



API DOCUMENTATION

VERSION 1.9.5

PT Asli Rancangan Indonesia

Senayan Business Center
Jl. Senayan No.39 Jakarta Selatan 12180
Telp : +62 21 2277 5752



Listed on Indonesia's
Financial Services Authority
as Digital Financial Services
Innovation Provider, No S-130/MS.72/2020,
Nomor S-168/MS.72/2020, under e-KYC cluster

www.asliri.id

Twitter: @asliriid Instagram: @asliriid Facebook: asliri LinkedIn: asliri

Certification by, Collaboration with and Registered at:



DIREKTORAT JENDERAL
KEPENDUDUKAN DAN PENCATATAN SIPIL
KEMENTERIAN DALAM NEGERI REPUBLIK INDONESIA



PUSLITBANG POLIK
PUSAT PENELITIAN DAN PENGEMBANGAN
KEPOLISIAN NEGARA REPUBLIK INDONESIA



Fintech Syariah
Indonesia

API Documentation

Version	Date	Author	Description
1.7.3	26-Jul-2019	support@asliri.id	Add Phone Extra, Phone Age Verification, Vehicle Verification and Property Verification.
1.7.4	27-Aug-2019	support@asliri.id	Add new Tax Verification
1.7.5	1-Nov-2019	support@asliri.id	Modified Template, add note
1.7.6	8-Nov-2019	support@asliri.id	Modified service
1.7.7	13-Mar-2020	support@asliri.id	Add trx_id to services.
1.7.8	19-May-2020	support@asliri.id	Add Liveness, Home Location, Work Location and Workplace Verification.
1.7.9	8-Jun-2020	support@asliri.id	Modified Liveness Verification
1.8.0	17-Jun-2020	support@asliri.id	Add Negative Record Verification
1.9.0	30-Sep-2020	support@asliri.id	Add OCR, update image size for selfie photo parameter
1.9.1	16-Okt-2020	support@asliri.id	Update result for selfie photo parameter
1.9.2	30-Nov-2020	support@asliri.id	Liveness improvement
1.9.3	21-Dec-2020	support@asliri.id	Update result for liveness and Modified Liveness Verification
1.9.4	25-Jan-2021	support@asliri.id	OCR Improvement
1.9.5	06-May-2021	support@asliri.id	Upgrade Location Verification into Address Percentage Verification

If you have any question, please send your question to support@asliri.id and put your company name [Company_Name] in the SUBJECT line. Thank you.

Index

1. Basic Verification
 - Request
 - Response
2. Professional Verification
 - Request
 - Response
3. Liveness Verification
 - Request
 - Response
4. Phone Verification
 - a. Phone Verification
 - Request
 - Response
 - b. Phone Extra Verification
 - Request
 - Response
 - c. Phone Age Verification
 - Request
 - Response
5. Address Verification
 - a. Home Address Percentage Verification
 - Request
 - Response
 - b. Work Address Percentage Verification
 - Request
 - Response
6. Mother Name Verification
 - Request
 - Response
7. Tax Verification
 - a. Tax Extra Verification
 - Request
 - Response
 - b. Tax Company Verification
 - Request
 - Response

8. Workplace Verification
Request
Response

9. Property Verification
Request
Response

10. Negative Record Verification
Request
Response

11. OCR Extra
Request
Response

12. Check Balance
Request
Response

Conventions
Status Codes

Endpoints

1. Basic Verification

Client can use this module to verify the correctness of information obtained such as verification of biodata from obtained identity cards.

If all inputs are valid, API will return response consist of true/false which represents whether it is verified or not.

Request

Method	URL
POST	https://api.asliri.id:8443/<consumer_name>/verify_basic

Type	Params	Values	Description
HEAD	token	string	UUID token
HEAD	content-Type	string	Value: "application/json"
BODY	trx_id	string	Unique number of each transaction
BODY	nik	string	Identifier number of individual
BODY	name	string	Individual name
BODY	birthdate	string	Individual birthdate. DD-MM-YYYY (e.g. 31-01-1981)
BODY	birthplace	string	Individual birthplace. (e.g. Jakarta)
BODY	address	string	Individual address
BODY	identity_photo	string	Please fill this parameter with empty string ("")

domain

domain is the provided domain hosting ASLI RI services.

consumer_name

consumer_name is the customized slug given to a specific consumer. For example, CompanyName will call "https://api.asliri.id:8443/companyname/verify_basic"

token

token must be included within request's **header** parameters from all clients. The token is for validation/security purposes such as consumer authorization, they must be securely stored. When ASLI RI services start, this unique token is generated for each client.

trx_id

trx_id is the unique number of each transaction made. The input of **trx_id** is number, alphabeth, or combination of both. If **trx_id** is empty / does not match the format (input symbolic characters, more than 50 digits), there will be no **trx_id** displayed. Each **trx_id** will produce one **ref_id**. **Ref_id** is a unique identifier that will be saved in ASLI RI's log. **Trx_id** cannot be Null/must be inputted. The same **trx_id** cannot be used within the same day.

nik

nik is the unique identifier number of individual. Used as the basis for cross-checking all other previously inputted information. If NIK not registered/empty/does not match the format (input alphabet/symbol characters, less/more than 16 digits), the data displayed is null. If NIK and data entered do not belong to the same individual, status of the data below is false.

name

name is the name of applicant to be cross-checked. Name spaces do not affect on the results of verification.

- True: NIK and name belong to the same individual.
- False: NIK and name do not belong to the same individual/data entry is empty.

birthdate

birthdate is the birthdate of applicant to be cross-checked. Format in DD-MM-YYYY/YYYY-MM-DD (e.g. 27-02-1975/1990-02-27).

- True: NIK and birthdate belong to the same individual.
- False: NIK and birthdate do not belong to the same individual/data entry is empty/does not match the format.

birthplace

birthplace is the birthplace of applicant to be cross-checked.

- True: NIK and birthplace belong to the same individual.
- False: NIK and birthplace do not belong to the same individual/data entry is empty.

address

address is the address of applicant to be cross-checked.

identity_photo

`identity_photo`, please fill this parameter with empty string.

Note : NIK and `trx_id` are mandatory.

Sample Data

Note : The ID Number that we provided as example is masked to protect sensitive individual data

Status	Request	Response	Notes
200	<pre>{ "trx_id": "basic01", "nik": "35280167029xxxxx", "name": "JUWEI", "birthdate": "27-02-1990", "birthplace": "PAMEKASAN", "identity_photo": "" }</pre>	<pre>{ "timestamp": 1572850394, "status": 200, "errors": { "identity_photo": "invalid" }, "data": { "name": true, "birthdate": true, "birthplace": true, "address": "DSN N*MP*H" }, "trx_id": "basic01", "ref_id": "aW50ZXJuYWw=- 1584066313897" }</pre>	NIK registered; Name, birthdate and birthplace belong to the same individual with the entered NIK
200	<pre>{ "trx_id": "basic02", "nik": "35280167029xxxxx", "name": "HAYATI", "birthdate": "27-02-1990", "birthplace": "GEDUNG BARU", "identity_photo": "" }</pre>	<pre>{ "timestamp": 1572852888, "status": 200, "errors": { "identity_photo": "invalid" }, "data": { "name": false, "birthdate": true, "birthplace": false, "address": "DSN N*MP*H" }, }</pre>	NIK registered; Birthdate belong to the individual with the entered NIK; Name and Birthplace are false because don't match with the data registered based on NIK

Status	Request	Response	Notes
		<pre>"trx_id": "basic02", "ref_id": "aW50ZXJuYWw=- 1584066418026" }</pre>	
200	<pre>{ "trx_id": "basic03", "nik": "35280167029xxxxx", "name": "JUWEI", "birthdate": "27- 02-1990", "birthplace": "PAMEKASAN", "identity_photo": "" }</pre>	<pre>{ "timestamp": 1572850681, "status": 200, "errors": { "message": "Data not found" }, "data": null }, "trx_id": "basic03", "ref_id": "aW50ZXJuYWw=- 1584066611131" }</pre>	NIK not registered; The system does not show the status of Name, birthdate and birthplace' status because NIK is false so it can't be verified

2. Professional Verification

Client can use this module to verify the correctness of information obtained such as verification of biodata from obtained identity cards, and verification of selfie photo.

If all inputs are valid, API will return response consist of true/false which represents whether it is verified or not.

Request

Method	URL
POST	https://api.asliri.id:8443/<consumer_name>/verify_profesional

Type	Params	Values	Description
HEAD	token	string	UUID token
HEAD	content-Type	string	Value: "application/json"
BODY	trx_id	string	Unique number of each transaction
BODY	nik	string	Identifier number of individual
BODY	name	string	Individual name
BODY	birthdate	string	Individual birthdate. DD-MM-YYYY (e.g. 31-01-1981)
BODY	birthplace	string	Individual birthplace. (e.g. Jakarta)
BODY	address	string	Individual address
BODY	identity_photo	string	Please fill this parameter with empty string ("")
BODY	selfie_photo	string	Selfie image of a customer. Available formats: Base64 encoded string converted from jpeg, png, wsq

domain

domain is the provided domain hosting ASLI RI services.

consumer_name

consumer_name is the customized slug given to a specific consumer. For example, CompanyName will call "https://api.asliri.id:8443/companyname/verify_profesional"

token

token must be included within request's **header** parameters from all clients. The token is for validation/security purposes such as consumer authorization, they must be securely stored. When ASLI RI services start, this unique token is generated for each client.

trx_id

trx_id is the unique number of each transaction made. The input of **trx_id** is number, alphabeth, or combination of both. If **trx_id** is empty / does not match the format (input symbolic characters, more than 50 digits), there will be no **trx_id** displayed. Each **trx_id** will produce one **ref_id**. **Ref_id** is a unique identifier that will be saved in ASLI RI's log. **Trx_id** cannot be Null/must be inputted. The same **trx_id** cannot be used within the same day.

nik

nik is the unique identifier number of individual. Used as the basis for cross-checking all other previously inputted information. If NIK not registered/empty/does not match the format (input alphabet/symbol characters, less/more than 16 digits), the data displayed is null. If NIK and data entered do not belong to the same individual, status of the data below is false.

name

name is the name of applicant to be cross-checked. Name spaces do not affect on the results of verification.

- True: NIK and name belong to the same individual.
- False: NIK and name do not belong to the same individual/data entry is empty.

birthdate

birthdate is the birthdate of applicant to be cross-checked. Format in DD-MM-YYYY/YYYY-MM-DD (e.g. 27-02-1975/1990-02-27).

- True: NIK and birthdate belong to the same individual.
- False: NIK and birthdate do not belong to the same individual/data entry is empty/does not match the format.

birthplace

birthplace is the birthplace of applicant to be cross-checked.

- True: NIK and birthplace belong to the same individual.
- False: NIK and birthplace do not belong to the same individual/data entry is empty.

address

address is the address of applicant to be cross-checked.

identity_photo

`identity_photo`, please fill this parameter with empty string.

selfie_photo

`selfie_photo` is a selfie image of applicant. The **only acceptable** data format is Base64. The size for the picture must be minimum of 30KB and maximum of 500KB with minimum 400 pixel as dimension.

- Score (0.0-100.0): face in the photo can be detected and verified.
- No face detected: face in the photo entry can not be detected due to the quality of the photo or brightness that interferes with the clarity of the face.

The **only acceptable** data format is Base64 encoded string converted from JPEG/PNG/WSQ. A **similarity percentage**, between the uploaded selfie picture and identity face profile, is returned.

Note : NIK and `trx_id` are **mandatory**.

