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**proven**®

# v1 API Documentation

# Request Invitation

/api/v1/invitations - POST

Request an invitation to connect with the agent

## Post Body Information:

Field name	Expected type/values	Examples	Notes
contact_id	text	blank	Optional contact string that can be used for calls that require a known contact
invitation_type	text	OOB	CV1 or OOB (Connections v. 1 or Out of Band)
invitation_mode	text	Once	Multi, Once (or "Static," but for developers use only). TODO: Multi requires the use of a multi-use webhook in order for the other APIs to work
public	text	false	true or false
accept	text	Auto	Auto, Manual
alias	text	Acme Issuer	A string for how this connection could be labeled in the receiving agent. Technically optional, but probably a bad idea to leave empty
invitation_role	text	blank	Optional string describing this connection's role (such as "holder")
invitation_label	text	Create Account	Optional string for naming this invitation in the sending agent.

invitation_description	text	blank	Optional string describing the purpose of this invitation
invitation_status	text	blank	Optional; Active, Inactive, Deleted; this is not an ACA-Py field, but allows our controller to utilize invitations intelligently. Defaults to Active
invitation_active_starting_at	timestamp	blank	Optional unix timestamp stating when the controller should begin recognizing this invitation as active. If not provided, set to the current time. Caution, the controller can be bypassed and does not strictly control ACA-Py.
invitation_active_ending_at	timestamp	blank	Optional unix timestamp stating when the controller should stop recognizing this invitation as active. Can be null (doesn't end). Caution, the controller can be bypassed and does not strictly control ACA-Py.
uses_allowed	int	blank	Optional number of uses that the controller will allow this invitation. Caution, the controller can be bypassed and does not strictly control ACA-Py.

## Sample POST Bodies

### Invitation with connection reuse

```
{
  "contact_id": 49,
  "invitation_type": "OOB",
  "invitation_mode": "once",
  "public": true,
  "accept": "auto",
  "alias": "API invitation with connection reuse"
  "invitation_role": "Holder",
  "invitation_label": "API Invite",
  "invitation_description": "Invitation created through API",
  "invitation_status": "active",
  "invitation_active_starting_at": null,
  "invitation_active_ending_at": null,
  "invitation_uses_allowed": null
}
```

### Invitation without connection reuse

```
{
  "contact_id": 1,
  "invitation_type": "CV1",
  "invitation_mode": "once",
  "public": false,
  "accept": "auto",
  "alias": "API invitation without connection reuse"
  "invitation_role": "Holder",
  "invitation_label": "API Invite",
  "invitation_description": "Invitation created through API",
  "invitation_status": "active",
  "invitation_active_starting_at": null,
  "invitation_active_ending_at": null,
  "invitation_uses_allowed": null
}
```

### Invitation with multi-use

```
{
  "contact_id": 1,
  "invitation_type": "OOB",
  "invitation_mode": "multi",
  "public": false,
  "accept": "auto",
  "alias": "API invitation with multi-use"
  "invitation_role": "Holder",
  "invitation_label": "API Invite",
}
```

```
"invitation_description": "Invitation created through API",
"invitation_status": "active",
"invitation_active_starting_at": null,
"invitation_active_ending_at": null,
"invitation_uses_allowed": null
}
```

## Return Body

Field name	Expected type/values	Examples	Notes
invitation_url	text	<a href="https://proven.mediator.indiciotech.io?c_i...">https://proven.mediator.indiciotech.io?c_i...</a>	Invitation URL (currently formatted for either connections v. 1 or OOB)
invitation_id	int	37	ID to keep track of this particular invitation
invitation_id	int	49	Contact ID specified during the creation of this invitation

## Sample Return Body

```
{
  "invitation_url": "https://proven.mediator.indiciotech.io?c_i=...",
  "invitation_id": 37,
  "contact_id": "49"
}
```

