



Microsoft Rapid Screening Solution

V4 (2.0.0.7) Deployment Guide

April 26, 2021



Disclaimer

This technical deck is solely provided to help deploy the home screening capability of the Rapid Screening Solution. This should be used in conjunction with your organization's best practices and processes with data privacy, security, and retention policies.

Version 4 (2.0.0.7) – Deployment Steps

1

Download solution 2.0.0.X from GitHub

2

Import solution in DEV environment

**If moving from an older version (ie. 1.0.0.111) then a data migration needs to be performed for the fields "Age Range" and "Role Type"*

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Add home screening locations

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Lessons learned



Download solution 2.0.0.7
from GitHub

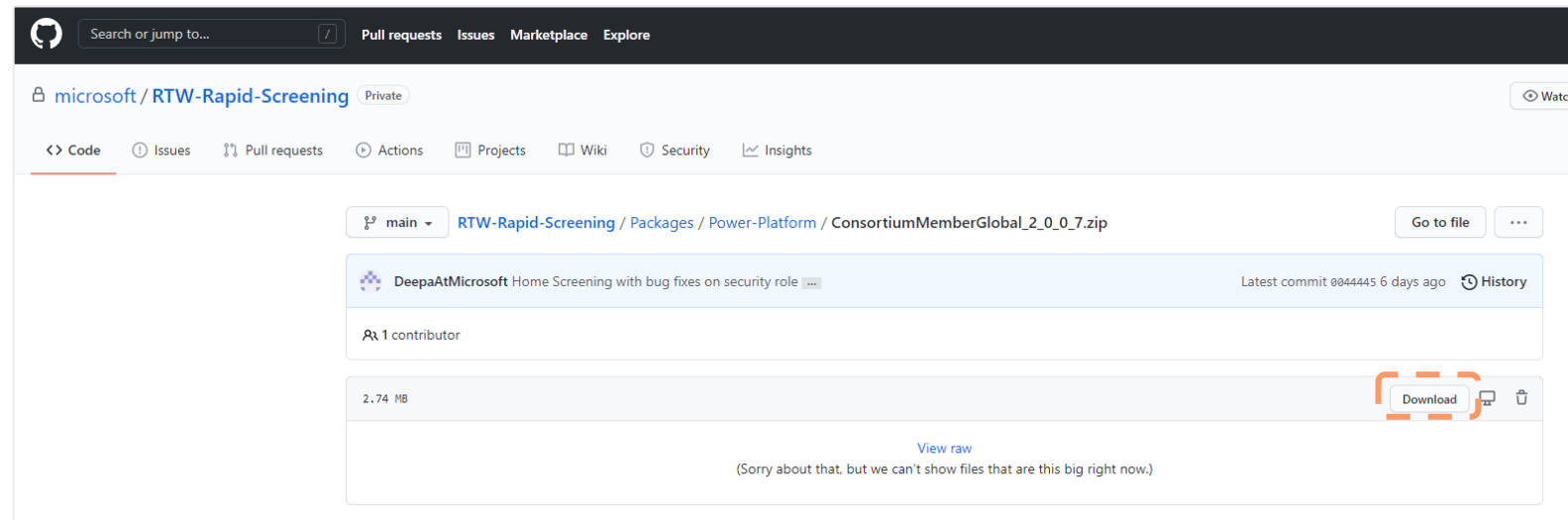
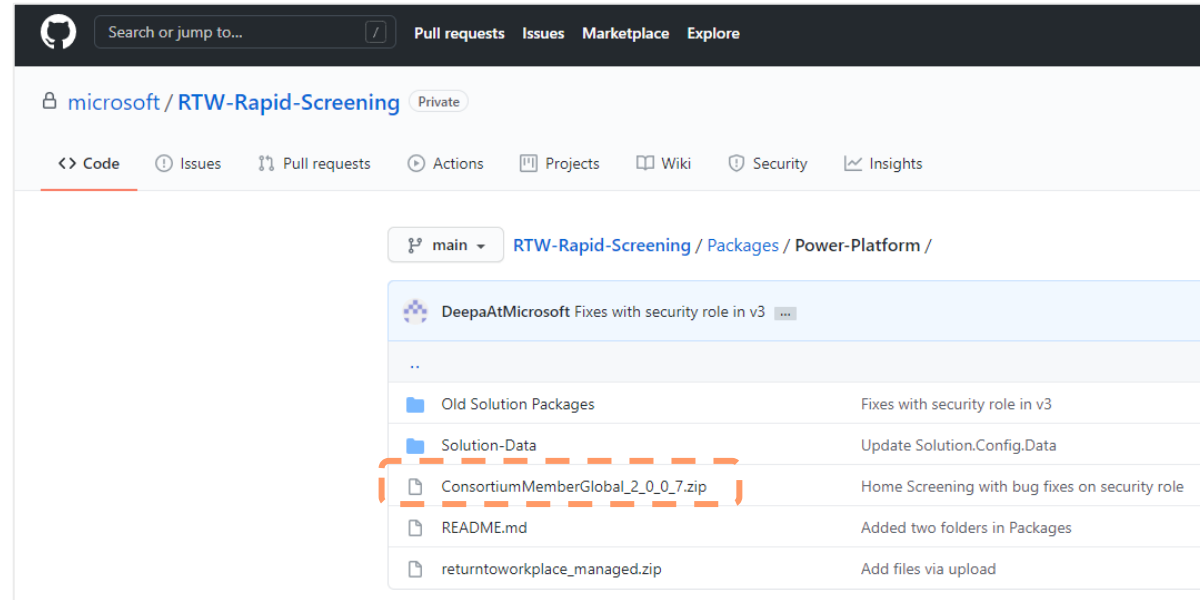
Download solution 2.0.0.7 from GitHub

- Go to <https://github.com/microsoft/RTW-Rapid-Screening/>
- Navigate to Packages/Power Platform
- Click on ConsortiumMemberGlobal_2_0_0_X zip file
- Click on "Download"
- Locate the {V4 solution} zip file

GitHub note:

If you receive an error 404 it means you don't have access to the repository and are required to fill in this [form](#) to gain access.