Sample Data

Note : The ID Number that we provided as example is masked to protect sensitive individual data

Status	Request	Response	Notes
200	<pre>{ "trx_id": "professional01", "nik": "32740531059xxxxx", "name": "YEHUDA BAGASKARA", "birthdate": "31- 05-1995", "birthplace": "kota cirebon ", "identity_photo": "", "selfie_photo": "<base64 photo>" }</pre>	<pre>{ "timestamp": 1574952759, "status": 200, "errors": { "identity_photo": "invalid" }, "data": { "name": true, "birthdate": true, "birthplace": true, "address": "JL P*NGG*L*N G*N B*R*", "selfie_photo": 86.2 }, "trx_id": "professional01", "ref_id": "aW50ZXJuYWw=- 1584067069984" }</pre>	NIK registered; Name, birthdate, birthplace and selfie photo do belong to the same individual

Status	Request	Response	Notes
200	<pre>{ "trx_id": "professional02", "nik": "32740531059xxxxx", "name": "YEHUDA BAGASKARA ", "birthdate": "31- 05-1993", "birthplace": "kota cirebon", "identity_photo": "", "selfie_photo": "<base64 photo>" }</pre>	<pre>{ "timestamp": 1584067322, "status": 200, "errors": { "identity_photo": "invalid" }, "data": { "name": true, "birthdate": false, "birthplace": true, "address": "JL P*NGG*L*N G*N B*R*", "selfie_photo": 0.0 } }, "trx_id": "professional02", "ref_id": "aW50ZXJuYWw=- 1584067321461" }</pre>	NIK registered; Name and birthplace belong to the individual with the entered NIK; Birthdate is false and selfie photo is 0.0 because they do not belong to the entered NIK
200	<pre>{ "trx_id": "professional03", "nik": "32740531059xxxxx", "name": "YEHUDA BAGASKARA", "birthdate": "31- 05-1995", "birthplace": "kota cirebon", "identity_photo": "", "selfie_photo": "" }</pre>	<pre>{ "timestamp": 1574953040, "status": 200, "errors": { "selfie_photo": "invalid", "identity_photo": "invalid" }, "data": { "name": true, "birthdate": true, "birthplace": true, "address": "D*S*N **", "selfie_photo": null } }, "trx_id": "professional03",</pre>	NIK registered; Name, birthdate and birthplace do belong to the same individual; Selfie photo is null because the data entry is empty

Status	Request	Response	Notes
		<pre>"ref_id": "aW50ZXJuYWw=-1584067583695" }</pre>	
200	<pre>{ "trx_id": "professional04", "nik": "31750427098xxxxx", "name": "YEHUDA BAGASKARA", "birthdate": "31- 05-1995", "birthplace": "kota cirebon", "identity_photo": "", "selfie_photo": "" }</pre>	<pre>{ "timestamp": 1574953133, "status": 200, "errors": { "message": "Data not found", "identity_photo": "invalid id", }, "data": null }, { "trx_id": "professional04", "ref_id": "aW50ZXJuYWw=-1584068093844" }</pre>	<p>NIK not registered; The system does not show the status of Name, birthdate and birthplace' status because NIK is false therefore it can't be verified</p>
200	<pre>{ "trx_id": "professional05", "nik": "32740531059xxxxx", "name": "YEHUDA BAGASKARA", "birthdate": "31- 05-1995", "birthplace": "kota cirebon", "identity_photo": "", "selfie_photo": "<base64 photo>" }</pre>	<pre>{ "timestamp": 1602226293, "status": 200, "errors": { "selfie_photo": "no face detected", "identity_photo": "invalid id", }, "data": null }</pre>	<p>Result is Null, because the selfie photo inputted can't be detected.</p> <p>This kind of result will not deduct client quota.</p>

3. Liveness Verification

Client can use this module to verify and ensure that customers who are currently transacting are living people, not photos that are photographed back.

If all inputs are valid, API will return response consist of true/false which represents whether it is verified or not.

Request

Method	URL
POST	https://api.asliri.id:8443/<consumer_name>/liveness

Type	Params	Values	Description
HEAD	token	string	UUID token
BODY	file	file image	16 images file
BODY	gestures_set	string	0 / 1 / 2 / 3 / 4 / 5 / 6 / 7
BODY	trx_id	string	Unique number of each transaction

domain

domain is the provided domain hosting ASLI RI services.

consumer_name

consumer_name is the customized slug given to a specific consumer. For example, CompanyName will call "https://api.asliri.id:8443/companyname/liveness"

token

token must be included within request's **header** parameters from all clients. The token is for validation/security purposes such as consumer authorization, they must be securely stored. When ASLI RI services start, this unique token is generated for each client.

trx_id

trx_id is the unique number of each transaction made. The input of **trx_id** is number, alphabeth, or combination of both. If **trx_id** is empty / does not match the format (input symbolic characters, more than 50 digits), there will be no **trx_id** displayed. Each **trx_id** will produce one **ref_id**. **Ref_id** is a unique identifier that will be saved in ASLI RI's log. **Trx_id** cannot be Null/must be inputted. The same **trx_id** cannot be used within the same day.

file

file is a collection of 16 images file which have to use for verify individual. Each of 16 images file must be same gesture with same person adjusted to standardize selfie rules that have been provided. File name must use numeric only and file uploaded must be under 2 MB.

gestures_set

gestures_set is gesture instructions for a collection of face photos to be verified. There are 8 gestures instructions with the following examples.

- 0 :left-eye closed, mouth closed, right-eye closed



- 1 :left-eye closed, mouth closed, right-eye open



- 2 :left-eye closed, mouth open, right-eye closed



- 3 :left-eye closed, mouth open, right-eye open



- 4 :left-eye open, mouth closed, right-eye closed



- 5 :left-eye open, mouth closed, right-eye opened



- 6 :left-eye open, mouth open, right-eye closed








- 7 :left-eye open, mouth open, right-eye open






Note : All parameter are **mandatory**. We highly recommended to use minimum of 2 random gestures for liveness verification to minimize the possibility of fraud.

Sample Data

Status	Request	Response	Notes
200	File : 16 images with gesture set 0 and 7 Gestures_set : 0,7 trx_id : liveness01 	<pre>{ "timestamp": 1604481815, "status": 200, "errors": {}, "data": { "passed": true }, "trx_id": "liveness01", "ref_id": "aw50ZXJuYWw=- 1604508433478" }</pre>	Result is true, because gesture of the 16 images used match with gesture set being verified
200	File : 16 image file with gesture set 1 and 4 Gestures_set : 0,7 trx_id : liveness02 	<pre>{ "timestamp": 1604481960, "status": 200, "errors": {}, "data": { "passed": false }, "trx_id": "liveness02", "ref_id": "aw50ZXJuYWw=- 1604508571082" }</pre>	Result is false, because gesture of the 16 images used doesn't match with gesture set being verified
200	File : 16 image file Gestures_set : 2,3 trx_id : liveness03 	<pre>{ "timestamp": 1604482617, "status": 200, "errors": {}, "data": { "passed": false }, "trx_id": "liveness03", "ref_id": "aw50ZXJuYWw=- 1604508861681" }</pre>	Result is false, because image is not readable or blur and image is not human to verify gesture set 2 and 3

Status	Request	Response	Notes
		}	
200	File : 2 image different gesture, duplicated 16 times Gestures_set : 0 trx_id : liveness04 	<pre>{ "timestamp": 1604482972, "status": 200, "errors": {}, "data": { "passed": false }, "trx_id": "liveness04", "ref_id": "aw50ZXJuYWw=- 1604509216525" }</pre>	Result is false because the images used are the result of duplication 16 times from 2 image
200	File : 17 image file with gesture set 0 and 7 Gestures_set : 0,7 trx_id : liveness05 	<pre>{ "timestamp": 1604484140, "status": 200, "errors": {}, "data": { "passed": false }, "trx_id": "liveness05", "ref_id": "aw50ZXJuYWw=- 1604510387531" }</pre>	Result is false because the images used are more than 16 images in 2 gesture set

Status	Request	Response	Notes
200	File : 16 images from 2 different person (8 images each) Gestures_set : 0,7 trx_id : liveness06 	<pre>{ "timestamp": 1604483793, "status": 200, "errors": {}, "data": { "passed": false }, "trx_id": "liveness06", "ref_id": "aw50ZXJuYWw=- 1604510412455" }</pre>	Result is false because the images used are images of 2 different people with the same gesture
200	File : 16 image file with gesture set 1,4 and rotated 180 degree Gestures_set : 1,4 trx_id : liveness07 	<pre>{ "timestamp": 1604483370, "status": 200, "errors": {}, "data": { "passed": false }, "trx_id": "liveness07", "ref_id": "aw50ZXJuYWw=- 1604509933867" }</pre>	Result is false because the images used are rotated 180 degree
500	File : 16 images with gesture set 0,7 Gestures_set : 9,10 trx_id : liveness08 	<pre>{ "timestamp": 1604475198, "status": 500, "errors": { "message": "Internal Server Error" }, "data": { "passed": null } }</pre>	Result is Null because either 1 of these reasons: Gestures_set inputted is number outside 0 – 7. Gestures_set is empty. File and gestures_set are empty.

4. Phone Verification

a. Phone Verification

Client can use this module to verify phone number whether it belongs to applicant nik or not.

Request

Method	URL
POST	<code>https://api.asliri.id:8443/<consumer_name>/verify_phone</code>

Type	Params	Values	Description
HEAD	token	string	UUID token
HEAD	content-Type	string	Value: "application/json"
BODY	trx_id	string	Unique number of each transaction
BODY	nik	string	Identifier number of individual
BODY	phone	string	Handphone number. Example: 6281xxxxxxxxxx

domain

`domain` is the provided domain hosting ASLI RI services.

consumer_name

`consumer_name` is the customized slug given to a specific consumer. For example, CompanyName will call "https://api.asliri.id:8443/companyname/verify_phone"

token

`token` must be included within request's **header** parameters from all clients. The token is for validation/security purposes such as consumer authorization, they must be securely stored. When ASLI RI services start, this unique token is generated for each client.

trx_id

`trx_id` is the unique number of each transaction made. The input of `trx_id` is number, alphabeth, or combination of both. If `trx_id` is empty / does not match the format (input symbolic characters, more than 50 digits), there will be no `trx_id` displayed. Each `trx_id` will produce one `ref_id`. `Ref_id` is a unique identifier that will be saved in ASLI RI's log. `Trx_id` cannot be Null/must be inputted. The same `trx_id` cannot be used within the same day.

nik

nik is the unique identifier number of the individual being investigated. If NIK is empty, an error message 'Bad Request' will be displayed. If NIK entry contains alphabet or symbols, a message 'Internal Server Error' will be displayed and the data is null.

phone

phone is a handphone number of applicant. The only acceptable data format is 628xxxxxxxx. If phone is empty, an error message 'Bad Request' will be displayed. This service works for prepaid (all operator) and postpaid (Telkomsel and Indosat only).

Result

Result is the result of the verification.

- True: phone and NIK belong to the same individual.
- False: phone and NIK do not belong to the same individual.

Note : All parameters are mandatory.