# Accept Invitation

/api/v1/invitations/accept - POST

Accept an invitation given a particular invitation URL

## Post Body Information

Field name	Expected type/values	Examples	Notes
invitation_url	text	<a href="https://proven.mediator.indiciotech.io?c_i...">https://proven.mediator.indiciotech.io?c_i...</a>	Properly encoded connections v. 1 or OOB invitation
contact_id	text	12543	Optional contact string that can be used for calls that require a known contact

## Sample POST Bodies

```
{  
  "invitation_url": "https://proven.mediator.indiciotech.io?c_i...",  
  "contact_id": "12543",  
}
```

## Return Body

Note: The following is the original design for the return body, but the current API code returns what follows in the Sample Return Body below. The table and the API will need to be brought into agreement, but this at least shows the kinds of data that can be returned.

Field name	Expected type/values	Examples	Notes
invitation_id	int	1234	The ID of the invite stored in the database

## Sample Return Body

```
{
  "success": true,
  "invitation_id": {
    "connection_id": "18183edc-0052-48ba-a3b9-93701fb5ef3d",
    "their_role": "inviter",
    "created_at": "2023-01-12T01:59:21.669232Z",
    "rfc23_state": "request-sent",
    "invitation_msg_id": "9c3a8011-a6a8-4dc9-9c01-117a4d85d562",
    "alias": "Proven Verifier",
    "invitation_mode": "once",
    "their_label": "Proven Verifier",
    "invitation_key": "5ATJxMugLdf9jN2Su5b1Ro3U3Vz9CJELocNR48duiFNw",
    "state": "request",
    "connection_protocol": "connections/1.0",
    "routing_state": "none",
    "request_id": "9b79fb74-bb51-4c42-b071-affd434f1e02",
    "accept": "auto",
    "updated_at": "2023-01-12T01:59:21.688874Z",
    "my_did": "BVPLpYxs8TaeCVkavz1bNd"
  }
}
```

# Read Invitations

/api/v1/invitations - GET

Retrieve the list of invitations created

## URL Parameters

URL parameters should be hyphen separated in case they ever interact with a system that needs to be search engine indexed.

Field name	Expected type/values	Examples	Notes
sort-field	text	contact_id	Optional, Any of the field names listed in the "Create invitation" POST body plus invitation_id
sort-direction	text	ASC	Optional, ASC or DESC
page-size	int	10	Optional, how many items should be returned in a page
current-page	int	2	Optional, the current page to retrieve

## Sample URLs

Use all the features

```
https://domain-name.com/api/v1/invitations?sort-field=contact_id&sort-direction=ASC&page-size=10&current-page=2
```

Default sorting is ok, but we are exploring a big batch

```
https://domain-name.com/api/v1/invitations?page-size=50&current-page=5
```

## Return Body

Note: The following is the original design for the return body, but the current API code returns what follows in the Sample Return Body below. The table and the API will need to be brought into agreement, but this at least shows the kinds of data that can be returned.

The Return Body has three sections:

1. params: The pagination and sorting parameters
2. rows: The array of invitations



3. count: The number of items returned

Params:

"sort": "DESC", "pageSize": "10", "currentPage": 1, "pageCount": 1, "itemCount": 1

Rows:

Each row in the rows array has the following properties.

Field name	Expected type/values	Examples	Notes
invitation_id	int	4325	integer used as the database ID for this record
contact_id	text	joe_123	Contact ID string
oob_id	text	db6da148-33e e-4108-96d9-f3 9bee835981	An ID used to identify an Out of Band (OOB) connection
connection_id	text	db6da148-33e e-4108-96d9-f3 9bee835981	An ID used to identify a CV1 connection
invitation_type	text	CV1	CV1 or OOB (Connections v. 1 or Out of Band)
invitation_mode	text	Once	Multi, Once (or "Static," but for developers use only)
public	text	false	true or false
accept	text	Auto	Auto, Manual
invitation_role	text	holder	Optional string describing this connection's role (such as "holder")

