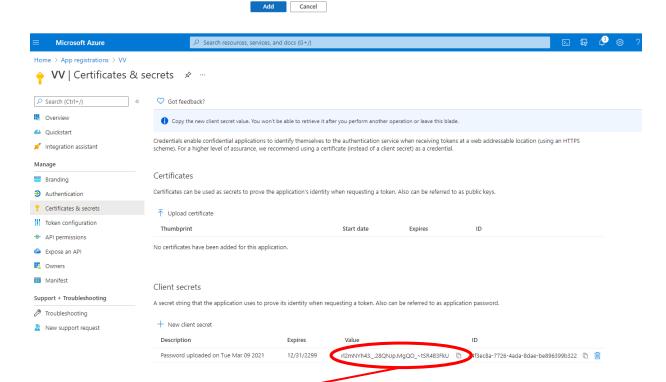


You can leave the description empty. Set secret to never expire and click "Add"

Add a client secret

Description

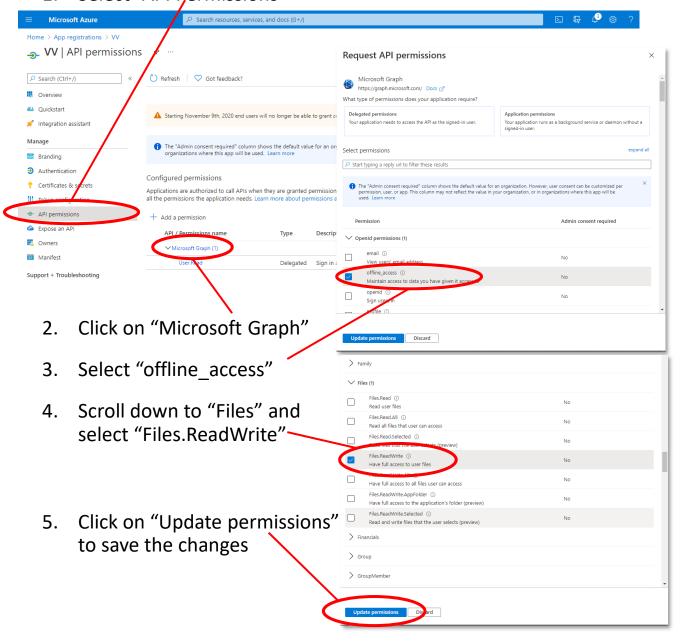
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3. Copy the Secret Value to a text note. You will need it soon.

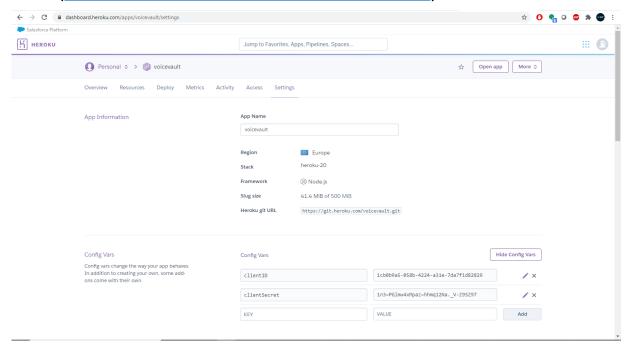
### Set the app permissions (scope) (5 steps):

Select "API Permissions"



### Configure Heroku to access OneDrive (2 steps):

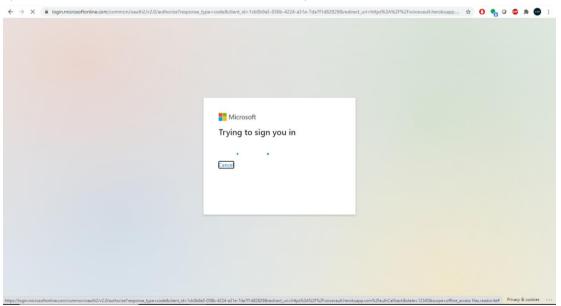
1. Open the heroku <u>settings page</u> for the voicevault app: (https://dashboard.heroku.com/apps/voicevault/settings)



2. Add Config Vars for the KEYs "clientID" and "clientSecret" with the VALUEs copied earlier in this guide. When you click on "Add" the vars are saved.

### **Authorize VoiceVault for OneDrive**

1. Open the VoiceVault <u>authorization page</u>: (<a href="https://voicevault.herokuapp.com/authorize">https://voicevault.herokuapp.com/authorize</a>)



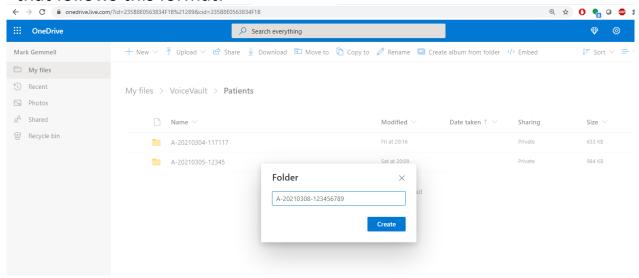
You may need to sign-in to Microsoft with your OneDrive user and password, or it may use a previous sign-in session (as above). Authorization automatically generates an authorization token for VoiceVault once your user is authenticated.