Sample Data

Note : The ID Number that we provided as example is masked to protect sensitive individual data

Status	Request	Response	Notes
200	<pre>{ "trx_id": "phone01", "nik": "32740531059xxxxx", "phone": "6287743617571" }</pre>	<pre>{ "timestamp": 1572942492, "status": 200, "error": "", "message": "success", "data": { "result": true }, "trx_id": "phone01", "ref_id": "aW50ZXJyYWw=-1584068707596" }</pre>	NIK registered; Phone registered; phone belongs to the same individual with the entered NIK

Status	Request	Response	Notes
200	<pre>{ "trx_id": "phone02", "nik": "32700000000xxxxx", "phone": "628151660829" }</pre>	<pre>{ "timestamp": 1575302064, "status": 200, "error": "", "message": "success", "data": { "result": false }, "trx_id": "phone02", "ref_id": "aw50ZXJuYWw=-1584069130334" }</pre>	NIK not registered; Phone registered; The result is false because NIK not registered or phone number entered doesn't match with applicable regulations (ex : postpaid other than Telkomsel and Indosat, etc)
200	<pre>{ "trx_id": "phone03", "nik": "32740531059xxxxx", "phone": "6280000000000" }</pre>	<pre>{ "timestamp": 1572942832, "status": 200, "error": "", "message": "success", "data": { "result": false }, "trx_id": "phone03", "ref_id": "aw50ZXJuYWw=-1584069375917" }</pre>	NIK registered; the result is false because phone does not belong to the same individual with the entered NIK or phone number entered doesn't match with applicable regulations (ex : postpaid other than Telkomsel and Indosat, etc)

b. Phone Age Verification

Client can use this module to verify phone number whether it belongs to applicant or not, plus additional information on how long this phone number has been activated.

Request

Method	URL
POST	https://api.asliri.id:8443/<consumer_name>/verify_phone_age

Type	Params	Values	Description
HEAD	token	string	UUID token
HEAD	content-Type	string	Value: "application/json"
BODY	trx_id	string	Unique number of each transaction
BODY	nik	string	Identifier number of individual
BODY	phone	string	Handphone number. Example: 6281xxxxxxxxxx

domain

domain is the provided domain hosting ASLI RI services.

consumer_name

consumer_name is the customized slug given to a specific consumer. For example, CompanyName will call "https://api.asliri.id:8443/companyname/verify_phone_age"

token

token must be included within request's **header** parameters from all clients. The token is for validation/security purposes such as consumer authorization, they must be securely stored. When ASLI RI services start, this unique token is generated for each client.

trx_id

trx_id is the unique number of each transaction made. The input of **trx_id** is number, alphabets, or combination of both. If **trx_id** is empty / does not match the format (input symbolic characters, more than 50 digits), there will be no **trx_id** displayed. Each **trx_id** will produce one **ref_id**. **Ref_id** is a unique identifier that will be saved in ASLI RI's log. **Trx_id** cannot be Null/must be inputted. The same **trx_id** cannot be used within the same day.

nik

nik is the unique identifier number of the individual being investigated. If NIK not registered/empty/does not match the format (input alphabet/symbol characters, less/more than 16 digits), the data displayed is null.

phone

phone is a handphone number of applicant. The only acceptable data format is 6281xxxxxxx. If phone is empty/does not match the format (input alphabet/symbol characters), the data displayed is null.

age

age is the age of the phone number of applicant, displayed in numeric characters.

Note : All parameters are mandatory.

Sample Data

Note : The ID Number that we provided as example is masked to protect sensitive individual data

Status	Request	Response	Notes
200	<pre>{ "trx_id": "phoneage01", "nik": "31730411058xxxxx", "phone": "6282246481338" }</pre>	<pre>{ "timestamp": 1575274897, "status": 200, "errors": {}, "data": { "result": true, "age": 4 }, "trx_id": " phoneage01", "ref_id": "aW50ZXJuYWw=-1584069508357" }</pre>	NIK registered; Phone registered; NIK and phone belong to the same individual

Status	Request	Response	Notes
200	<pre>{ "trx_id": "phoneage02", "nik": "31730411058xxxx", "phone": "6211111111118" }</pre>	<pre>{ "timestamp": 1575274951, "status": 200, "errors": {}, "data": { "result": false, "age": null }, "trx_id": " phoneage02", "ref_id": "aW50ZXJuYWw=-1584069801843" }</pre>	NIK registered; Phone not registered, therefore the age number does not show
200	<pre>{ "trx_id": "phoneage03", "nik": "31111111111xxxx", "phone": "6282246481338" }</pre>	<pre>{ "timestamp": 1575274997, "status": 200, "errors": {}, "data": { "result": false, "age": 4 }, "trx_id": " phoneage03", "ref_id": "aW50ZXJuYWw=-1584070086969" }</pre>	NIK not registered; Phone registered; The age number is displayed because phone registered
200	<pre>{ "trx_id": "phoneage04", "nik": "31730710016xxxx", "phone": "6282246481338" }</pre>	<pre>{ "timestamp": 1575275099, "status": 200, "errors": {}, "data": { "result": false, "age": 4 }, "trx_id": " phoneage04", "ref_id": "aW50ZXJuYWw=-1584070297629" }</pre>	NIK registered; Phone registered; NIK and phone do not belong to the same individual

Response

age

age is information on how long this phone number has been activated.

Age = null, means wrong phone number / not activated.

Age = 1, means phone number registered below 3 months

Age = 2, means phone number registered between 3 – 6 months.

Age = 3, means phone number registered between 6 – 12 months.

Age = 4, means phone number registered more than 1 year.

c. Phone Extra Verification

Client can use this module to verify phone number whether it belongs to applicant or not, plus additional information on how many phone number they have.

Request

Method	URL
POST	<code>https://api.asliri.id:8443/<consumer_name>/verify_phone_extra</code>

Type	Params	Values	Description
HEAD	token	string	UUID token
HEAD	content-Type	string	Value: "application/json"
BODY	trx_id	string	Unique number of each transaction
BODY	nik	string	Identifier number of individual
BODY	phone	string	Handphone number. Example: 6281xxxxxxxxxx

domain

domain is the provided domain hosting ASLI RI services.

consumer_name

consumer_name is the customized slug given to a specific consumer. For example, CompanyName will call "https://api.asliri.id:8443/companyname/verify_phone_extra"

token

token must be included within request's **header** parameters from all clients. The token is for validation/security purposes such as consumer authorization, they must be securely stored. When ASLI RI services start, this unique token is generated for each client.

trx_id

trx_id is the unique number of each transaction made. The input of **trx_id** is number, alphabeth, or combination of both. If **trx_id** is empty / does not match the format (input symbolic characters, more than 50 digits), there will be no **trx_id** displayed. Each **trx_id** will produce one **ref_id**. **Ref_id** is a unique identifier that will be saved in ASLI RI's log. **Trx_id** cannot be Null/must be inputted. The same **trx_id** cannot be used within the same day.

nik

nik is the unique identifier number of the individual being investigated. If NIK not registered/empty/does not match the format (input alphabet/symbol characters, less/more than 16 digits), the data displayed is null.

phone

phone is a handphone number of the applicant. The only acceptable data format is 6281xxxxxxx. If phone not registered/empty/does not match the format (input alphabet/symbol characters), the data displayed is null and the total of phone number the individual has is displayed.

result

Result is the result of the verification.

- True: phone and NIK belong to the same individual.
- False: phone and NIK do not belong to the same individual.

total

total is the number of phone numbers that the applicant has or ever had, displayed in numeric characters.

Note : All parameters are mandatory.

Sample Data

Note : The ID Number that we provided as example is masked to protect sensitive individual data

Status	Request	Response	Notes
200	<pre>{ "trx_id": "phoneextra01", "nik": "32740531059xxxxx", "phone": "6287743617571" }</pre>	<pre>{ "timestamp": 1572943449, "status": 200, "errors": {}, "data": { "result": true, "total": 6 }, "trx_id": "phoneextra01", "ref_id": "aW50ZXJuYWw=-1584070564872" }</pre>	<p>NIK registered; Phone registered; Phone belongs to the same individual with the entered NIK; The individual has a total of six phone numbers</p>

Status	Request	Response	Notes
200	<pre>{ "trx_id": "phoneextra02", "nik": "30000000000xxxxx", "phone": "6287743617571" }</pre>	<pre>{ "timestamp": 1575273964, "status": 200, "errors": {}, "data": { "result": false, "total": 0 }, "trx_id": "phoneextra02", "ref_id": "aW50ZXJuYWw=-1584070668506" }</pre>	<p>NIK not registered; Phone registered; The result is false because NIK is not registered</p>
200	<pre>{ "trx_id": "phoneextra03", "nik": "32740531059xxxxx", "phone": "6280000000001" }</pre>	<pre>{ "timestamp": 1572944175, "status": 200, "errors": {}, "data": { "result": false, "total": 6 }, "trx_id": "phoneextra03", "ref_id": "aW50ZXJuYWw=-1584070716121" }</pre>	<p>NIK registered; The result is false because phone does not belong to the same individual with the entered NIK; The total of how many phone number the individual has is showing because the NIK is registered.</p>

5. Address Percentage Verification

a. Home Address Percentage Verification

Client can use this module to verify the Individual home address based on mobile phone number with Telkomsel and Indosat provider only that used the internet data package between 22 PM - 3 AM for the past 2 Weeks. The result is the percentage of phone number's presence in the inputted address.

If all inputs are valid, API will return response consist of true/false/null which represents whether it is verified or not.

Request

Method	URL
POST	<code>https://api.asliri.id:8443/<consumer_name>/home_address_percentage</code>

Type	Params	Values	Description
HEAD	Token	string	UUID token
HEAD	content-Type	string	Value: "application/json"
BODY	trx_id	string	Unique number of each transaction
BODY	Phone	string	Individual phone number
BODY	Address	string	Home address of the individual

domain

domain is the provided domain hosting ASLI RI services.

consumer_name

consumer_name is the customized slug given to a specific consumer. For example, CompanyName will call "https://api.asliri.id:8443/companyname/home_address_percentage"

token

token must be included within request's **header** parameters from all clients. The token is for validation/security purposes such as consumer authorization, they must be securely stored. When ASLI RI services start, this unique token is generated for each client.

trx_id

trx_id is the unique number of each transaction made. The input of **trx_id** is number, alphabeth, or combination of both. If **trx_id** is empty / does not match the format (input symbolic characters, more than 50 digits), there will be no **trx_id** displayed. Each **trx_id** will produce one **ref_id**. **Ref_id** is a unique identifier that will be saved in ASLI RI's log. **Trx_id** cannot be Null/must be inputted. The same **trx_id** cannot be used within the same day.

phone

phone is the phone number of the individual. Used as the basis for cross-checking all other previously inputted information. The phone number inputted must use "62" at the front, minimum contains 10 digits and maximum contains 13 digits.

address

address is the address of applicant home to be cross-checked. Must be inputted as detail as possible (RT, RW, City, District, Sub-district, Province, Postal Code) to get the most accurate result.

result

result is the result of the verification of the phone location in the form of percentage or null. Null means the phone number inputted does not match the applicable format (input alphabet/symbol characters, less than 10 digits, more than 13 digits, use "08" at the front) or the phone number is not connected to the internet. This kind of result will not deduct client's quota.

Note: All parameters are **mandatory**.