alias	text	Acme Issuer	A string for how this connection should be "named."
invitation_description	text	General purpose issuer	Optional string describing the purpose of this invitation
invitation_status	text	Active	Optional; Active, Inactive, Deleted; this is not an ACA-Py field, but allows our controller to utilize invitations intelligently. Defaults to Active
invitation_active_starting_at	timestamp	1673006896	Optional unix timestamp stating when the controller should begin recognizing this invitation as active. If not provided, set to the current time. Caution, the controller can be bypassed and does not strictly control ACA-Py.
invitation_active_ending_at	timestamp	1674106896	Optional unix timestamp stating when the controller should stop recognizing this invitation as active. Can be null (doesn't end). Caution, the controller can be bypassed and does not strictly control ACA-Py.
invitation_uses_allowed	int	100	Optional number of uses that the controller will allow this invitation. Caution, the controller can be bypassed and does not strictly control ACA-Py.



```

    "@type":
"did:sov:BzCbsNYhMrjHiqZDTUASHg;spec/connections/1.0/invitation",
    "@id": "8ba2e156-0552-4d76-b1dc-a331560083ea",
    "label": "Proven",
    "routingKeys": [
      "FGK5zxcrMyeePnFMSea2e5uFaxiHn5LV9URuy2w2qRMo",
      "2DAB6MSevnqcsfh32H8AkvPHpssVf7ZytRVG98SuvWR5"
    ],
    "recipientKeys": [
      "FwerQxgyhiD74M55spCNChDEXGyUjjJzxgtkSzjoAQTa"
    ],
    "serviceEndpoint": "https://proven.mediator.indiciotech.io"
  },
  "accept": "auto",
  "their_role": "Holder",
  "their_label": "CV1",
  "service_endpoint": "https://proven.mediator.indiciotech.io",
  "domain": "proven.mediator.indiciotech.io",
  "path": "",
  "workflow_status": "active",
  "state": "invitation",
  "description": "Invitation created through API",
  "active_starting_at": "2023-01-12T01:01:42.964Z",
  "active_ending_at": null,
  "uses_allowed": 1,
  "uses_total": 0,
  "created_at": "2023-01-12T01:01:42.964Z",
  "updated_at": "2023-01-12T01:01:42.964Z"
}
],
"count": 1
}
}

```

# Read Invitation

/api/v1/invitations/id - GET

Retrieve a single invitation by ID

## URL Parameters

There are no URL parameters for this GET call.

## Sample URL

`https://domain-name.com/api/v1/invitations/12453`

## Return Body

Note: The following is the original design for the return body, but the current API code returns what follows in the Sample Return Body below. The table and the API will need to be brought into agreement, but this at least shows the kinds of data that can be returned.

Field name	Expected type/values	Examples	Notes
invitation_id	int	4325	integer used as the database ID for this record
contact_id	text	joe_123	Contact ID string
invitation_type	text	CV1	CV1 or OOB (Connections v. 1 or Out of Band)
invitation_mode	text	Once	Multi, Once (or "Static," but for developers use only)
public	text	false	true or false
accept	text	Auto	Auto, Manual
invitation_role	text	holder	Optional string describing this connection's role (such as "holder")
alias	text	Acme Issuer	A string for how this connection should be "named."

invitation_description	text	General purpose issuer	Optional string describing the purpose of this invitation
invitation_status	text	Active	Optional; Active, Inactive, Deleted; this is not an ACA-Py field, but allows our controller to utilize invitations intelligently. Defaults to Active
invitation_active_starting_at	timestamp	1673006896	Optional unix timestamp stating when the controller should begin recognizing this invitation as active. If not provided, set to the current time. Caution, the controller can be bypassed and does not strictly control ACA-Py.
invitation_active_ending_at	timestamp	1674106896	Optional unix timestamp stating when the controller should stop recognizing this invitation as active. Can be null (doesn't end). Caution, the controller can be bypassed and does not strictly control ACA-Py.
invitation_uses_allowed	int	100	Optional number of uses that the controller will allow this invitation. Caution, the controller can be bypassed and does not strictly control ACA-Py.
invitation_uses_total	int	42	The number of times this invitation has been used.