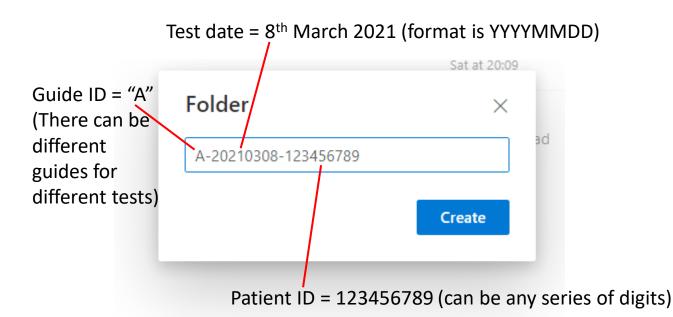
**NOTE:** Authorization tokens generated by Microsoft have a typical lifespan of 90 days. It is recommended that this authorization step be repeated approximately every month. VoiceVault will be unable to attend users if the authorization token is expired.

## User Guide

### Creating a patient test appointment

In the folder /VoiceVault/Paients create a new folder with a name that follows this format:





## User Guide

### Sending the appointment link to the patient

The link for the previous example appointment would be:

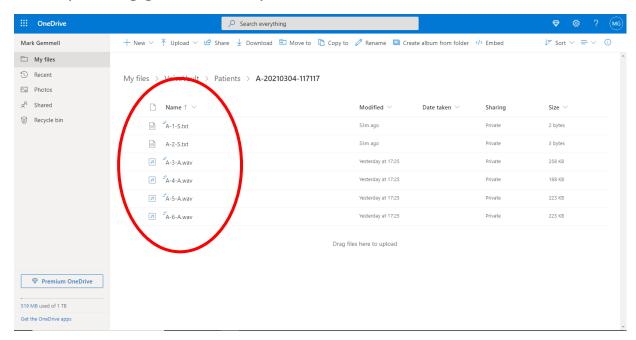
https://voicevault.herokuapp.com/?id=A-20210308-123456789

Simply change the id in the link to be the same as the folder created for the patient appointment.

This can be copied and pasted to an email or other text message.

The patient only needs to click on the link and follow the instructions on screen to complete the test.

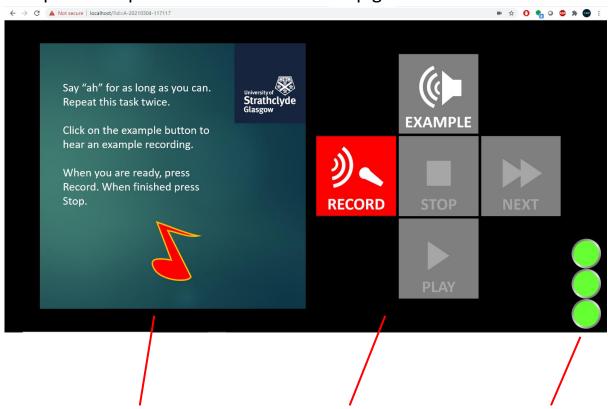
The appointment folder will then contain the patient voice recordings and responses, each response in an individual file with the corresponding guide and step as the filename:



## Patient View

### What the patient sees when they click on the link:

The patient is presented with a multi-step guide similar to this:



#### Instruction area:

Each step in the guide presents a different set of instructions to the patient.

#### **Control area:**

These controls change depending on the task being requested.

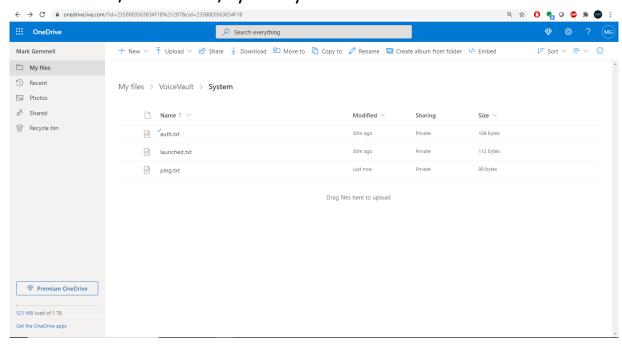
### **System monitor:**

Three green lights indicate all is working well. Any prolonged orange or red lights indicate there is an issue.

# System Health

### Monitoring VoiceVault activity

In the folder /VoiceVault/System you will find three files



auth.txt: Indicates when you last authorized VoiceVault

launched.txt: Indicates when VoiceVault was last started

ping.txt: Is refreshed every minute VoiceVault is active. The app starts automatically when a user connects and goes to sleep after 60 minutes without user activity. It will not update the ping file when sleeping.

**NOTE:** Every month or so VoiceVault will need re-authorization to access OneDrive. See page 11 for details.