Once you have submitted the form and your username has been granted access you will receive an email that will provide you the appropriate link.





Import solution in development
environment

Import solution in DEV environment

- A. Go to make.powerapps.com
- B. Navigate to Solutions
- C. Click on "Import"
- D. Click on "Browse"
- E. Locate your {V4 solution} zip file and select it
- F. Click "open"
- G. Click on "next"
- H. Re-establish the connections with the right account
- I. Click on "next"
- J. Enter information for the 2 environment variables (Admin Email Address and Send As Email For Notification Result)
- K. Click on "Import"
- L. Once imported, click on "Publish all customization"

Note: If you are moving from an older version (ie. 1.0.0.111) then a [data migration](#) needs to be performed for the fields "Age Range" and "Role Type"



Display name	Name	Created ↓	Version	Managed externa...	Solution check
Consortium Member	ConsortiumMember	2/22/2021	1.1.20200205.3	🔒	Hasn't been run
Return to the Workplace	returntoworkplace	2/18/2021	1.4.282.1	🔒	Checked by Micr...
Return to the Workplace Solutions	returntoworkplaceso...	2/16/2021	1.4.282.1	🔒	Checked by Micr...
Power Apps Checker Base	msdyn_PowerAppsC...	2/13/2021	1.2.0.34	🔒	Checked by publ...
Power Apps Checker	msdyn_PowerAppsC...	2/13/2021	1.2.0.34	🔒	Checked by publ...
Contextual Help Base	msdyn_ContextualH...	2/13/2021	1.0.0.12	🔒	Checked by publ...
Contextual Help	msdyn_ContextualH...	2/13/2021	1.0.0.12	🔒	Checked by publ...
Common Data Services Default Solution	Cr588b4	2/13/2021	1.0.0.0	🔒	Hasn't been run
Default Solution	Default	2/13/2021	1.0	🔒	Not supported E...

3

Add home screening locations

Add home screening locations

- A. Open Facility Management App
- B. Go to Facilities
- C. Click on "New"
- D. Add the follow information
- E. Facility Number: ie.100
- F. Name: ie. Home screening - ONT
- G. Facility Type:
- H. Add new facility type
- I. Type: ie.Home screening
- J. Save
- K. Go back
- L. Repeat C and D for all home screening provinces



The screenshot shows the Microsoft Dynamics 365 Facility Management app interface. The left sidebar contains a navigation menu with the following items: Home, Recent, Pinned, Facility Management (selected), Facilities, Facility Groups, Facility Types, Reopen Readiness, Phase Transitions, Employee, Employee Attestations, Employee Sentiment, Employee Bookings, Employee Visits, Guest, Guest Attestations, and Guest Registrations. The main area displays a table titled 'My Facilities' with columns for Number, Name, Type, Group, and Reopen Phase. Two facilities are listed: Montreal and Toronto, both as Screening Sites in Canada. The bottom of the screen shows the Windows taskbar with various application icons and the system clock at 12:08 PM on 2021-04-22.

Number	Name	Type	Group	Reopen Phase
1	Montreal	Screening Site	Canada	Phase 4 - New normal
2	Toronto	Screening Site	Canada	Phase 4 - New normal



Perform configurations

Home screening has 13 configurations.

Configuration 1 to 4

Enable or disable home screening features in the solution settings.

- Go to **Facility Management App/Solution Setup/Solution Settings**
- Select the Solution Setting
- Select a home screening facility
- Define
 1. Allow Self Screening
 2. Need To Attest For Self Screening
 3. Photo Mandatory For Self Screening
 4. Self Screening Consent
- Repeat for each home screening facilities

Registrations	No
Allow Share Guest Registration	No
1 Allow Self Screening	Yes
Mask Employee Info In Pass	No
Mask Employee Info In Screening App	No
Hide Phone Number For Employees	No
Hide Personal Email For Employees	No
2 Need To Attest For Self Screening	Yes
3 Photo Mandatory For Self Screening	Yes

4

Self Screening Consent

Self-Screening Consent.....

Opt Out Of Program Message

* You have not provided your consent to the collection, use and sharing of your personal data. In order to continue using the Rapid Screening Application please change your Privacy Consent answer to Yes. Otherwise please exit the application.

Email Body For Result Email

* Thank you for participating to the Employee Screening Pilot Program. Please be advised that your screening result is now available. Please review the attached document for your result.

Configuration 5

Add videos and images to the repository of your choice (Azure Media Services, YouTube or Microsoft Stream).

- 5A. For Microsoft Streams usage:
- Go to **Solution/Consortium Member Global/Use Streams for Videos**
 - Set the default value to **yes**
 - Input link to videos in configuration 10

Edit Use Streams for Videos

Use this variable to store information about an app or flow. Its values can be updated as it moves to different environments. [Learn more](#)

Display name *

Use Streams for Videos

Name * ⓘ

cdl_UseStreamsforVideos

Description

If the value is yes, the app will use video cont...

Data Type *

Yes/No

Default Value ⓘ

Yes

Current Value

Override the default value by setting the current value for your environment.