Sample Data

Note : The Phone Number that we provided as example is masked to protect sensitive individual data

Status	Request	Response	Notes
200	<pre>{ "trx_id": "HomeAddressPercentage1", "phone": " 6285156415XXX", "address": "Jl. Kemanggisan Ilir VI, GG Maya No.39, RT.002/RW.014, Kemanggisan, Palmerah, Kota Jakarta Barat, 11480" }</pre>	<pre>{ "timestamp": 1611716248, "status": 200, "errors": {}, "data": { "location_percentage": 97.14 } }, { "trx_id": "HomeAddressPercentage1", "ref_id": "aW50ZXJyYWw=- 1611717052764" }</pre>	The percentage of the phone number's presence at the inputted address, between 22 PM - 3 AM for the past 2 weeks is 97,14%.
200	<pre>{ "trx_id": "HomeAddressPercentage2", "phone": "62851564", "address": "Jl. Kemanggisan Ilir VI, GG Maya No.39, RT.002/RW.014, Kemanggisan, Palmerah, Kota Jakarta Barat, 11480" }</pre>	<pre>{ "timestamp": 1611716152, "status": 200, "errors": { "phone": "invalid" }, "data": { "location_percentage": null }, "trx_id": "HomeAddressPercentage2", "ref_id": "aW50ZXJyYWw=- 1611717052201" }</pre>	<p>The result is null, because the phone number inputted doesn't match with applicable format.</p> <p>This kind of result will not deduct client's quota.</p>
200	<pre>{ "trx_id": "HomeAddressPercentage3", "phone": "6285156415XXX", "address": "ghsakdz!#jdhfslkfhs1234" }</pre>	<pre>{ "timestamp": 1611716651, "status": 200, "errors": { "address": "Data not found" }, "data": { "location_percentage": null } }</pre>	<p>The result is null, because the address inputted is not found.</p> <p>This kind of result will not</p>

		<pre> }, "trx_id": "HomeAddressPercentage3", "ref_id": "aW50ZXJuYWw=- 1611717178952" } </pre>	deduct client's quota.
Status	Request	Response	Notes
200	<pre> { "trx_id": "HomeAddressPercentage4", "phone": "6285156415XXX", "address": "Jl. Suryopranoto No 85a" } </pre>	<pre> { "timestamp": 1611716442, "status": 200, "errors": {}, "data": { "location_percentage": 0.0 }, "trx_id": "HomeAddressPercentage4", "ref_id": "aW50ZXJuYWw=- 1611717335139" } </pre>	<p>The percentage of the phone number's presence at the inputted address, is 0%.</p> <p>This result means the phone number was not at the inputted address, between 22 PM - 3 AM for the past 2 weeks.</p>

b. Work Address Percentage Verification

Client can use this module to verify the Individual work location based on mobile phone number with Telkomsel and Indosat provider only that used the internet data package between 9 AM - 12 PM for the past 2 Weeks (weekend excluded). The result is the percentage of phone number's presence in the inputted address.

If all inputs are valid, API will return response consist of true/false/null which represents whether it is verified or not.

Request

Method	URL
POST	<code>https://api.asliri.id:8443/<consumer_name>/work_address_percentage</code>

Type	Params	Values	Description
HEAD	token	string	UUID token
HEAD	content-Type	string	Value: "application/json"
BODY	trx_id	string	Unique number of each transaction
BODY	phone	string	Individual phone number
BODY	address	string	Work address of the individual

domain

domain is the provided domain hosting ASLI RI services.

consumer_name

consumer_name is the customized slug given to a specific consumer. For example, CompanyName will call "https://api.asliri.id:8443/companyname/work_address_percentage"

token

token must be included within request's **header** parameters from all clients. The token is for validation/security purposes such as consumer authorization, they must be securely stored. When ASLI RI services start, this unique token is generated for each client.

trx_id

trx_id is the unique number of each transaction made. The input of **trx_id** is number, alphabeth, or combination of both. If **trx_id** is empty / does not match the format (input symbolic characters, more than 50 digits), there will be no **trx_id** displayed. Each **trx_id** will produce one **ref_id**. **Ref_id** is a unique identifier that will be saved in ASLI RI's log. **Trx_id** cannot be Null/must be inputted. The same **trx_id** cannot be used within the same day.

phone

phone is the phone number of the individual. Used as the basis for cross-checking all other previously inputted information. The phone number inputted must use "62" at the front, minimum contains 10 digits and maximum contains 13 digits.

address

address is the applicant's work address to be cross-checked. Must be inputted as detail as possible (RT, RW, City, District, Sub-district, Province, Postal Code) to get the most accurate result.

result

result is the result of the verification of the phone location in the form of percentage or null. Null means the phone number inputted does not match the applicable format (input alphabet/symbol characters, less than 10 digits, more than 13 digits, use "08" at the front) or the phone number is not connected to the internet. This kind of result will not deduct client's quota.

Note: All parameters are **mandatory**.

Sample Data

Note : The Phone Number that we provided as example is masked to protect sensitive individual data

Status	Request	Response	Notes
200	<pre>{ "trx_id": "WorkAddressPercentage1", "phone": "6282110813XXX", "address": "Jl. Senayan No.39, RT.8/RW.5, Rw. Bar., Kec. Kby. Baru, Kota Jakarta Selatan, Daerah Khusus Ibukota Jakarta 12180" }</pre>	<pre>{ "timestamp": 1611717249, "status": 200, "errors": {}, "data": { "location_percentage": 95.10 }, "trx_id": "WorkAddressPercentage1", "ref_id": "aW50ZXJyYWw=- 1611717770591" }</pre>	<p>The percentage of the phone number's presence at the inputted address, between 9 AM - 12 PM for the past 2 weeks (weekend excluded) is 95,10%.</p>
200	<pre>{ "trx_id": "WorkAddressPercentage2", "phone": "62821108", "address": "Jl. Senayan No.39, RT.8/RW.5, Rw. Bar., Kec. Kby. Baru, Kota Jakarta Selatan, Daerah Khusus Ibukota Jakarta 12180" }</pre>	<pre>{ "timestamp": 1611716990, "status": 200, "errors": { "phone": "invalid" }, "data": { "location_percentage": null }, "trx_id": "WorkAddressPercentage2", "ref_id": "aW50ZXJyYWw=- 1611717889682" }</pre>	<p>The result is null, because the phone number inputted doesn't match with applicable format.</p> <p>This kind of result will not deduct client's quota.</p>

200	<pre>{ "trx_id": "WorkAddressPercentage3", "phone": "6282110813XXX", "address": "ghsakdz!#jdhfslkfhs1234" }</pre>	<pre>{ "timestamp": 1611717031, "status": 200, "errors": { "address": "Data not found" }, "data": { "location_percentage": null }, "trx_id": "WorkAddressPercentage3", "ref_id": "aW50ZXJuYWw=- 1611717930296" } </pre>	<p>The result is null, because the address inputted is not found.</p> <p>This kind of result will not deduct client's quota.</p>
Status	Request	Response	Notes
200	<pre>{ "trx_id": "WorkAddressPercentage4", "phone": "6285283762XXX", "address": "Jl. Suryopranoto No. 85A" }</pre>	<pre>{ "timestamp": 1611717728, "status": 200, "errors": {}, "data": { "location_percentage": 0.0 }, "trx_id": "WorkAddressPercentage4", "ref_id": "aW50ZXJuYWw=- 1611718250216" }</pre>	<p>The percentage of the phone number's presence at the inputted address, is 0%.</p> <p>This result means the phone number was not at the inputted address, between 9 AM – 12 PM for the past 2 weeks (weekend excluded).</p>

6. Mother Name Verification

Client can use this module to verify a mother name whether it is belongs to applicant nik or not.

Request

Method	URL
POST	https://api.asliri.id:8443/<consumer_name>/verify_mother

Type	Params	Values	Description
HEAD	token	String	UUID token
HEAD	content-Type	String	Value: "application/json"
BODY	trx_id	string	Unique number of each transaction
BODY	nik	String	Identifier number of individual
BODY	mother_name	String	Mother name of individual

domain

domain is the provided domain hosting ASLI RI services.

consumer_name

consumer_name is the customized slug given to a specific consumer. For example, CompanyName will call "https://api.asliri.id:8443/companyname/verify_mother"

token

token must be included within request's **header** parameters from all clients. The token is for validation/security purposes such as consumer authorization, they must be securely stored. When ASLI RI services start, this unique token is generated for each client.

trx_id

trx_id is the unique number of each transaction made. The input of **trx_id** is number, alphabeth, or combination of both. If **trx_id** is empty / does not match the format (input symbolic characters, more than 50 digits), there will be no **trx_id** displayed. Each **trx_id** will produce one **ref_id**. **Ref_id** is a unique identifier that will be saved in ASLI RI's log. **Trx_id** cannot be Null/must be inputted. The same **trx_id** cannot be used within the same day.

nik

nik is the unique identifier number of the individual being investigated.

mother_name

mother_name is a mother name of applicant. If mother_name do not match with nik, the actual mother_name is displayed in hash.

result

result is the result of the verification.

- True: mother_name and nik belong to the same individual.
 - False: mother_name and nik do not belong to the same individual.
- If the result is false, mother_name will be displayed in hash.

Note : All parameters are mandatory.

Sample Data

Note : The ID Number that we provided as example is masked to protect sensitive individual data

Status	Request	Response	Notes
200	{ "trx_id" : "mother01", "nik": "16080124079xxxxx", "mother_name": "DEDE NENDAH" }	{ "timestamp": 1584071137, "status": 200, "error": "", "message": "success", "data": { "result": true }, "trx_id": "mother01", "ref_id": "aW50ZXJyYWw=- 1584071137139" }	NIK registered; NIK and mother_name belong to the same individual
200	{ "trx_id" : "mother02", "nik": "16080124079xxxxx", "mother_name": "NABILAH"} }	{ "timestamp": 1584071367, "status": 200, "error": "", "message": "success", "data": { "result": false, "mother_name": "D*D* N*ND*H" }, "trx_id": "mother02", "ref_id": "aW50ZXJyYWw=- 1584071367934"} }	NIK registered; NIK and mother_name do not belong to the same individual

7. Tax Verification

a. Tax Extra Verification

Client can use this module to verify personal tax ID that include personal income verification, Name, POB, DOB verification.

Request

Method	URL
POST	https://api.asliri.id:8443/<consumer_name>/verify_tax_extra

Type	Params	Values	Description
HEAD	token	String	UUID token
HEAD	content-Type	String	Value: "application/json"
BODY	trx_id	string	Unique number of each transaction
BODY	nik	String	Identifier number of individual
BODY	npwp	String	Tax identifier number of individuals
BODY	income	Integer	Amount of income (monthly)
BODY	name	String	Individual name
BODY	birthdate	String	Individual birthdate. DD-MM-YYYY (e.g. 31-01-1981)
BODY	birthplace	String	Individual birthplace. (e.g. Jakarta)

domain

domain is the provided domain hosting ASLI RI services.

consumer_name

consumer_name is the customized slug given to a specific consumer. For example, CompanyName will call https://api.asliri.id:8443/companyname/verify_tax_extra

token

token must be included within request's **header** parameters from all clients. The token is for validation/security purposes such as consumer authorization, they must be securely stored. When ASLI RI services start, this unique token is generated for each client.

trx_id

trx_id is the unique number of each transaction made. The input of **trx_id** is number, alphabeth, or combination of both. If **trx_id** is empty / does not match the format (input symbolic characters, more than 50 digits), there will be no **trx_id** displayed. Each **trx_id** will produce one **ref_id**. **Ref_id** is a unique identifier that will be saved in ASLI RI's log. **Trx_id** cannot be Null/must be inputted. The same **trx_id** cannot be used within the same day.

nik

nik is the unique identifier number of the individual being investigated.

- True: NIK registered.
- False: NIK not registered.
- Null: Data entry is empty/does not match the format (input alphabet/symbol characters, less/more than 16 digits).

npwp

npwp is the unique tax identifier number of the individual being investigated.

- True: NPWP registered.
 - False: NPWP not registered.
 - Null: Data entry is empty/does not match the format (input alphabet/symbol characters, less/more than 15 digits).
- NIK, income, name, birthdate, birthplace automatically null if the NPWP is null.

income

income is the amount of monthly income. It will only value with:

- Above: Means the amount of income that is being verified is higher than the income range.
- Below: Means the amount of income that is being verified is lower than the income range.
- Amidst: Means the amount of income that is being verified is within the income range.
- Null: Means income data is not available.

name

name is the name of applicant to be cross-checked.

