



# Singpass MyInfo

Support with Salesforce

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# What is Singpass MyInfo

Myinfo enables Singapore citizens and residents to manage the use of their personal data for simpler online transactions.

Users can share their data by providing consent via Singpass and organisations no longer have to deal with manual data management.

The Singpass logo, featuring the word "singpass" in a bold, sans-serif font. The "i" is black, and the rest of the letters are red. The logo is positioned on the left side of the slide, overlaid on a light blue curved background that transitions into a dark blue horizontal bar at the bottom.

**singpass**

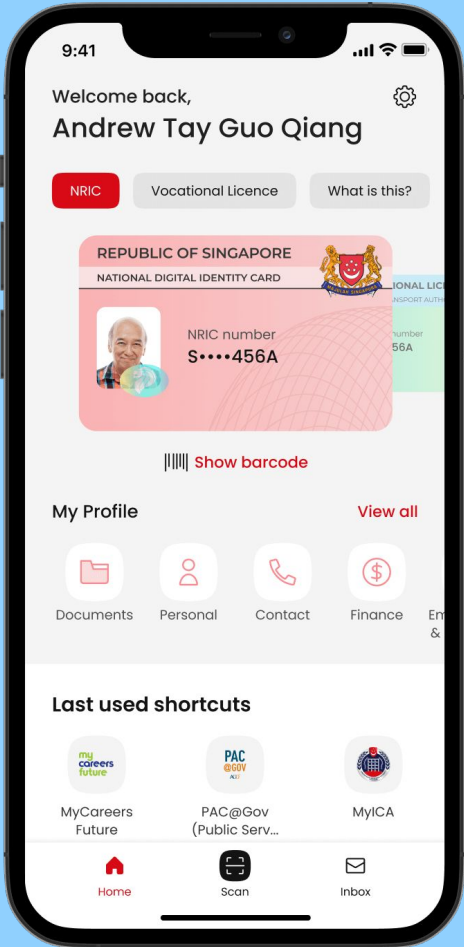
# Objectives

What did we aim for?

This guide is meant to give you a high-level view of how you could implement a MyInfo workflow for Salesforce Experience Cloud leveraging SingPass MyInfo for B2C or G2C use cases in Singapore.

It's based on hands-on experiences conducted in the second half of 2021 and early 2022.

Use this as a base or source of inspiration, making your own enquiries and decisions based on what's right for your particular use case.





# Foreword

Singpass MyInfo is non trivial data sharing/consent technology.

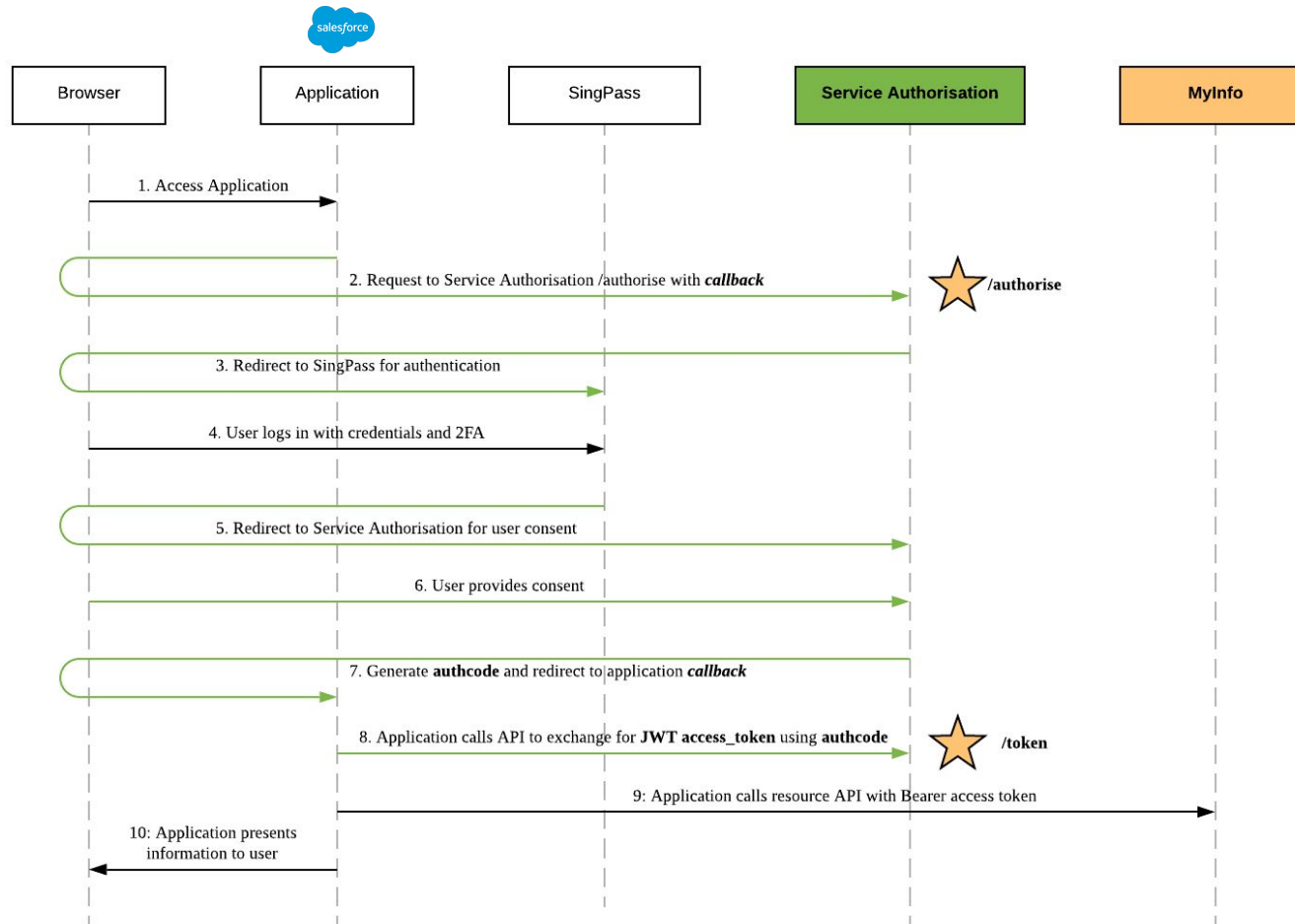
It features a few provisions you need to be aware of, including owning your own domain and SSL certificate from a tier 1 vendor.