+ New value

Save

Cancel

or

- 5B. For Azure Media Services or YouTube usage:
- Go to **Solution/Consortium Member Global/Use Streams for Videos**
 - Set the default value to **no**
 - Input link to videos in configuration 10

Edit Use Streams for Videos

Use this variable to store information about an app or flow. Its values can be updated as it moves to different environments. [Learn more](#)

Display name *

Use Streams for Videos

Name * ⓘ

cdl_UseStreamsforVideos

Description

If the value is yes, the app will use video cont...

Data Type *

Yes/No

Default Value ⓘ

No

Current Value

Override the default value by setting the current value for your environment.

+ New value

Save

Cancel

Configuration 6 & 7

Define time range to input screening result.

6. Minimum Timer

- Go to **Solution/Consortium Member Global/SelfScreening Wait Time In Minutes**
- Define minimum time required to input screening result

Edit SelfScreen Wait Time In... ✕

Use this variable to store information about an app or flow. Its values can be updated as it moves to different environments. [Learn more](#)

Display name *
SelfScreen Wait Time In Minutes

Name * ⓘ
cdl_SelfScreenMinWaitTime

Description
Minimum Self Screen Wait time in minutes

Data Type *
Text

Default Value ⓘ
15

Current Value
Override the default value by setting the current value for your environment.
.10

ⓘ Remove this value before exporting if it shouldn't be used in other environments

Save Cancel

and

7. Maximum Timer

- Go to **Solution/Consortium Member Global/SelfScreening Time Out In Minutes**
- Define maximum time allowed to input screening result

Edit SelfScreen Time Out In ... ✕

Use this variable to store information about an app or flow. Its values can be updated as it moves to different environments. [Learn more](#)

Display name *
SelfScreen Time Out In Minutes

Name * ⓘ
cdl_SelfScreenTimeOutInMinutes

Description
The number of minutes the end user needs t...

Data Type *
Text

Default Value ⓘ
120

Current Value
Override the default value by setting the current value for your environment.
2

ⓘ Remove this value before exporting if it shouldn't be used in other environments

Save Cancel

Keep the
default value

Or

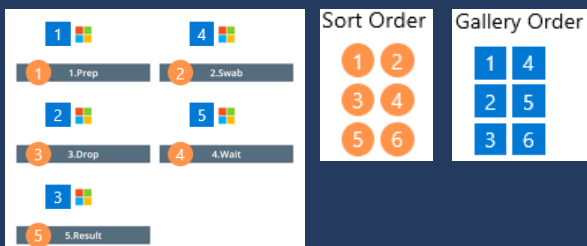
Add a
different
value

Configuration 8 to 12

- A. Go to Solution/Consortium Member Global/SelfScreening Videos
- B. Select Data
- C. Add new record information
- D. 8. Testing Type
9. Sort Order
10. Gallery Order
11. Video link
- E. Click on Save
(Once refreshed you will be able to upload the image)

12. Image link
- F. Publish all customizations

Reference for sort and gallery order



The screenshot shows the Microsoft Power Apps 'Solutions' page. The browser address bar displays the URL: <https://make.powerapps.com/environments/28135e40-6d38-44ac-96fd-0420973a3c1d/solutions>. The page title is 'Power Apps'. The left sidebar shows the navigation menu with 'Solutions' selected. The main content area displays a table of solutions.

Display name	Name	Created ↓	Version	Managed externa...	Solution check
Consortium Member Global	ConsortiumMember...	4/22/2021	2.0.0.7	🔒	Hasn't been run
Consortium Member	ConsortiumMember	2/22/2021	1.1.20200205.3	🔒	Hasn't been run
Return to the Workplace	returntoworkplace	2/18/2021	1.4.282.1	🔒	Checked by Micr...
Return to the Workplace Solutions	returntoworkplaceso...	2/18/2021	1.4.282.1	🔒	Checked by Micr...
Power Apps Checker Base	msdyn_PowerAppsC...	2/13/2021	1.2.0.34	🔒	Checked by publ...
Power Apps Checker	msdyn_PowerAppsC...	2/13/2021	1.2.0.34	🔒	Checked by publ...
Contextual Help Base	msdyn_ContextualH...	2/13/2021	1.0.0.12	🔒	Checked by publ...
Contextual Help	msdyn_ContextualH...	2/13/2021	1.0.0.12	🔒	Checked by publ...
Common Data Services Default Solution	Cr588b4	2/13/2021	1.0.0.0	🔒	Hasn't been run
Default Solution	Default	2/13/2021	1.0	🔒	Not supported f...

The bottom of the screenshot shows the Windows taskbar with various application icons and the system clock displaying 12:16 PM on 2021-04-22.



Correct branding if required

Adjusting the branding at your own discretion. If you do, we suggest to test and ensure artifacts are in their desired position.

6

Deploy the solution to UAT
environment

Deploy the solution to UAT environment

Export the solution from the **development environment**

- A. Go to make.powerapps.com
- B. Select your development environment
- C. Navigate to Solutions
- D. Select your {V4 solution}
- E. Click on "Export"
- F. Click on "Publish"
- G. Click on "Next"
- H. Keep version number as is
- I. Select export as "Unmanaged"
- J. Click on "Export"
- K. Locate the downloaded zip file

Import the solution from the **UAT environment**

- A. Go to make.powerapps.com
- B. Navigate to Solutions
- C. Click on "Import"
- D. Click on "Browse"
- E. Locate your {V4 solution} zip file and select it
- F. Click "open"
- G. Click on "next"
- H. Re-establish the connections with the right account
- I. Click on "next"
- J. Enter information for the 2 environment variables (Admin Email Address and Send As Email For Notification Result)
- K. Click on "Import"
- L. Once imported, click on "Publish all customization"



User testing

Perform all test cases both in a [suggested browser](#) and using a [supported mobile device](#) (if allowed by your organization) and for all available languages.