- True: NPWP and name belong to the same individual.
- False: NPWP and name do not belong to the same individual.
- Null: data entry is empty.

birthdate

birthdate is the birthdate of applicant to be cross-checked. Format in DD-MM-YYYY (e.g. 01-11-1975)

- True: NPWP and birthdate belong to the same individual.
- False: NPWP and birthdate do not belong to the same individual.
- Null: data entry is empty or does not match the format.

birthplace

birthplace is the birthplace of applicant to be cross-checked.

- True: NPWP and birthplace belong to the same individual.
- False: NPWP and birthplace do not belong to the same individual.
- Null: data entry is empty.

match_result

match_result is the result of the verification.

- True: NIK & NPWP registered and belong to the same individual.
 1. If income is null, the person registered to the NPWP never report tax.
- False: NIK & NPWP are not belong to the same individual or registered before 2016.
 1. NPWP (true) & NIK (true): NPWP & NIK registered but do not belong to the same individual.
 2. NPWP (true) & NIK (true): NPWP & NIK belong to the same individual but registered before 2016.
- Null: NPWP/NIK not registered or fake.
 1. NPWP (true) & NIK (false): NPWP registered, but NIK is fake/not registered.
 2. NPWP (false) & NIK (true): NPWP is fake/not registered, but NIK registered.
 3. NPWP (false) & NIK (false): NPWP & NIK do not registered.

Note : NIK, NPWP, income and trx_id are **mandatory**.

Sample Data

Note : The ID Number that we provided as example is masked to protect sensitive individual data

Status	Request	Response	Notes
200	<pre>{ "trx_id": "taxextra01", "npwp": "2537746650xxxxx", "nik": "31750720088xxxxx", "income": 1000000, "name": "HADI ATPOSO", "birthdate": "20-08-1986", "birthplace": "JAKARTA" }</pre>	<pre>{ "timestamp": 1584073276, "status": 200, "errors": {}, "data": { "npwp": true, "nik": true, "match_result": true, "income": "BELOW", "name": true, "birthdate": true, "birthplace": true }, "trx_id": "taxextra01", "ref_id": "aW50ZXJuYWw=-1584073276581" }</pre>	NPWP registered, NIK registered, NPWP & NIK belong to the same individual, income data is available
200	<pre>{ "trx_id": "taxextra02", "npwp": "2537746650xxxxx", "nik": "83947507200xxxxx", "income": 1000000, "name": "HADI ATPOSO", "birthdate": "20-08-1986", "birthplace": "JAKARTA" }</pre>	<pre>{ "timestamp": 1572625898, "status": 200, "errors": {}, "data": { "npwp": true, "nik": false, "match_result": null, "income": "BELOW", "name": true, "birthdate": true, "birthplace": true }, "trx_id": "taxextra02", "ref_id": "aW50ZXJuYWw=-1584080209745" }</pre>	NPWP registered, NIK not registered

Status	Request	Response	Notes
200	<pre>{ "trx_id": "taxextra03", "npwp": "5705795994xxxxx", "nik": "32750251027xxxxx", "income": 1000000, "name": "FEBBY CHRISTANTI", "birthdate": "1979- 01-11", "birthplace": "JAKARTA" }</pre>	<pre>{ "timestamp": 1572626021, "status": 200, "errors": {}, "data": { "npwp": true, "nik": true, "match_result": false, "income": "BELOW", "name": true, "birthdate": true, "birthplace": true } "trx_id": "taxextra03", "ref_id": "aW50ZXJuYWw=- 1584080373184" }</pre>	NPWP registered; NIK registered; The owner of NIK & NPWP do not match/NPWP prior to 2016 are not tied to E-KTP NIK/NPWP registered with old NIK; Name, birthdate, birthplace input match the registered NPWP
200	<pre>{ "trx_id": "taxextra04", "npwp": "2537746653xxxxx", "nik": "32750316098xxxxx", "income": 1000000, "name": "HADI ATPOS0", "birthdate": "20-08- 1986", "birthplace": "JAKARTA" }</pre>	<pre>{ "timestamp": 1572626146, "status": 200, "errors": {}, "data": { "npwp": false, "nik": true, "match_result": null, "income": null, "name": null, "birthdate": null, "birthplace": null } "trx_id": "taxextra04", "ref_id": "aW50ZXJuYWw=- 1584080549560" }</pre>	NPWP not registered, NIK registered Name, birthdate, birthplace is null because NPWP is false so it can't be verified

Status	Request	Response	Notes
200	<pre>{ "trx_id": "taxextra05", "npwp": "8862215144xxxxx", "nik": "32750316098xxxxx", "income": 1000000, "name": "BENTAR SAPUTRO", "birthdate": "1986- 09-16", "birthplace": "JAKARTA" }</pre>	<pre>{ "timestamp": 1572627814, "status": 200, "errors": {}, "data": { "npwp": true, "nik": true, "match_result": true, "income": null, "name": true, "birthdate": true, "birthplace": true } "trx_id": "taxextra05", "ref_id": "aW50ZXJuYWw=- 1584080761701" }</pre>	NPWP registered, NIK registered, NPWP & NIK belong to the same individual, income data is null because no income data is available
200	<pre>{ "trx_id": "taxextra06", "npwp": "2537746650xxxxx", "nik": "31750720088xxxxx", "income": 1000000, "name": "", "birthdate": "20/08/1986", "birthplace": ""} }</pre>	<pre>{ "timestamp": 1572628427, "status": 200, "errors": { "name": "invalid", "birthdate": "invalid", "birthplace": "invalid" }, "data": { "npwp": true, "nik": true, "match_result": true, "income": "BELOW", "name": null, "birthdate": null, "birthplace": null } "trx_id": "taxextra06", "ref_id": "aW50ZXJuYWw=- 1584080989448" }</pre>	NPWP registered, NIK registered; NPWP and NIK belong to the same individual, income data is available income data is available; Name, birthdate, birthplace is null because data input is empty

Status	Request	Response	Notes
200	<pre>{ "trx_id": "taxextra07", "npwp": "abc", "nik": "abc", "income": null, "name": "", "birthdate": "", "birthplace": "" }</pre>	<pre>{ "timestamp": 1572628004, "status": 200, "errors": { "nik": "invalid", "npwp": "invalid" }, "data": { "npwp": null, "nik": null, "match_result": null, "income": null, "name": null, "birthdate": null, "birthplace": null } "trx_id": "taxextra07", "ref_id": "aW50ZXJuYWw=-1584081371218" }</pre>	NPWP, NIK, income, birthdate and birthplace input do not match the format
500	<pre>{ "trx_id": "taxextra08", "npwp": "6426651947xxxxx", "nik": "61120931129xxxxx", "income": 350000, "name": "ilyan ditama", "birthdate": "31-12-1991", "birthplace": "binjai" }</pre>	<pre>{ "timestamp": 1572460431, "status": 500, "errors": { "message": "Internal Server Error" }, "data": { "npwp": null, "nik": null, "match_result": null, "income": null, "name": null, "birthdate": null, "birthplace": null } "trx_id": "taxextra08", "ref_id": "aW50ZXJuYWw=-1584081473817" }</pre>	Fail to verify because a problem occurs to the source data of the request

b. Tax Company Verification

Client can use this module to verify company tax that include company income verification.

Request

Method	URL
POST	https://api.asliri.id:8443/<consumer_name>/verify_tax_company

Type	Params	Values	Description
HEAD	token	String	UUID tokfen
HEAD	content-Type	String	Value: "application/json"
BODY	trx_id	string	Unique number of each transaction
BODY	npwp	String	Tax identifier number of company
BODY	income	Integer	Amount of income (yearly)

domain

domain is the provided domain hosting ASLI RI services.

consumer_name

consumer_name is the customized slug given to a specific consumer. For example, CompanyName will call "https://api.asliri.id:8443/companyname/verify_tax_company"

token

token must be included within request's **header** parameters from all clients. The token is for validation/security purposes such as consumer authorization, they must be securely stored. When ASLI RI services start, this unique token is generated for each client.

trx_id

trx_id is the unique number of each transaction made. The input of **trx_id** is number, alphabeth, or combination of both. If **trx_id** is empty / does not match the format (input symbolic characters, more than 50 digits), there will be no **trx_id** displayed. Each **trx_id** will produce one **ref_id**. **Ref_id** is a unique identifier that will be saved in ASLI RI's log. **Trx_id** cannot be Null/must be inputted. The same **trx_id** cannot be used within the same day.

npwp

npwp is the unique tax identifier number of the individual being investigated.

- True: NPWP registered.
- False: NPWP not registered/data entry is empty/does not match the format (input alphabet/symbol characters, less/more than 15 digits).

income

income is the amount of yearly income. It will only value with:

- Above: Means the amount of income that is being verified is higher than the income range.
- Below: Means the amount of income that is being verified is lower than the income range.
- Amidst: Means the amount of income that is being verified is within the income range.
- Null: Means income data is not available.

Note : All parameters are mandatory.

Sample Data

Note : The ID Number that we provided as example is masked to protect sensitive individual data

Status	Request	Response	Notes
200	<pre>{ "trx_id": "taxcompany01", "npwp": "8655622844xxxxx", "income": 3500000000 }</pre>	<pre>{ "timestamp": 1573443969, "status": 200, "errors": {}, "data": { "npwp": true, "income": "ABOVE" } "trx_id": "taxcompany01", "ref_id": "aW50ZXJuYWw=- 1584081845584" }</pre>	NPWP registered; Income data is available; NPWP and income data belong to the same company

Status	Request	Response	Notes
200	<pre>{ "trx_id": "taxcompany02", "npwp": "811111111xxxxx", "income": 350000000 }</pre>	<pre>{ "timestamp": 1578464767, "status": 200, "errors": { "npwp": "invalid" }, "data": { "npwp": false, "income": "invalid" } "trx_id": "taxcompany02", "ref_id": "aW50ZXJuYWw=- 1584081929975" }</pre>	NPWP is not registered; Income data is invalid because NPWP is not registered so it can't be verified
200	<pre>{ "trx_id": "taxcompany03", "npwp": "ABC", "income": null }</pre>	<pre>{ "timestamp": 1578464907, "status": 200, "errors": { "npwp": "invalid", "income": "invalid" }, "data": { "npwp": false, "income": "invalid" } "trx_id": "taxcompany03", "ref_id": "aW50ZXJuYWw=- 1584082096768" }</pre>	NPWP and income do not match the format

8. Workplace Verification

Client can use this module to verify someone's latest workplace.

If all inputs are valid, API will return response consist of true/false which represents whether it is verified or not.

Request

Method	URL
POST	https://api.asliri.id:8443/<consumer_name>/verify_workplace

Type	Params	Values	Description
HEAD	token	string	UUID token
HEAD	content-Type	string	Value: "application/json"
BODY	trx_id	string	Unique number of each transaction
BODY	nik	string	Identifier number of individual
BODY	name	string	Individual name
BODY	company_name	string	The name of the company
BODY	company_phone	string	The phone number of the company

domain

domain is the provided domain hosting ASLI RI services.

consumer_name

consumer_name is the customized slug given to a specific consumer. For example, CompanyName will call "https://api.asliri.id:8443/companyname/verify_workplace"

token

token must be included within request's **header** parameters from all clients. The token is for validation/security purposes such as consumer authorization, they must be securely stored. When ASLI RI services start, this unique token is generated for each client.

trx_id

trx_id is the unique number of each transaction made. The input of **trx_id** is number, alphabets, or combination of both. If **trx_id** is empty / does not match the format (input symbolic characters, more than 50 digits), there will be no **trx_id** displayed. Each **trx_id** will produce one **ref_id**. **Ref_id** is a unique identifier that will be saved in ASLI RI's log. **Trx_id** cannot be Null/must be inputted. The same **trx_id** cannot be used within the same day.

nik

nik is the unique identifier number of individual. Used as the basis for cross-checking all other previously inputted information.

