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NAFATH APP INTEGRATION GUIDE v2.5

SDAIA IDART DEPARTMENT

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1. Introduction

Nafath application service is a new feature that targets to make the authentication for service provider's mobile application and website easier.

Following sections describe:

- New request flow description
- Services Specification
- Sample Request and Responses

Note that login service is required to install and activate Nafath app in the same user Mobile

2. Nafath app Request Flow

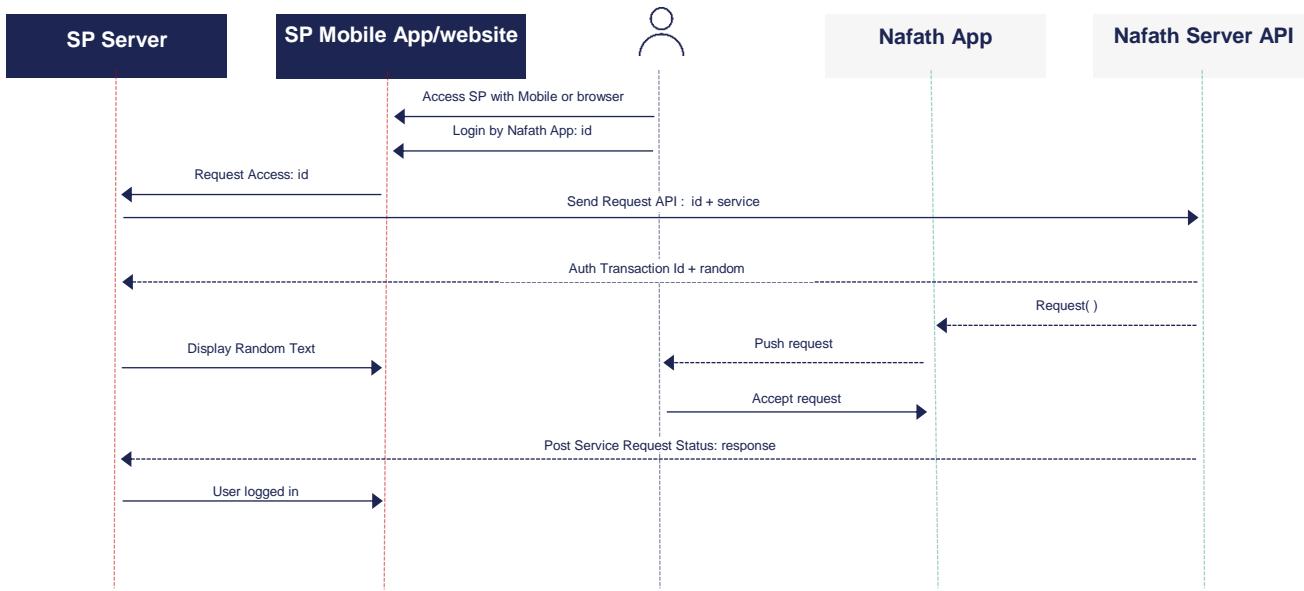


Figure 1: Nafath Mobile new request Integration Point

The request flow will rely on four backend-to-backend services:

- Send the request to Nafath app.
- Check if the request has been completed or not.
- Post service for request status once the user accept the request.

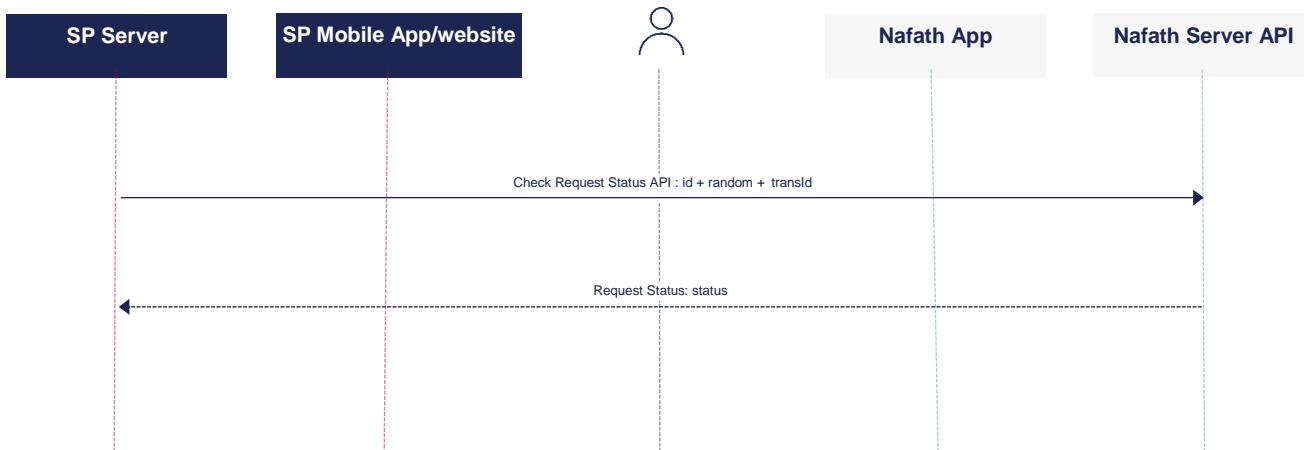


Figure 2: Nafath app check request Integration Point

2.1. Send Request

Description: this API initiates a new request within Nafath app for the targeted User.