Test Case 1

Exercise:

Employee profile home screening "work location" impact on in-person booking

Steps:

In the Employee App

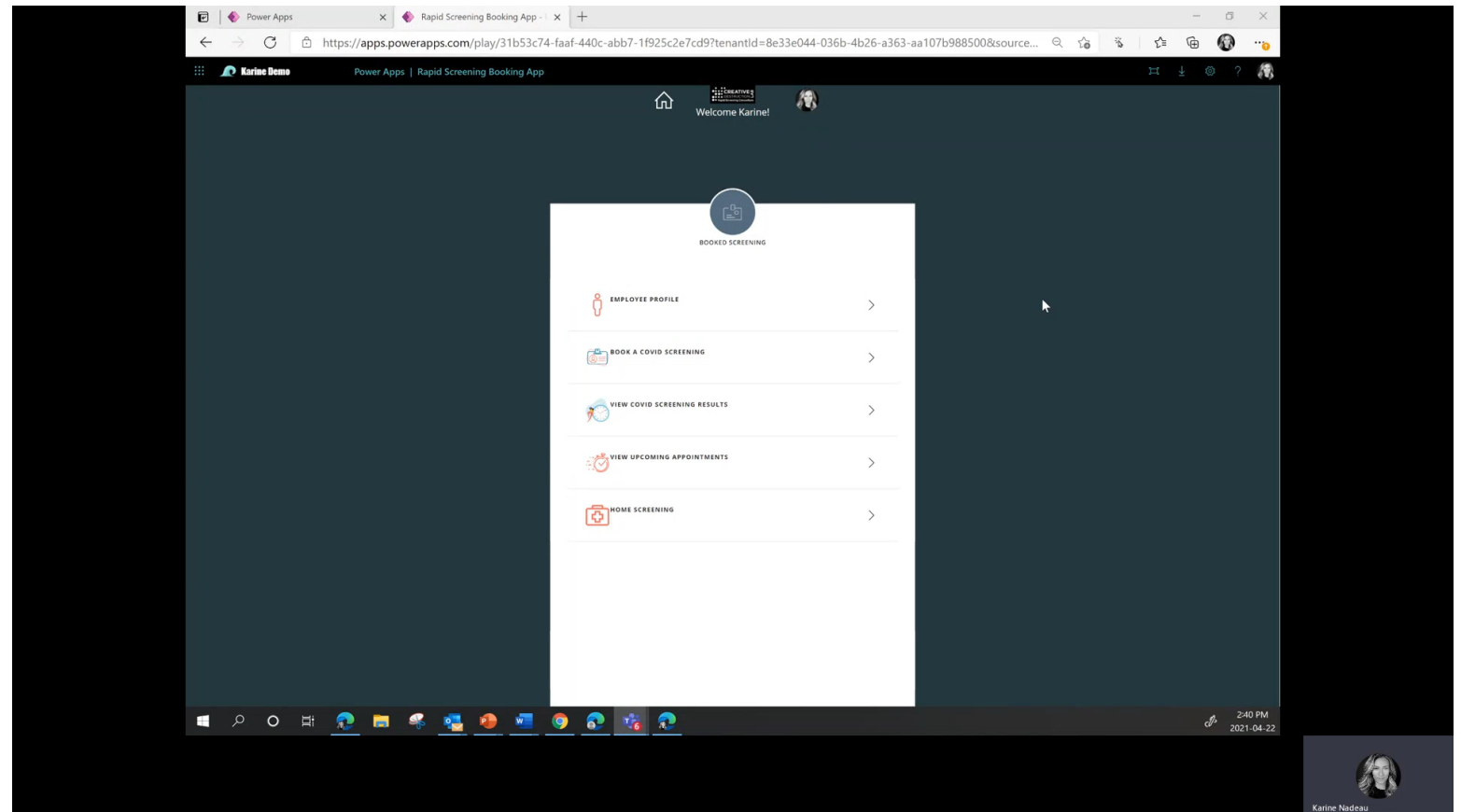
1. Click on EMPLOYEE PROFILE
2. Select a home screening location for workplace location
3. Click on Confirm
4. Click on Save
5. Click on BOOK A COVID SCREENING
6. Click on the saved home screening location

Repeat:

Test behavior for all home screening locations

Checklist:

- ☐ Employee Profile, defined home screening locations are part of the workplace location drop down
- ☐ When you try to book a screening there are no timeslots



Test Case 2

Exercise:

Disagree/agree to the home screening consent in the Employee Profile.