- True: NIK registered.
- False: NIK not registered/data entry is empty/does not match the format (input alphabet/symbol characters, less/more than 16 digits).
- Null: Data entry is empty/does not match the format (input alphabet/symbol characters, less/more than 16 digits).

name

name is the name of applicant to be cross-checked.

- True: NIK and name belong to the same individual.
- False: NIK and name do not belong to the same individual/data entry is empty.
- Null: Data entry is empty.

company_name

company_name is the name of the company where the person being verified last worked.

- True: the individual is still working in that company/it is their last workplace.
- False: the individual is not working in that company anymore/it is not their last workplace.
- Null : Data entry is empty.

company_phone

company_phone is the the phone number of the company where the person being verified last worked.

- True: the phone number belongs to the company where the individual is currently working/their last workplace.
- False: the phone number doesn't belong to the company where the individual is currently working/their last workplace.
- Null : Data entry is empty/does not match the format (input alphabet/symbol characters, less than 6 digits).

Note : NIK, **trx_id**, **company_name** are **mandatory**.

Sample Data

Note : The ID Number that we provided as example is masked to protect sensitive individual data

Status	Request	Response	Notes
200	<pre>{ "trx_id": "workplace01", "nik": "33210421088xxxxx", "name": "HARYANTO", "company_name": "SDM PKH KEMENTERIAN SOSIAL PROVINSI JAWA TENGAH", "company_phone": "3103591" }</pre>	<pre>{ "timestamp": 1575651983, "status": 200, "errors": {}, "data": { "nik": true, "name": true, "company": true, "company_phone": true }, "trx_id": "workplace01", "ref_id": "aW50ZXJuYWw=-1584085232992" }</pre>	<p>NIK registered; Name belong to the same individual with the entered NIK.</p> <p>Company name and phone are correct according to the individual's last workplace.</p>
200	<pre>{ "trx_id": "workplace02", "nik": "", "name": "HARYANTO", "company_name": "SDM PKH KEMENTERIAN SOSIAL PROVINSI JAWA TENGAH", "company_phone": "3103591" }</pre>	<pre>{ "timestamp": 1576833984, "status": 200, "errors": { "nik": "invalid" }, "data": { "nik": null, "name": null, "company": null, "company_phone": null }, "trx_id": "workplace02", "ref_id": "aW50ZXJuYWw=-1584085919375" }</pre>	<p>NIK is empty, which makes all the other data are Null as well.</p>

Status	Request	Response	Notes
200	<pre>{ "trx_id": "workplace03", "nik": "ABCD!#\$", "name": "HARYANTO", "company_name": "SDM PKH KEMENTERIAN SOSIAL PROVINSI JAWA TENGAH", "company_phone": "3103591" }</pre>	<pre>{ "timestamp": 1576833984, "status": 200, "errors": { "nik": "invalid" }, "data": { "nik": null, "name": null, "company": null, "company_phone": null } "trx_id": "workplace03", "ref_id": "aW50ZXJuYWw=- 1584085867778" }</pre>	NIK is not filled with the right format (number, 16 digits)
200	<pre>{ "trx_id": "workplace04", "nik": "3000000000xxxxx", "name": "HARYANTO", "company_name": "SDM PKH KEMENTERIAN SOSIAL PROVINSI JAWA TENGAH", "company_phone": "3103591" }</pre>	<pre>{ "timestamp": 1576834055, "status": 200, "errors": { "message": "Data not found" }, "data": { "nik": null, "name": null, "company": null, "company_phone": null } "trx_id": "workplace04", "ref_id": "aW50ZXJuYWw=- 1584085829001" }</pre>	NIK is not registered, which makes all the other data are Null as well.

Status	Request	Response	Notes
200	<pre>{ "trx_id": "workplace05", "nik": "33210421088xxxxx", "name": "", "company_name": "SDM PKH KEMENTERIAN SOSIAL PROVINSI JAWA TENGAH", "company_phone": "3103591" }</pre>	<pre>{ "timestamp": 1575652202, "status": 200, "errors": { "name": "invalid" }, "data": { "nik": true, "name": null, "company": true, "company_phone": true } "trx_id": "workplace05", "ref_id": "aW50ZXJuYWw=- 1584085794920" }</pre>	<p>NIK registered.</p> <p>Name is empty.</p> <p>Company name and phone are correct according to the individual's last workplace.</p>
200	<pre>{ "trx_id": "workplace06", "nik": "33210421088xxxxx", "name": "YUSUF", "company_name": "SDM PKH KEMENTERIAN SOSIAL PROVINSI JAWA TENGAH", "company_phone": "3103591" }</pre>	<pre>{ "timestamp": 1575652258, "status": 200, "errors": {}, "data": { "nik": true, "name": false, "company": true, "company_phone": true } "trx_id": "workplace06", "ref_id": "aW50ZXJuYWw=- 1584085740219" }</pre>	<p>NIK registered.</p> <p>Name doesn't belong to the same individual with the entered Nik.</p> <p>Company name and phone are correct according to the individual's last workplace.</p>

Status	Request	Response	Notes
200	<pre>{ "trx_id": "workplace07", "nik": "33210421088xxxxx", "name": "HARYANTO", "company_name": "", "company_phone": "3103591" }</pre>	<pre>{ "timestamp": 1576834102, "status": 200, "errors": { "company_name": "invalid" }, "data": { "nik": true, "name": true, "company": null, "company_phone": true }, "trx_id": "workplace07", "ref_id": "aW50ZXJuYWw=-1584085669024" }</pre>	<p>NIK registered.</p> <p>Name belongs to the same individual with the entered Nik.</p> <p>Company name is empty.</p> <p>Company phone is correct according to the individual's last workplace.</p>
200	<pre>{ "trx_id": "workplace08", "nik": "33210421088xxxxx", "name": "HARYANTO", "company_name": "WINGS GROUP", "company_phone": "3103591" }</pre>	<pre>{ "timestamp": 1575652468, "status": 200, "errors": {}, "data": { "nik": true, "name": true, "company": false, "company_phone": true, "company_name": "SDM PKH K*M*NT*R**N S*S**L PR*V*NS* J*W* T*NG*H" }, "trx_id": "workplace08", "ref_id": "aW50ZXJuYWw=-1584085592446" }</pre>	<p>NIK registered.</p> <p>Name belongs to the same individual with the entered Nik.</p> <p>Company name is not correct and company phone is correct (according to the individual's last workplace).</p>

Status	Request	Response	Notes
200	<pre>{ "trx_id": "workplace09", "nik": "33210421088xxxxx", "name": "HARYANTO", "company_name": "SDM PKH KEMENTERIAN SOSIAL PROVINSI JAWA TENGAH", "company_phone": "" }</pre>	<pre>{ "timestamp": 1575652833, "status": 200, "errors": { "company_phone": "invalid" }, "data": { "nik": true, "name": true, "company": true, "company_phone": null } "trx_id": "workplace09", "ref_id": "aW50ZXJuYWw=- 1584085532937" }</pre>	<p>NIK registered.</p> <p>Name belongs to the same individual with the entered Nik.</p> <p>Company name is correct according to the individual's last workplace.</p> <p>Company phone is empty.</p>
200	<pre>{ "trx_id": "workplace010", "nik": "33210421088xxxxx", "name": "HARYANTO", "company_name": "SDM PKH KEMENTERIAN SOSIAL PROVINSI JAWA TENGAH", "company_phone": "ABCD@!#\$%" }</pre>	<pre>{ "timestamp": 1576834155, "status": 200, "errors": { "company_phone": "invalid" }, "data": { "nik": true, "name": true, "company": true, "company_phone": null } "trx_id": "workplace010", "ref_id": "aW50ZXJuYWw=- 1584085445484" }</pre>	<p>NIK registered.</p> <p>Name belongs to the same individual with the entered Nik.</p> <p>Company name is correct according to the individual's last workplace.</p> <p>Company phone is not filled with the right format (number, 6 digits)</p>

Status	Request	Response	Notes
200	<pre>{ "trx_id": "workplace011", "nik": "33210421088xxxxx", "name": "HARYANTO", "company_name": "SDM PKH KEMENTERIAN SOSIAL PROVINSI JAWA TENGAH", "company_phone": "3783811" }</pre>	<pre>{ "timestamp": 1576834173, "status": 200, "errors": {}, "data": { "nik": true, "name": true, "company": true, "company_phone": false } "trx_id": "workplace011", "ref_id": "aW50ZXJubyYwWw=- 1584085388064" }</pre>	<p>NIK registered.</p> <p>Name belongs to the same individual with the entered NIK.</p> <p>Company name is correct and company phone is not correct (according to the individual's last workplace).</p>

9. Property Verification

Client can use this module to verify property object value.

Request

Method	URL
POST	https://api.asliri.id:8443/<consumer_name>/verify_property

Type	Params	Values	Description
HEAD	token	String	UUID token
HEAD	content-Type	String	Value: "application/json"
BODY	trx_id	string	Unique number of each transaction
BODY	nop	String	"Nomor Object Pajak" (Number of Tax Object)
BODY	property_name	String	Owner registered of the property
BODY	property_surface_area	String	Surface area of the property
BODY	property_building_area	String	Total floor area of the property
BODY	estimation	Integer	Amount of value
BODY	nik	String	Unique identifier of an individual
BODY	certificate_name	String	Owner registered of the certificate
BODY	certificate_id	String	Unique identifier of the certificate
BODY	certificate_type	String	Type of the certificate
BODY	certificate_date	String	Date registered of the certificate

domain

domain is the provided domain hosting ASLI RI services.

consumer_name

consumer_name is the customized slug given to a specific consumer. For example, CompanyName will call "https://api.asliri.id:8443/companyname/verify_property"

token

token must be included within request's **header** parameters from all clients. The token is for validation/security purposes such as consumer authorization, they must be securely stored. When ASLI RI services start, this unique token is generated for each client.

trx_id

trx_id is the unique number of each transaction made. The input of **trx_id** is number, alphabeth, or combination of both. If **trx_id** is empty / does not match the format (input symbolic characters, more than 50 digits), there will be no **trx_id** displayed. Each **trx_id** will produce one **ref_id**. **Ref_id** is a unique identifier that will be saved in ASLI RI's log. **Trx_id** cannot be Null/must be inputted. The same **trx_id** cannot be used within the same day.

nop

nop is the unique identifier number of Tax Object. Used as the basis for cross-checking all properties information. If **NOP** not registered/empty/does not match the format (input alphabet/symbol characters, less/more than 18 digits), the property data is null.

property_name

property_name is the registered owner of the property.

- True: **NOP** and name belong to the same individual.
- False: **NOP** and name do not belong to the same individual.
- Null: data entry is empty.

property_surface_area

property_surface_area is the surface area of the property.

- True: **property_surface_area** matches with the **NOP**.
- False: **property_surface_area** does not match with the **NOP**.
- Null: data entry is empty.

property_building_area

property_building_area is the total area of the floors measured from the external face of the external walls.

- True: **property_building_area** matches with the **NOP**.
- False: **property_building_area** does not match with the **NOP**.
- Null: data entry is empty.

property_estimation

property_estimation is Amount of value from that Tax Object.

- Above: Means the amount of estimation that is being verified is higher than the value range.
- Below: Means the amount of estimation that is being verified is lower than the value range.
- Amidst: Means the amount of estimation that is being verified is within the value range.
- Null: Means estimation can't being verified because of nop or estimation is invalid.

nik

nik is the unique identifier number of individual. Used as the basis for cross-checking all certificate information. If NIK not registered/empty/does not match the format (input alphabet/symbol characters, less/more than 16 digits), the certificate data is null.

certificate_name

certificate_address is the registered name for the property certificate.