### Sample Return Body

```
{
  "invitation": {
    "invitation_id": 1,
```

```

"oob_id": null,
"contact_id": "49",
"connection_id": "db6da148-33ee-4108-96d9-f39bee835981",
"my_did": null,
"alias": "API Invitation",
"invitation_key": "FwerQxgyhiD74M55spCNChDEXGyUjjJzxgkSszjoAQTa",
"invitation_mode": "once",
"invitation_url":
"https://proven.mediator.indiciotech.io?c_i=eyJAdHlwZSI6ICJkaWQ6c292OkJ6Q2
JzTlloTXJqSGlxWkRUVUFTSGc7c3BlYy9jb25uZWN0aW9ucy8xLjAvaW52aXRhdGlvbiIsICJA
aWQiOiAiOGJhMmUxNTYtMDU1Mi00ZDc2LWlxZGMtYTMzMTU2MDA4M2VhIiwgImxhYmVsIjogIl
Byb3ZlbiIsICJyb3V0aW5nS2V5cyI6IFsiRkdLNXp4Y3JNeWV1UG5GTVNlYTJlNXVGYXhpSG41
TFY5VVJleTJ3MnFSTW8iLCAiMkRBQjZNU2V2bnFjc2ZomZJIOEFrdlBIcHNzVmY3Wnl0U1ZHOT
hTdXZXUjUiXSwgInJlY2lwaWVudEtleXMiOiBbIkZ3ZXJReGd5aGlENzRNNTVzcENOQ2hERVhH
eVVqakp6eGd0a1N6am9BUVRhIl0sICJzZXJ2aWNlRW5kcG9pbmQiOiAiaHR0cHM6Ly9wcm92ZW
4ubWVkaWF0b3IuaW5kaWNpb3RlY2guaW8ifQ==",
  "invitation_msg_id": "8ba2e156-0552-4d76-b1dc-a331560083ea",
  "invitation": {
    "@type":
"did:sov:BzCbsNYhMrjHiqZDTUASHg;spec/connections/1.0/invitation",
    "@id": "8ba2e156-0552-4d76-b1dc-a331560083ea",
    "label": "Proven",
    "routingKeys": [
      "FGK5zxcMyeePnFMSea2e5uFaxiHn5LV9URuy2w2qRMo",
      "2DAB6MSevnqcsfh32H8AkVPHpssVf7ZytRVG98SuvWR5"
    ],
    "recipientKeys": [
      "FwerQxgyhiD74M55spCNChDEXGyUjjJzxgkSszjoAQTa"
    ],
    "serviceEndpoint": "https://proven.mediator.indiciotech.io"
  },
  "accept": "auto",
  "their_role": "Holder",
  "their_label": "CV1",
  "service_endpoint": "https://proven.mediator.indiciotech.io",
  "domain": "proven.mediator.indiciotech.io",
  "path": "",
  "workflow_status": "active",
  "state": "invitation",
  "description": "Invitation created through API",
  "active_starting_at": "2023-01-12T01:01:42.964Z",
  "active_ending_at": null,
  "uses_allowed": 1,
  "uses_total": 0,
  "created_at": "2023-01-12T01:01:42.964Z",
  "updated_at": "2023-01-12T01:01:42.964Z"

```

```
}  
}
```

## Offer (Create) Credential

/api/v1/credentials - POST

Request that a credential be issued to a contact

### Post Body Information

Field name	Expected type/values	Examples	Notes
invitation_id	int	1	Optional integer to tie this issuance to a connection via a particular invitation_id. Used with contact_id, has second priority
contact_id	string	john_doe_123	Optional contact string that can be used for calls that require a known contact. Used with invitation_id, has first priority
schema_id	string	BXtzYPyPdiVKGajkqtPexs:2:Email:1.0	
attributes	string (JSON)	{ JSON }	JSON list of attributes and the value assigned to them