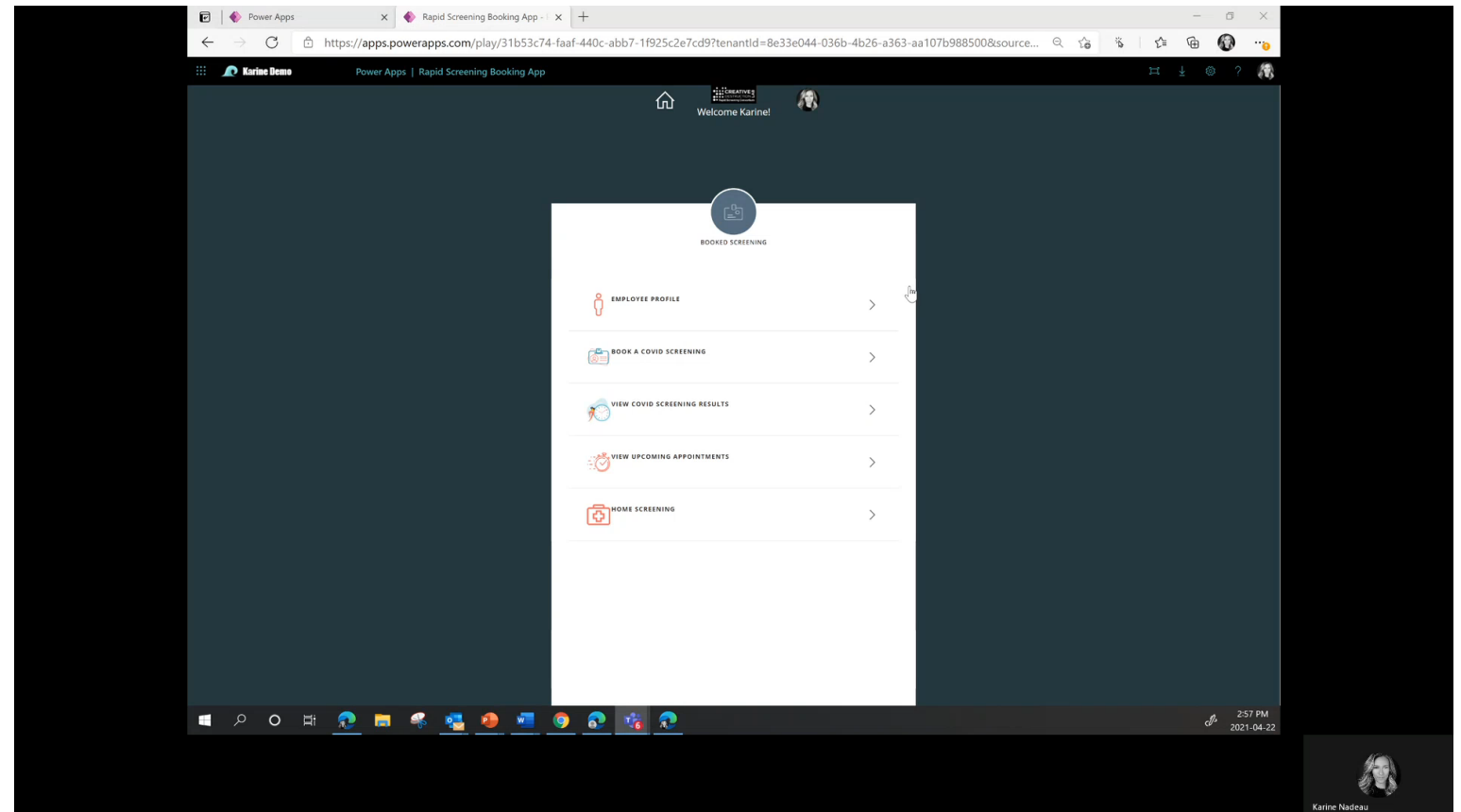
Steps:

In the Employee App

1. Click on EMPLOYEE PROFILE
2. Make sure the home screening consent is unchecked
3. Click on Confirm
4. Click on Save
5. Click on HOME SCREENING
6. Click on I DISAGREE
7. Redo step 1 to 5
8. Click on I AGREE

Checklist:

- ☐ Employee Profile, when home screening isn't consented then the consent is triggered when you go to home screening
- ☐ Employee Profile, when home screening is consented then the test type drop down is shown when you go to home screening
- ☐ When you don't consent through home screening then the Employee Profile shows the home screening consent as unchecked
- ☐ When you consent through home screening then the Employee Profile shows the home screening consent as checked



Test Case 3

Exercise:

Start home screening and disagree/agree to attestation and ensure steps, images and videos are working properly.

Steps:

In the Employee App

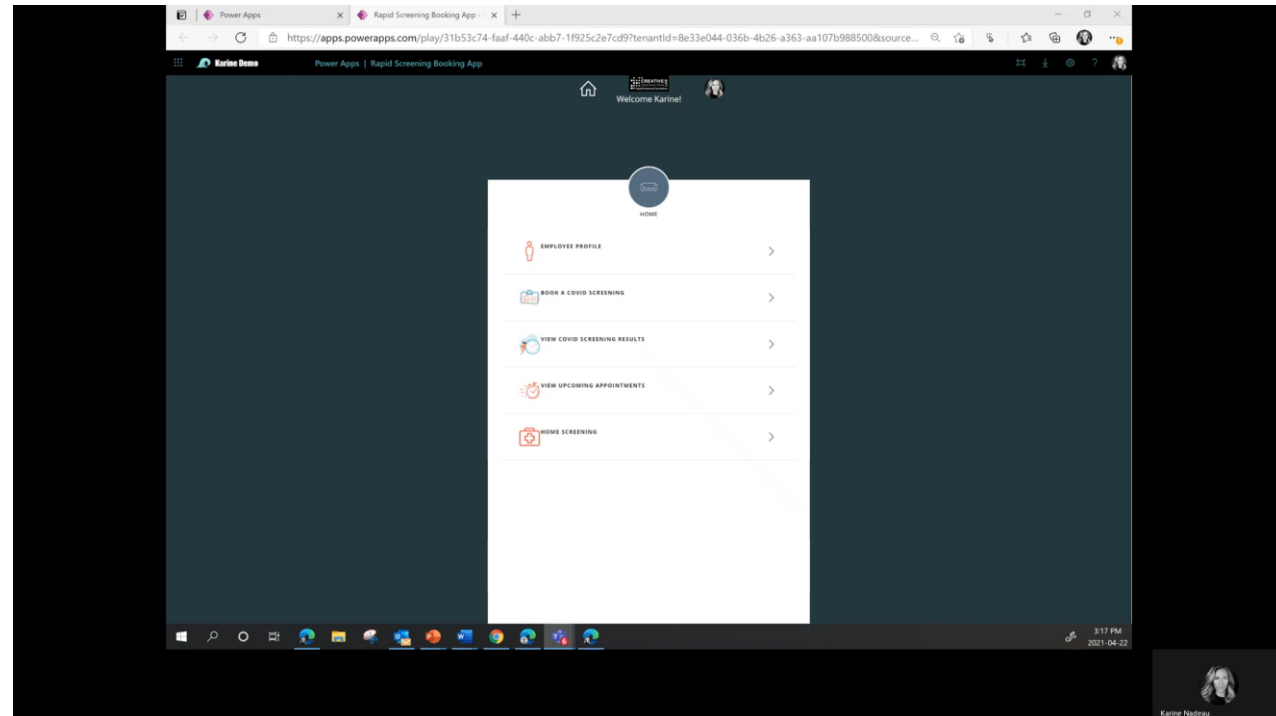
1. Click on HOME SCREENING
2. Select a test type
3. Click on step 1 and navigate through videos
4. Click on Start Screening
5. Click on I DISAGREE
6. Click on I DISAGREE
7. Click on the X
8. Redo step 1 to 4
9. Click on I AGREE
10. Click on Start Timer
11. Input test result as negative
12. Click on Take a photo
13. Click on Retake
14. Click on Save & go back
15. Click on Review & Save
16. Click on Edit
17. Redo step 14 and 15
18. Click on Save