- True: certificate_name matches with the NIK.
- False: certificate_name does not match with the NIK.
- Null: data entry is empty.

certificate_id

certificate_id is unique identifier of the property certificate.

- True: certificate_id matches with the NIK.
- False: certificate_id does not match with the NIK..
- Null: data entry is empty.

certificate_type

certificate_type is the type of the property certificate.

- True: certificate_type matches with the NIK.
- False: certificate_type does not match with the NIK.
- Null: data entry is empty.

certificate_date

certificate_date is date registered of the property certificate.

- True: certificate_date matches with the NIK.
- False: certificate_date does not match with the NIK.
- Null: data entry is empty/does not match the format (DD-MM-YYYY).

Note : All parameters are **mandatory**.

Sample Data

Note : The ID Number that we provided as example is masked to protect sensitive individual data

Status	Request	Response	Notes
200	<pre>{ "trx_id": "property01", "nop": "3404050005009xxxxx", "property_name": "SAPTO PAMUNGKAS", "property_surface_area": "346", "property_building_area": "73", "property_estimation": "500000000", "nik": "34040113107xxxxx", "certificate_name": "SAPTO PAMUNGKAS", "certificate_id": "13040105110291", "certificate_type": "HM", "certificate_date": "2017-12-01" }</pre>	<pre>{ "timestamp": 1578466110, "status": 200, "errors": {}, "data": { "property_address": "K*D*N N*B 2020 RW 24 RT 001 ", "property_name": true, "property_building_area": true, "property_surface_area": true, "property_estimation": "BELOW", "certificate_address": "K*D*N TR*H*NGG* G*MP*NG", "certificate_id": true, "certificate_name": true, "certificate_type": true, "certificate_date": true } "trx_id": "property01", "ref_id": "aW50ZXJuYWw=-1584082520887" }</pre>	<p>NOP registered; NOP match with the property_name, property_surface_area, property_building_area, property_estimation; NIK registered; NIK match with certificate_id, certificate_name, certificate_date and certificate_type</p>

Status	Request	Response	Notes
200	<pre>{ "trx_id": "property02", "nop": "300000000000xxxxx", "property_name": "SAPTO PAMUNGKAS", "property_surface_area": "346", "property_building_area": "73", "property_estimation": "500000000", "nik": "34040113107xxxxx", "certificate_name": "SAPTO PAMUNGKAS", "certificate_id": "13040105110291", "certificate_type": "HM", "certificate_date": "2017-12-01" }</pre>	<pre>{ "timestamp": 1578466704, "status": 200, "errors": { "message": "Data not found" }, "data": { "property_address": null, "property_name": null, "property_building_area": null, "property_surface_area": null, "property_estimation": null, "certificate_address": "K*D*N TR*H*NGG* G*MP*NG", "certificate_id": true, "certificate_name": true, "certificate_type": true, "certificate_date": true }, "trx_id": "property02", "ref_id": "aW50ZXJuYWw=-1584082675390" }</pre>	<p>NOP not registered; property_address, property_name, property_building_area, property_surface_area and property estimation are null because NOP not registered so the data can't be verified; NIK registered therefore certificate_address, certificate_id, certificate_name, certificate_type, certificate_date can be verified</p>

Status	Request	Response	Notes
200	<pre>{ "trx_id": "property03", "nop": "1111111", "property_name": "" , "property_surface_area": "", "property_building_area": "", "property_estimation": null, "nik": "34040113107xxxxx", "certificate_name": "SAPTO PAMUNGKAS", "certificate_id": "13040105110291", "certificate_type": "HM", "certificate_date": "2017-12-01" }</pre>	<pre>{ "timestamp": 1578467393, "status": 200, "errors": { "message": "Data not found", "nop": "invalid" }, "data": { "property_address": null, "property_name": null, "property_building_area": null, "property_surface_area": null, "property_estimation": null, "certificate_address": "K*D*N TR*H*NGG* G*MP*NG", "certificate_id": true, "certificate_name": true, "certificate_type": true, "certificate_date": true } , "trx_id": "property03", "ref_id": "aW50ZXJyYWw=-1584084535618" }</pre>	<p>Data entry for property verification does not match the format; the result is null because data entry is invalid so the data can't be verified; NIK registered and match the format therefore certificate_address, certificate_id, certificate_name, certificate_type, certificate_date can be verified</p>

Status	Request	Response	Notes
200	<pre>{ "trx_id": "property04", "nop": "3404050005009xxxxx", "property_name": "YEHUDA BAGASKARA", "property_surface_area": "406", "property_building_area": "80", "property_estimation": "500000000", "nik": "34040113107xxxxx", "certificate_name": "YEHUDA BAGASKARA", "certificate_id": "13040105110291", "certificate_type": "HM", "certificate_date": "2016-09-01" }</pre>	<pre>{ "timestamp": 1578469589, "status": 200, "errors": {}, "data": { "property_address": "K*D*N N*B 2020 RW 24 RT 001 ", "property_name": false, "property_building_area": false, "property_surface_area": false, "property_estimation": "BELOW", "certificate_address": "K*D*N TR*H*NGG* G*MP*NG", "certificate_id": true, "certificate_name": false, "certificate_type": true, "certificate_date": false } "trx_id": "property04", "ref_id": "aW50ZXJuYWw=-1584083250047" }</pre>	<p>NOP registered; property_name, property_building_area, property_surface_area does not match the NOP; NIK registered; certificate_name and certificate_date does not match the NIK</p>

Status	Request	Response	Notes
200	<pre>{ "trx_id": "property05", "nop": "3404050005009xxxxx", "property_name": "SAPTO PAMUNGKAS", "property_surface_area": "346", "property_building_area": "73", "property_estimation": "500000000", "nik": "300000000000xxxxx", "certificate_name": "SAPTO PAMUNGKAS", "certificate_id": "13040105110291", "certificate_type": "HM", "certificate_date": "2017-12-01" }</pre>	<pre>{ "timestamp": 1578468487, "status": 200, "errors": { "message": "Data not found" }, "data": { "property_address": "K*D*N N*B 2020 RW 24 RT 001 ", "property_name": true, "property_building_area": true, "property_surface_area": true, "property_estimation": "BELOW", "certificate_address": null, "certificate_id": null, "certificate_name": null, "certificate_type": null, "certificate_date": null }, "trx_id": "property05", "ref_id": "aW50ZXJuYWw=-1584083332150" }</pre>	<p>NIK not registered; certificate_address, certificate_id, certificate_name, certificate_type, certificate_date is null because NIK not registered so the data can't be verified; NOP registered so property_name, property_surface_area, property_building_area, property_estimation can be verified</p>

Status	Request	Response	Notes
200	<pre>{ "trx_id": "property06", "nop": "3404050005009xxxxx", "property_name": "SAPTO PAMUNGKAS", "property_surface_area": "346", "property_building_area": "73", "property_estimation": "5000000000", "nik": "", "certificate_name": "", "certificate_id": "", "certificate_type": "", "certificate_date": "" }</pre>	<pre>{ "timestamp": 1578469057, "status": 200, "errors": { "message": "Data not found", "nik": "invalid" }, "data": { "property_address": "K*D*N N*B 2020 RW 24 RT 001 ", "property_name": true, "property_building_area": true, "property_surface_area": true, "property_estimation": "BELOW", "certificate_address": null, "certificate_id": null, "certificate_name": null, "certificate_type": null, "certificate_date": null }, "trx_id": "property06", "ref_id": "aW50ZXJuYWw=-1584083476758" }</pre>	Data entry for certificate verification does not match the format; the result is null because data entry is invalid so the data can't be verified

10. Negative Record Verification

Client can use this module to verify whether an individual has a negative record or not.

If all inputs are valid, API will return response consist of true/false/null which represents whether it is verified or not.

Request

Method	URL
POST	https://api.asliri.id:8443/<consumer_name>/verify_negative_list

Type	Params	Values	Description
HEAD	token	string	UUID token
HEAD	content-Type	string	Value: "application/json"
BODY	trx_id	string	Unique number of each transaction
BODY	nik	string	Identifier number of individual
BODY	name	string	Individual name
BODY	pob	string	Individual birthplace. (e.g. Jakarta)
BODY	dob	String	Individual birthdate. DD-MM-YYYY (e.g. 31-01-1981)

domain

domain is the provided domain hosting ASLI RI services.

consumer_name

consumer_name is the customized slug given to a specific consumer. For example, CompanyName will call "https://api.asliri.id:8443/companyname/verify_negative_list"

token

token must be included within request's **header** parameters from all clients. The token is for validation/security purposes such as consumer authorization, they must be securely stored. When ASLI RI services start, this unique token is generated for each client.

trx_id

trx_id is the unique number of each transaction made. The input of trx_id is number, alphabeth, or combination of both. If trx_id is empty / does not match the format (input symbolic characters, more than 50 digits), there will be no trx_id displayed. Each trx_id will produce one ref_id. Ref_id is a unique identifier that will be saved in ASLI RI's log. Trx_id cannot be Null/must be inputted. The same trx_id cannot be used within the same day.

nik

nik is the unique identifier number of individual. Used as the basis for cross-checking all other previously inputted information. If NIK not registered/empty/does not match the format (input alphabet/symbol characters, less/more than 16 digits), the data displayed is null.

name

name is the name of applicant to be cross-checked. Name spaces do not affect on the results of verification. If name is empty, the data displayed is null.

Birthdate (DOB)

birthdate is the birthdate of applicant to be cross-checked. Format in DD-MM-YYYY/YYYY-MM-DD (e.g. 27-02-1975/1990-02-27). If birthdate is empty / does not match the format, the data displayed is null.

Birthplace (POB)

birthplace is the birthplace of applicant to be cross-checked. If birthplace is empty, the data displayed is null.

result

result is the result of the verification of negative record

- True: individual data is match with the data source
- False: individual data is not match with the data source
- Null:
 - a. NIK / Name / POB / DOB is empty or not found in the data source
 - b. NIK / DOB does not match the format

Note: NIK or Name are **mandatory**

Sample Data

Note : The ID Number that we provided as example is masked to protect sensitive individual data

Status	Request	Response	Notes
200	<pre>{ "trx_id" : "negative list01", "nik": "35781408098xxxxx" , "name": "DIMAS RANDY TRI ASMORO", "dob": "1977- 12-14", "pob": "JAKARTA" }</pre>	<pre>{ "timestamp": 1595925697, "status": 200, "errors": {}, "data": { "nik": true, "name": "D*M*S R*NDY TR* *SM*R*", "dob": false, "pob": false, "detail": { "url": "https://sipp.pn- surabayakota.go.id/show_detil/Vnp1T np4TWc5Y0dZSGxDQWNLR213LzVmRDdkbnhN UmxmdmhoMkg1eWNib0xQbEpoWm5ocHJuQ1Z LdURQY2QvZWwrVWh3R1lYZE1qM1lSalMybU VRQWc9PQ==" } } }, "trx_id": "negative list01", "ref_id": "aW50ZXJuYWw=- 1591958896784"</pre>	<p>NIK is found.</p> <p>DOB and POB don't match with NIK.</p> <p>URL is shown because the data is found in our big data that we get from public data sources (news on internet, social media, etc.)</p>
200	<pre>{ "trx_id": "negative list02", "nik": "35130566039xxxxx" , "name": "BUDI", "dob": "2020-07- 03", "pob": "SOLO"</pre>	<pre>{ "timestamp": 1596006369, "status": 200, "errors": {}, "data": { "nik": null, "name": "B*D* K*RY*W*N P*TR* *LS B*D* K*RY*W*N.S.S*S *LS B*D*", "dob": null, "pob": null,</pre>	<p>NIK is not found, so the result of NIK, POB, DOB & Detail are null.</p> <p>but Name 'Budi' in data source is found. So the result will show name with 'Budi' from the first line of data source</p>