## Sample POST Body

```
{
  "invitation_id": null,
  "contact_id": "50",
  "schema_id": "BXtzYPyPdiVKGAjkqtPexs:2:Email:1.0",
  "attributes": [
    {
      "name": "local_part",
      "value": "john"
    },
    {
      "name": "domain",
      "value": "example.com"
    },
    {
      "name": "address",
      "value": "john@example.com"
    },
    {
      "name": "verified_at",
      "value": "1670296277"
    }
  ]
}
```

## Return Body

Field name	Expected type/values	Examples	Notes
success or failure	string (JSON)	{success: 'Relevant message'} or {error: 'Relevant error message'}	

## Sample Return Body

```
{
  "success": "Credential was offered"
}
```

# Read Credential

/api/v1/credentials/id - GET

Retrieve information about a particular credential (offer or issued)

## URL Parameters

There are no URL parameters for this GET call.

## Sample URL

`https://domain-name.com/api/v1/credentials/12453`

## Return Body

Note: The following is the original design for the return body, but the current API code returns what follows in the Sample Return Body below. The table and the API will need to be brought into agreement, but this at least shows the kinds of data that can be returned.

Field name	Expected type/values	Examples	Notes
invitation_id	int	1	Optional integer to tie this issuance to a connection via a particular invitation_id. Used with contact_id, has second priority
contact_id	string	john_doe_123	Optional contact string that can be used for calls that require a known contact. Used with invitation_id, has first priority
schema_id	string	BXtzYPyPdiVKGajkqtPexs:2:Email:1.0	
attributes	string (JSON)	{ JSON }	JSON list of attributes and the value assigned to them

## Sample Return Body

```
{
  "credential": {
    "credential_exchange_id": "ef080667-76cf-4cf6-ba90-c22943545aa1",
    "credential_id": null,
    "credential": {
      "schema_id": "BXtzYPyPdiVKGAjkqtPexs:2:Email:1.0",
      "cred_def_id": "R3J9No2xGAFnczgwGYLE2k:3:CL:71608:default"
    },
    "raw_credential": null,
    "revocation_id": null,
    "connection_id": "35aed757-86a2-4085-9b7a-a3dbe5359c10",
    "state": "credential_acked",
    "role": "issuer",
    "initiator": "self",
    "thread_id": "5af0312f-30fc-4120-a187-8aec95dbe08a",
    "parent_thread_id": null,
    "schema_id": "BXtzYPyPdiVKGAjkqtPexs:2:Email:1.0",
    "credential_definition_id": "R3J9No2xGAFnczgwGYLE2k:3:CL:71608:default",
    "revoc_reg_id": null,
    "credential_proposal_dict": {
      "@type":
"did:sov:BzCbsNYhMrjHiqZDTUASHg;spec/issue-credential/1.0/propose-credential",
      "@id": "bdfcdacc-aecb-4d5a-beff-2581fb07a3ca",
      "comment": "",
      "schema_version": "1.0",
      "schema_name": "Email",
      "schema_id": "BXtzYPyPdiVKGAjkqtPexs:2:Email:1.0",
      "cred_def_id": "R3J9No2xGAFnczgwGYLE2k:3:CL:71608:default",
      "schema_issuer_did": "BXtzYPyPdiVKGAjkqtPexs",
      "credential_proposal": {
        "@type":
"did:sov:BzCbsNYhMrjHiqZDTUASHg;spec/issue-credential/1.0/credential-preview",
        "attributes": [
          {
            "name": "local_part",
            "value": "john"
          },
          {
            "name": "domain",
            "value": "example.com"
          },
          {
            "name": "address",
```

```

        "value": "john@example.com"
    },
    {
        "name": "verified_at",
        "value": "1670296277"
    }
]
},
"credential_offer": {
    "schema_id": "BXtzYPyPdiVKGAjkqtPexs:2:Email:1.0",
    "cred_def_id": "R3J9No2xGAFnczgwGYLE2k:3:CL:71608:default",
    "nonce": "822087841566413402440589",
    "key_correctness_proof": {
        "c":
"4990118269034094732428078262571331170988004109135566366469306273514299567
0095",
        "xz_cap":
"4518308108400941171234472961835258732700808076766663825784535252286174912
80904212868625528247517815060072015786603690094661325808270828717327043722
73130038036916899444851214871375524946631615261873465411959398522834062370
48929064799947083973738887614343413745674326478840210093948670036075620509
67469993995925176824788927067046397432556423100452789797861829738230543550
79877320299380094120752762920523288276908356915555522671671874509821003301
08657824798325895167602167018083836811736247630347927557083814189561880387
07245930668883713117886796167969475397732828906183933941935387249084430083
00428986638469980877965520414601960008045118482436014902279714358894686502
8106909469233258788599433920",
        "xr_cap": [
            [
                "local_part",

"1626137880641254900912985322150182058190308782039097271265750159057536091
67817516728995286746819581258214200273333571058168600449933224534487565978
80742291488025563943059026780407726785807183356998366065065191455851388848
08865618997435118349712862293764105041285544141625902721805425058910929961
40615754687482085899669056225004196797836702852738130538226713322999364664
14056586862798185741075582858289984234990685178357622476919471187547738373
54271711023018308885984035647460484994935519206154995497223720737821407582
54766168789820296979440840911008157144381557917609170565060363885544387116
59518001327266765197912447630882055864328022990597827164245101984752559349
3972129980604655304642766889"
            ],
            [
                "verified_at",