Repeat:

Test behavior for all test types.
Test behavior for all test results.

Checklist:

- ☐ Test type list, steps titles and images are accurate, and the video navigation works properly
- ☐ When you disagree to the attestation you get a pop-up then the "Looks like you aren't feeling well" message and you shouldn't have any appointments in your booking list
- ☐ Timer is going down properly
- ☐ When timer is up, button shows "Time is up", is greyed out and unclickable
- ☐ Only when timer is up, the result drop down and "take photo" button are enabled
- ☐ Clicking or tapping in the middle of the photo control takes a photo and "Retake" button removes previous photo and allow taking a new photo
- ☐ "Edit" allows you to change your result and photo
- ☐ The result drop down shows all possible result (ie. negative, presumptive positive, inconclusive)
- ☐ The last screen shows the proper verbiage to the screening result



Test Case 4

Exercise:

Test the timer behavior as you get out of the app and come back in and out of the allowed time range (*for the demo minimum is 10 seconds and maximum is 30 seconds*).

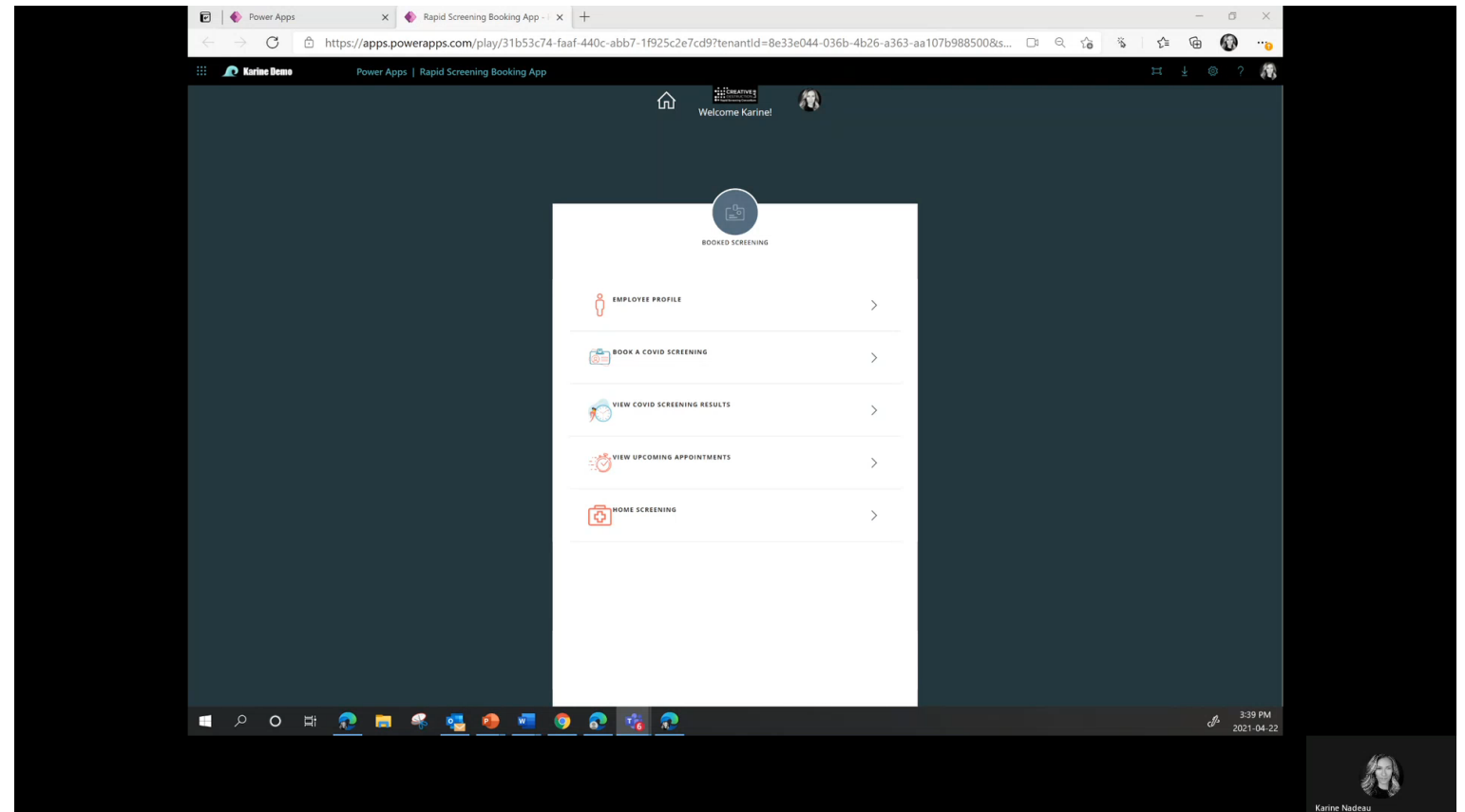
Steps:

In the Employee App

1. Click on HOME SCREENING
2. Select a test type
3. Click on Start Screening
4. Click on I AGREE
5. Click on Start Timer
6. Close the pop-up
7. Go back home
8. Click on VIEW COVID SCREENING RESULTS
9. Click on Input Result
10. Wait until you are over the time threshold
11. Select your test result
12. Take a photo
13. Click on Review & Save
14. Click on Save
15. Redo step 1 to 9
16. Remind between the time threshold
17. Select your test result
18. Take a photo
19. Click on Review & Save
20. Click on Save

Checklist:

- ☐ Timer is going down properly
- ☐ In VIEW COVID SCREENING RESULTS the Input Result is available
- ☐ The last screen shows the proper verbiage to the screening result when in and out of time threshold



Test Case 5

Exercise:

Ensure screenings locations are properly tagged.

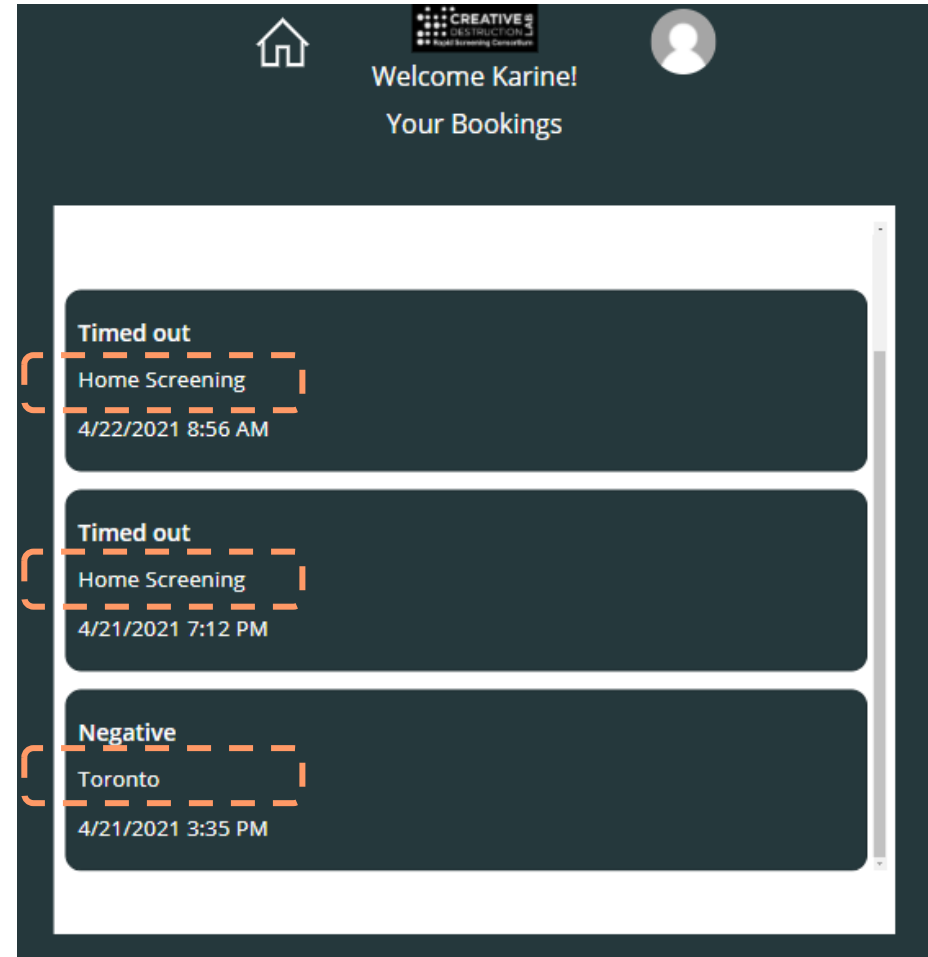
Steps:

In the Employee App

1. Click on VIEW COVID SCREENING RESULTS

Checklist:

- ☐ VIEW COVID SCREENING RESULTS shows the proper location for each bookings



Test Case 6

Exercise:

Validate the data history.