POST	https://www.iam.gov.sa/nafath/	
Request	HTTP Header	Authorization: ApiKey <SP_API_KEY> The <SP_API_KEY> is provided to the service provider during the integration
	Content-Type Header	Application/json
	HTTP Body	{ "Action": "SpRequest", "Parameters": { "service": <Service Type>, "id": <Target User ID> } }
Response	HTTP Response	{ "transId": "<Request_API_Transaction_ID>", "random": <Text to be presented to the user> } Where the: <ul style="list-style-type: none">• transId: is the transaction Id that will be used in the second call.• Random: is the random value that should be displayed to the user.
ErrorResponse	HTTP Response	{ Code: string; RequestedURL: string; Message: string; Trace: string; }

2.2. Check Request Status

Description: this API checks the status of the request.

POST	https://www.iam.gov.sa/nafath/	
Request	Authorization Header	Authorization: ApiKey <SP_API_KEY> The <SP_API_KEY> is provided to the service provider during the integration
Response	HTTP Response	<pre>{ "status": "<Request_Status>", "person": < the person attribute gets returned on COMPLETED only by using AdvancedLogin service> {...} }</pre> <ul style="list-style-type: none"> - Where <Request_Status> can be: <ul style="list-style-type: none"> o "WAITING": request still in progress. o "EXPIRED": request timed out o "REJECTED": request has been rejected by user. o "COMPLETED": user authenticated successfully. - "person": { "id": "1234567890", "arFirst": "محمد" ... }
ErrorResponse	HTTP Response	<pre>{ Code: string; RequestedURL: string; Message: string; Trace: string; }</pre>

2.3. Post Service Request Status:

Description: this API will be used once the user has been accepted or rejected the request from Nafath app, the “response” attribute should be verified by using **NAFATH APP** certificate (will be provided by **NAFATH** during the integration).

POST	https://SP_URL (will be provided from SP in Service Form)	
Request	Authorization Header	<p>Example: Authorization: ApiKey <Nafath_API_KEY></p> <p>The <Nafath _API_KEY> is provided to Nafath during the integration</p>
	Content-type Header	Application/json
	HTTP Body	<pre>{ "response": "<JWT_BASE64>" }</pre> <p>Where the payload of the JWT contains the following:</p> <pre>{ "status": "<Request_Status>", "transId": "<Request_API_Transaction_ID>", "person": <the person attribute gets returned on COMPLETED only by using AdvancedLogin service>: {...} }</pre> <ul style="list-style-type: none"> - Where <Request_Status> can be: <ul style="list-style-type: none"> o "WAITING": request still in progress. o "EXPIRED": request timed out o "REJECTED": request has been rejected by user. o "COMPLETED": user authenticated successfully. - "person": { <ul style="list-style-type: none"> "id": "1234567890", "محمد" : "arFirst " ... }

3. Service Type:

#	Type	Action	Time out
1	Login	login	60 sec
2	AdvancedLogin	Login with Personal Info	60 sec

4. Nafath app integration URL:

#	Environment	URL
1	Nafath app Production	https://www.iam.gov.sa/nafath/
2	Nafath app Pre-Production	https://www.iam.sa/nafath/

5. User types:

#	Type	ID start with
1	National ID "هوية مواطن"	1
2	Resident ID "هوية مقيم"	2
3	Visitor ID "هوية زائر"	3-4
4	Visitor with Omrah Visa ID "هوية معتمر"	5
5	Visitor with Hajj Visa ID "هوية حاج"	6

6. User Attributes (“person”):

#	Attribute Name	Type	Description
1	id	Long	This is the user identifier represented by the National Id (Resident Id)
2	arFullName	String	Arabic Full Name
3	enFullName	String	English Full Name
4	dobH	int	Date Of Birth Hijri Example: ("1440-01-01" == 14400101)
5	dobG	Date	Date Of Birth Gregorian Example: "2000-01-01"
6	gender	Char(1)	F or M
7	arFirst	String	Arabic First Name
8	enFirst	String	English First Name
9	arFamily	String	Arabic Family Name
10	enFamily	String	English Family Name
11	arFather	String	Arabic Father Name
12	enFather	String	English Father Name
13	arGrand	String	Arabic Grand Father Name
14	enGrand	String	English Grand Father Name
15	idVersion	int	Id Version
16	idIssueDateG	Date	Gregorian Identity Card Issue Date Example: 1990-09-29
17	idIssueDateH	int	Hijri Identity Card Issue Date Example: ("1440-01-01" == 14400101)
18	idExpiryDateG	Date	Gregorian ID Expiration Date Example: 2017-09-29
19	idExpiryDateH,	int	Hijri ID Expiration Date Example: ("1440-01-01" == 14400101)
20	nationality	int	Nationality code
21	enNationality	String	English Nationality
22	arNationality	String	Arabic Nationality
23	language	String	For Language Consistency/Preferred Language of the user

7. Error Code:

#	ErrorCode	Message
1	B005	AUTHORIZATION FAILURE
2	B006	DATA NOT AVAILABLE
3	B007	INCORRECT URL
4	B008	REQUEST MODEL IS INVALID
5	B014	NAFATH TRX ID NOT CORRECT
6	B021	NAFATH TOO MANY HTTP REQUESTS
7	B027	NAFATH TRX ID HAS EXPIRED
8	B100	NAFATH THERE IS ACTIVE TRX
9	S109	HTTP TIMEOUT
10	S999	UNKNOWN SERVER ERROR



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