

# Start Personal Mobile on same device

This article describes how to start [Nexus Personal Mobile](#), or an app based on the Personal Mobile SDK, from another app on the same device.

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## Related information

- [Hermod REST API overview](#)

## Prerequisites

### ▼ Prerequisites

The app that is intended to start Personal Mobile must have registered a url-scheme, as described in the article.

## Step-by-step instruction

### ▼ Add code to start app on idle screen

To open Personal Mobile on the idle screen, waiting for requests:

For an authentication or signing message to show up in Personal Mobile, an authentication or signing request first need to be sent to the Hermod Messaging Server or Hybrid Access Gateway.

For more information on how to send authentication and signing requests to Hermod Messaging Server, see [here](#).

1. Add the following code to start the Personal Mobile app directly from another app on the same device:

```
<URL-Scheme>://start?<Parameter>=<Value>
```

For parameter options, see [Personal protocol specification](#).

Example with a title and a redirect to my-redirect-URL://:

#### Example: start app with title and redirect

```
personal://start?title=My+title&redirect=my-redirect-URL%3A%2F%2F
```

### ▼ Add code to start app for provisioning

To open Personal Mobile for provisioning and creating a new user profile:

1. Add the following code to start the Personal Mobile app directly from another app on the same device:

```
<URL-Scheme>://<Link to message>?<Parameter>=<Value>
```

For parameter options, see [Personal protocol specification](#).

Example with a `<link to message>`, a title and a redirect to `my-redirect-URL://`:

**Example: start app for provisioning with title and redirect**

```
personal://<my-hermod-host>/hermod/rest/ms/ee2fec93-5daf-436f-b7d2-32a7ff86fe75/0573a28d-ecfa-480d-ade6-11d2144953a8?title=My+title&redirect=my-redirect-URL%3A%2F%2F
```

## Examples

▼ Examples

**Example: Link in html**

```
<a href="bank-app://<my-hermod-host>/hermod/rest/ms/ee2fec93-5daf-436f-b7d2-32a7ff86fe75/0573a28d-ecfa-480d-ade6-11d2144953a8?title=My+title&redirect=<my-redirect-URL>">Open with Bank App</a>
```

**Example: Link in JavaScript**

```
var startURL = 'bank-app://start'  
window.location.replace(startURL);
```

### Example: Link in Swift 3 for iOS 8-10

```
let redirect =
"bank-app://start".addingPercentEncoding(withAllowedCharacters
: .alphanumerics)!
let scheme = "bank-app://start?redirect=\(redirect)"

if let url = URL(string: scheme) {
    if #available(iOS 10, *) {
        let options =
[UIApplicationOpenURLOptionUniversalLinksOnly : true]
        UIApplication.shared.open(url, options: options,
completionHandler: {
            (success) in
                print("Open \(scheme): \(success)")
                // handle error or success contitions
            })
    } else {
        let success = UIApplication.shared.openURL(url)
        print("Open \(scheme): \(success)")
        // handle error or success contitions
    }
}
```

## Personal protocol specification

### General syntax

The general syntax to start the Personal Mobile application is the following:

`<URL-Scheme>://<Message>?<Parameter1>=<Value1>[&<Parameter2>=<Value2>]`

### <URL-Scheme>

The available values for <URL-Scheme> are described in this table:

<URL-Scheme> option	Description
personal	for the standard Nexus Personal app
<my-app-name>	for apps based on the Nexus Personal SDK

### <Message>

The available values for <Message> are described in this table:

<Message> option	Description
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start	Starts the app on the idle screen, to wait for requests.
<Link to message>	<p>Starts the app for provisioning, to handle the request in the package.</p> <p>The &lt;Link to message&gt; is the part after https:// in a normal provision request link. The app automatically appends https:// before the request is made.</p> <div style="border: 1px solid #ccc; padding: 5px; margin: 10px 0;"> <p><b>Example: &lt;Link to message&gt;</b></p> <pre>personal://&lt;my-hermod-host&gt;/hermod/rest/ms/e2fec93-5daf-436f-b7d2-32a7ff86fe75/0573a28d-ecfa-480d-ade6-11d2144953a8?title=My+title&amp;redirect=&lt;my-redirect-URL&gt;</pre> </div> <div style="border: 1px solid #ccc; padding: 5px; margin: 10px 0;"> <p><b>Other message types</b></p> <p>The functionality to open a link to an authentication or signing request is not yet implemented.</p> </div>

▼ <Parameter>=<Value>

The available values for <Parameter> and <Value> are described in this table. Two parameters can be used, separated by '&':

<Parameter>=<Value> option	Description
title=<string>	<string> is a URL-encoded string that the app shows to the user while waiting for the request to complete.
redirect=<my-redirect-URL>	<p>Makes the app return to the &lt;my-redirect-URL&gt; after first confirmation is done (Provision, Authentication or Signature). Failure to open the &lt;my-redirect-URL&gt; means that the user will stay in the personal app.</p> <p>&lt;my-redirect-URL&gt; is a URL-encoded string to allow return parameters if required.</p> <p>Example: redirect=googlechrome://mail.google.com This will open the chrome browser app, if it is available, and browse to gmail. If chrome is not available, it will fail.</p>