Dataverse validation steps:

In DEV environment

1. Go to Solutions/Consortium Member Global
2. Filter by Table
3. Click on Screening
4. Click on Data

In UAT environment

4. Go to Solutions/Consortium Member Global
5. Filter by Table
6. Click on Screening
7. Click on Data
8. Compare those two
9. Do the same for UAT and PROD

Repeat:

Repeat this for the Employee Booking table

Employee profile validation steps:

In DEV environment

10. Open the Employee App
11. Click on EMPLOYEE PROFILE

In UAT environment

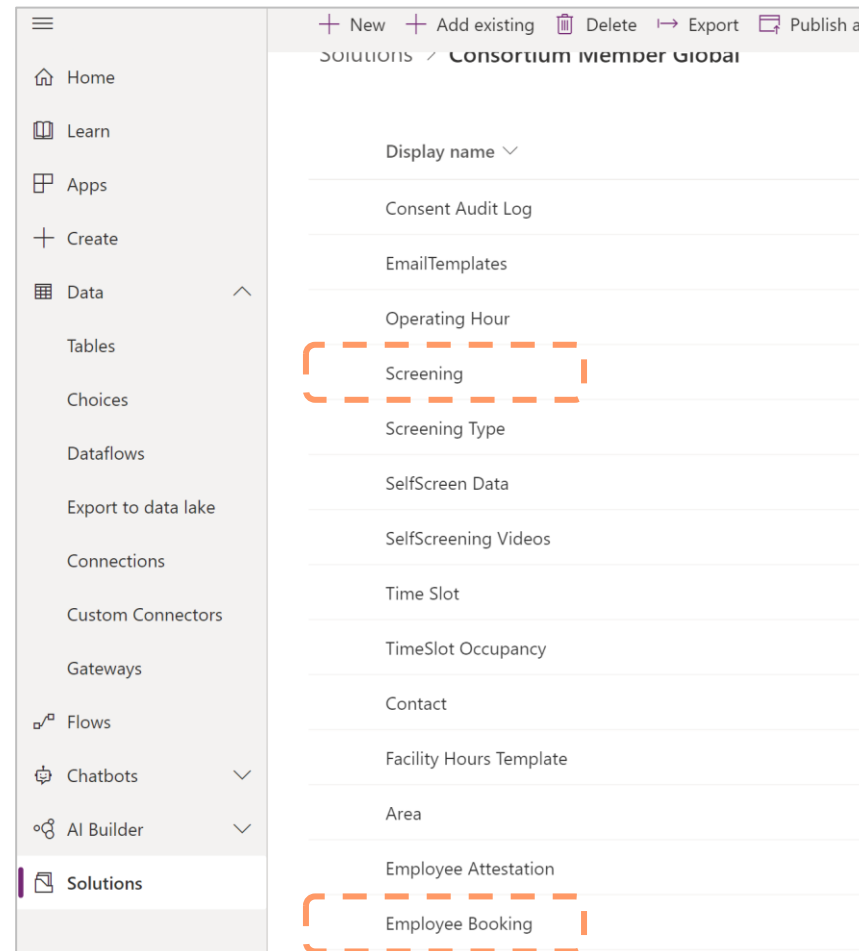
12. Open the Employee App
13. Click on EMPLOYEE PROFILE
14. Compare those two profiles (same user)
15. Do the same for UAT and PROD

Repeat:

Repeat this for different users

Checklist:

- ☐ Screening history is maintained before and after deployment
- ☐ Booking history is maintained before and after deployment – ie. if there were future bookings, they should still be there post deployment
- ☐ Employee Profile has the same information before and after deployment – ie. Age range was 26-35 before and is still showing after





Deploy the solution to PROD
environment

Deploy the solution to PROD environment

Export the solution from the **UAT environment**

- A. Go to make.powerapps.com
- B. Select your development environment
- C. Navigate to Solutions
- D. Select your {V4 solution}
- E. Click on "Export"
- F. Click on "Publish"
- G. Click on "Next"
- H. Keep version number as is
- I. Select export as "Unmanaged"
- J. Click on "Export"
- K. Locate the downloaded zip file

Import the solution from the **PROD environment**

- A. Go to make.powerapps.com
- B. Navigate to Solutions
- C. Click on "Import"
- D. Click on "Browse"
- E. Locate your {V4 solution} zip file and select it
- F. Click "open"
- G. Click on "next"
- H. Re-establish the connections with the right account
- I. Click on "next"
- J. Enter information for the 2 environment variables (Admin Email Address and Send As Email For Notification Result)
- K. Click on "Import"



Use data migration tool to input
data to production

Use data migration tool to input data to production

(automatic method)

Using the data migration tool (automatic method)

Dataverse [Web API](#) works with any technology that supports OData and OAuth. There are many options available to move data in and out of Dataverse. OData connector is one of the dataflows, which is designed to support migration and synchronization of large datasets in Dataverse.

Refer to this [article](#) for a walkthrough on how to migrate data between Dataverse environments using the dataflows OData connector.

Steps:

1. Go to GitHub
2. Go to RTW-Rapid-Screening-main\Packages\Power-Platform\Solution-Data\ConfigurationMigrationTool
3. Run the DataMigrationUtility.exe
4. Select "Import data" in Data Migration tool.
5. Select Office365 on the next screen and then login.
6. Select the correct environment (development) from the list
7. Select the zip file named "Solution.Config.Data.zip" from the downloaded GitHub package and then click import data:
8. Close the application once the import is completed.

For more details, please view section 5.Solution Data Configuration of our full deployment guide on GitHub at: [RTW-Rapid-Screening Documentation](#)

Use data migration tool to input data to production

(manual method)

Using data migration manual method)

Please refer to section "5.Solution Data Configuration" of our full deployment guide on GitHub at: [RTW-Rapid-Screening Documentation](#)

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Lessons learned

Lessons learned

- During the push to production ensure users are not booking screenings
- Ensure all testing is performed for home screening features before pushing to production
- Ensure data history validation is performed
- Strongly suggest partner accompaniment

Feedback

We are always looking to improve our documentation. If you have feedback and/or suggestions, please email us at:
RapidScreeningSolution@service.microsoft.com