Status	Request	Response	Notes
	<pre> }</pre>	<pre> "detail": null }, "trx_id": "negativelist02", "ref_id": "dGVzdC12Mg==1596006362829" }</pre>	
200	<pre> { "trx_id" : "negativelist03", "nik": "12562630098xxxxx" , "name": "ABDULLAH MASHURI", "dob": "1989-09-30", "pob": "SURABAYA" }</pre>	<pre> { "timestamp": 1595925927, "status": 200, "errors": {}, "data": { "nik": true, "name": "*BD*L*H M*SH*R*", "dob": true, "pob": true, "detail": { "status": "Teroris" } }, "trx_id": "negativelist03", "ref_id": "aW50ZXJuYWw=-1591961204664" }</pre>	<p>NIK is found.</p> <p>POB and DOB are match with NIK.</p> <p>Status is shown because there's negative record as terrorist in data sources</p>
200	<pre> { "trx_id": "negativelist04", "nik": "35280167029xxxxx" , "name": "DIMAS RANDY TRI ASMORO", "dob": "1977-12-14", "pob": "SURABAYA" }</pre>	<pre> { "timestamp": 1596008804, "status": 200, "errors": { "message": "Data not found" }, "data": { "nik": null, "name": null, "dob": null, "pob": null, "detail": null }, "trx_id": "negativelist04", }</pre>	<p>NIK is not found, so the results are null.</p>

Status	Request	Response	Notes
		<pre>"ref_id": "dGVzdC12Mg==1596008797891" }</pre>	
200	<pre>{ "trx_id": "negative list05", "name": "DIMAS RANDY TRI ASMORO", "dob": "1977-12-14", "pob": "SURABAYA" }</pre>	<pre>{ "timestamp": 1596006880, "status": 200, "errors": { "nik": "invalid" }, "data": { "nik": null, "name": null, "dob": null, "pob": null, "detail": null }, "trx_id": "negativelist05", "ref_id": "dGVzdC12Mg==1596006878055" }</pre>	<p>NIK is not inserted, and Name is not found.</p> <p>So the results are null.</p>

11. OCR Extra (Optical Character Recognition)

Client can use this OCR (Optical Character Recognition) to generate image from eKTP printed into text.

If all inputs are valid, API will return response consist of text from generating eKTP image which represents all of text from eKTP. The extracted data are:

1. NIK
2. Name
3. Birthdate
4. Birthplace
5. Gender
6. Blood type
7. Address (rt/rw, district, village)
8. Religion
9. Marital status
10. Profession
11. Citizenship
12. Province
13. City

Request

Method	URL
POST	https://api.asliri.id:8443/<consumer_name>/ocr_extra

Type	Params	Values	Description
HEAD	Token	string	UUID token
HEAD	Content-Type	string	Value: "application/json"
BODY	trx_id	string	Unique number of each transaction
BODY	ktp_image	string	eKTP image of a customer. Available formats: Base64 encoded string converted from jpeg, png, wsq

domain

domain is the provided domain hosting ASLI RI services.

consumer_name

consumer_name is the customized slug given to a specific consumer. For example, CompanyName will call "https://api.asliri.id:8443/companyname/ocr_extra"

token

token must be included within request's **header** parameters from all clients. The token is for validation/security purposes such as consumer authorization, they must be securely stored. When ASLI RI services start, this unique token is generated for each client.

trx_id

trx_id is the unique number of each transaction made. The input of **trx_id** is number, alphabeth, or combination of both. If **trx_id** is empty / does not match the format (input symbolic characters, more than 50 digits), there will be no **trx_id** displayed. Each **trx_id** will produce one **ref_id**. **Ref_id** is a unique identifier that will be saved in ASLI RI's log. **Trx_id** cannot be Null/must be inputted. The same **trx_id** cannot be used within the same day.

ktp_image

ktp_image is a eKTP image of applicant. Here are the requirements for the ektp image :

- The position must be straight horizontal, should not tilt at all. Image must be cropped according to the example image below

TRUE:



FALSE:





- b. Image must be clear and not blurry
- c. The **only acceptable** data format is Base64 encoded string converted from JPEG/PNG/WSQ
- d. The size for the picture must be minimum of 30KB and maximum of 500KB or has minimum 400 pixel as dimension.

Note: E-KTP image is **mandatory**.

Sample Data

Note : The ID Number that we provided as example is masked to protect sensitive individual data

Status	Request	Response	Notes
200	<pre>{ "trx_id": "Ocrextra01" "ktp_image": <Base64> }</pre> <p>[Example Picture]</p> 	<pre>{ "timestamp": 1599188990, "status": 200, "errors": {}, "data": { "nik": "XXXXXXXXXX", "nama": "XXXXXXXXXX", "tempat_lahir": "XXXXXXXXXX", "tanggal_lahir": "XXXX-XX-XX", "jenis_kelamin": "LAKI- LAKI", "gol_darah": "-", "alamat": "XXXXXXXXXX", "rt/rw": "001/009", "kelurahan/desa": "KARANG TE NGAH", "kecamatan": "KARANG TENGAH", "agama": "KRISTEN", "status_perkawinan": "BELUM KAWIN", "pekerjaan": "PELAJAR / MAHA SISWA", "kewarganegaraan": "WNI", "provinsi": "BANTEN", "kota": "KOTA TANGERANG" }, "trx_id": "Ocrextra01", "ref_id": "aW50ZXJyYWw=- 1599219007811" }</pre>	Show all details of text generated from ktp image because the image is clear , not blurry and the position is align based on

Status	Request	Response	Notes
200	<pre>{ "trx_id": "Ocrextra02" "ktp_image": <Base64> }</pre> <p>[Example Picture]</p> 	<pre>{ "timestamp": 1599189680, "status": 200, "errors": {}, "data": { "nik": "", "nama": "", "tempat_lahir": "", "tanggal_lahir": "", "jenis_kelamin": "", "gol_darah": "", "alamat": "", "rt/rw": "", "kelurahan/desa": "", "kecamatan": "", "agama": "", "status_perkawinan": "", "pekerjaan": "", "kewarganegaraan": "", "provinsi": "", "kota": "" }, "trx_id": " Ocrextra02", "ref_id": "aW50ZXJyYUw=-1599219067209" }</pre>	KTP image is dull, so the details of text generated from image are null/empty

12. Check Balance

Used to check remaining balance of API Call.

Request

Method	URL
GET	https://api.asliri.id:8443/<consumer_name>/remaining_access

Type	Params	Values	Description
HEAD	Token	String	UUID token

domain

domain is the provided domain hosting ASLI RI services.

consumer_name

consumer_name is the customized slug given to a specific consumer. For example, CompanyName will call "https://api.asliri.id:8443/companyname/remaining_access"

token

token must be included within request's **header** parameters from all clients. The token is for validation/security purposes such as consumer authorization, they must be securely stored. When Veripal services start, this unique token is generated for each client.

Sample Data

Status	Response
200	<pre>{ "timestamp": 1554455896, "status": 200, "error": "", "message": "", "data": [{ "url": "/verify_mother", "remainingAccess": 10113, "lastAccess": "2019-04-02" }, { "url": "/verify_phone", "remainingAccess": 20111, "lastAccess": "2019-04-02" }, { "url": "/verify_profesional", "remainingAccess": 83998, "lastAccess": "2019-04-02" }] }</pre>

Glossary

Conventions

- **Client** - Client application.
- **Status** - HTTP status code of response.
- All the possible responses are listed under 'Responses' for each method. Only one of them is issued per request server.
- All responses are in JSON format.
- Set the duration for server timeout to 2 minutes.

Status Codes

All status codes are standard HTTP status codes. The below ones are used in this API.

2XX - Success of some kind

4XX - Error occurred in client's part

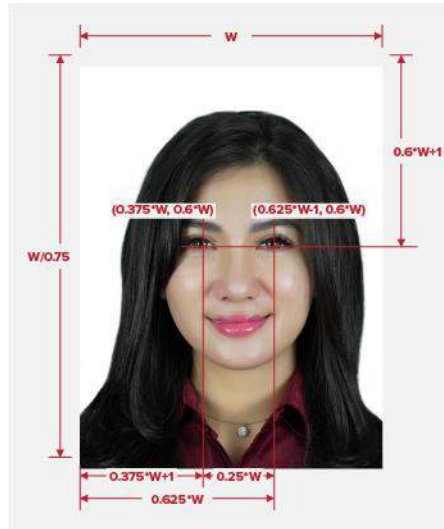
5XX - Error occurred in server's part

Status Code	Description
200	OK
204	No Content
400	Bad request <pre>{ "timestamp": 1532676470, "status": 400, "error": "Bad Request", "message": "Input Invalid", }</pre>
401	Authentication Failure <pre>{ "timestamp": 1532676470, "status": 401, "error": "Unauthorized", "message": "Access Denied", }</pre>

Status Code	Description
401	Access Limit Reached <pre>{ "timestamp": 1532676470, "status": 401, "error": "Unauthorized", "message": "Access limited", "data": null }</pre>
404	Resource not found <pre>{ "timestamp": 1532676470, "status": 404, "error": "Not Found", "message": "Not Found", }</pre>
500	Internal Server Error <pre>{ "timestamp": 1532676470, "status": 500, "error": "Internal server error", "message": "Internal server error", }</pre>
502	Service Unavailable <pre>{ "timestamp": 1532676470, "status": 502, "error": "Service Unavailable", "message": "Service Unavailable", }</pre>

BEST PRACTICE FOR SELFIE & LIVENESS DETECTION

A guidance to produce best result:
INTERNATIONAL FACE IMAGE STANDARDS



Feature or Parameter	Value
Image Width	W
Image Height	W/0.75
Y coordinate of Eyes	0.6 * W
X coordinate of First (right) Eye	0.375 * W
X coordinate of Second (left) Eye = 0.625 * W	(0.625 * W) - 1
Width from eye to eye (inclusive)	0.25 * W

Sources:

- ANSI – ANSI INCITS 385**
 May 2004, the US Standard for Digital Image Formats for use with the Facial Biometric.
Referenced by DoC for US PIV ID Card, DHS for face capture.
- ISO – 19794 – 5 FDIS**
 November 2004, the Final Draft International Standard of Biometric Data Interchange Formats - Part 5 - Face Image Data.
Referenced by ICAO “Biometrics Deployment of Machine Readable Travel Documents”, TAG MRTD/NTWG May 2004.

SELFIE & LIVENESS DETECTION POSITION

Must be aligned in front of the camera



POTRAIT STYLE



PROPORTIONAL



TILT HEAD



TILT BODY



STYLISH

BRIGHTNESS & NO SHADOWS



PROPORTIONAL
BRIGHTNESS



LOW BRIGHTNESS



OVER BRIGHTNESS



SHADOWS

NO GLASSES & WEARING HAT



NO ACCESSORIES



USING GLASSES



USING BLACK GLASSES



WEARING HAT

NO HAIR COVERING FRONT OF FACE & FACE COVERED



PROPORTIONAL



HAIR COVERING
FRONT OF FACE



FACE COVERED

BACKGROUND & POSITION/ORIENTATION



PROPORTIONAL
BACKGROUND



CROWDED



TILT POSE

NO HAIR COVERING FRONT OF FACE & FACE COVERED



HIJAB NO COVERING
FRONT OF FACE



HIJAB COVERING
FRONT OF FACE