We urge you to thoroughly review the available [documentation](#) from the Government of Singapore (including detailed specifications) before attempting to go through this guide and starting implementation.

A good understanding of JWT, Encryption and Signature is of an advantage.

# End to end MyInfo workflow

## Summary



Source: <https://api.singpass.gov.sg/library/myinfo/developers/overview>

# End to end MyInfo workflow

## Considerations

Singpass MyInfo is essentially an OAuth based API flow, which means it uses Singpass' own UI you are being directed to prior to 'calling back' the client system, here Salesforce on a fixed URI.

The drawback is that MyInfo cannot really be used as part of a Flow since the callback would lose the flow context; but it could be leveraged prior to a Flow when you know you'll need personal data from MyInfo.

You could in theory build a reusable workflow in Salesforce that would do the MyInfo authentication and then feed it as an input parameter to any Flow.

Here we have illustrated the approach with a custom LWC sitting on a specific Experience Cloud page. This could be revisited with little effort to achieve genericity as explained above, e.g. by packing additional information like the flow to be executed next in the state data sent to MyInfo and back to Salesforce. You'd need to implement this as an Aura component vs. LWC, though.



**SingPass**  
Custom Auth. Provider

**SingPassAuthProvider**  
Apex Class

**ndi\_auth**  
Visualforce Page

**ndi\_auth\_cb**  
Visualforce Page

**jwtks**  
Visualforce Page

# End to end login workflow

## Breakdown

Our suggestion to break down the end to end workflow as follows:

1. Create an Experience Cloud Page to be used as Callback by Singpass
2. Drop a custom LWC named **Singpass\_PersonProfile** supported by the **Singpass\_MyInfoController** Apex class
3. We've further broken down the logic into **Singpass\_MyInfoClient** and **Singpass\_JWT** classes.
4. Singpass sends the Person data as a signed JWT encrypted with AES 128 or 256 CGM; as this algorithm is not supported in Apex, you will need to offload decryption to Salesforce Functions (preferred) or Heroku. Refer to **Singpass\_MyInfoController.decodePersonBody** for more details.



**SingPass\_PersonProfile**  
LWC

**Singpass\_MyInfoController**  
Apex Class

**Singpass\_MyInfoClient**  
Apex Class

**Singpass\_JWT**  
Apex Class

# Further Resources



Code Snippets for  
Salesforce and Heroku

[GitHub Repository](#)



JWT, JWS, etc...

[Beginner's guide](#)



Salesforce Functions

[Documentation](#)  
[Trailhead](#)



Heroku

[Documentation](#)  
[Trailhead](#)





A vibrant, stylized illustration of a forest scene. The background is a clear blue sky with three small, white, fluffy clouds. The top and bottom edges of the frame are decorated with lush green foliage, including various leaves and small flowers in shades of pink, yellow, and purple. On the left and right sides, the brown trunks of large trees are visible. In the lower-left area, a small orange butterfly is shown in flight. The central focus of the image is the text "Thank You" in a large, bold, dark blue font.

# Thank You