```

```
"6322675261080944599538286457361518290333625516303610937582753899342679956
23964369396791251591226898057104008396398469529493989048040125734075594833
98804022976372047452078435501823714272106494427309437683459152067456408054
77065908475394778215874716713548316760031597738992652140799908796646753667
10302016348439891525596017564202647709491779448808448397521806907130757686
28057047001120126853663578720070639116232096886216356299491722592175021274
08701583491190087937866210610152660662671275832290934286757344633463571282
58988085885648917495143166978644899612878894081452508525083032104133483338
78717214971310891322234828480715381704429072101179551148360992265655235091
1370440752126705164126990804"
```

```
],
```

```
[
```

```
  "master_secret",
```

```
"8679395363396532388747555368876875961673861686603235905043216284158637590
29256104090803146724696641021986643088966002084364230630754249211331260598
09386815853913082401500731331252826198602645871934369319656514091044612625
37333686559072430826786558271378540125923657003075594624919089568148795367
58080897235618521608375389614264104115318280317869855686322438314453397004
45087618197151862564339711794896908902047874929834073844220093472700884142
56640934188255316683162235339360287224659224965811331550031233351870458603
88490869134799359276125415723812557781369057129930729897084629270750629260
33845523353558931845264346151203451330539072984984867017067296914229419494
4874852412793402705129699766"
```

```
],
```

```
[
```

```
  "domain",
```

```
"2846060191838035200829489944320774285951035058640400192491702292011260145
98019506971661941470303032822707069374924735396889789716042916489846828445
12217279590855223163073042187192803455092969366630528978218720220356199641
27448542606481385507768412482119676118533127337001524639266489966580017924
46799573343746077266473901985665823670060333398039242946706000757103796603
55179389763154492347663494075667882366966575266522074788081444475285590021
62843616974298014214543756793885915902589415986212321834729160246155042696
57682537185313875295770128339280649680084402621164119659335030695413389272
48945878006205832583495249732199603607554791522379273532169478763033052225
1391555243575769191251345376"
```

```
],
```

```
[
```

```
  "address",
```

```
"1015886739642359813784006093737341794604940944465595233981501749752482090
41266986015220697267432025164142441044494040883922626714777264723281298193
26951916323176014896279206740094011741826544910917086775993476747543405139
```

```

51030181647355208099119526432175551019903381537963969658358712442311156510
44035153087538451052040358421826308782204480065592682293507315846217921224
85491359335884347337571697955414175851197619904107458848128283257055410477
35137420017633674028583975771378541166413116443569055067012229699580165215
72203923606756049916068324890929091753551163196871742001798089599387877115
82988625508532321718200037600446151974122083839501503382418421051742565304
45041058801295039649752022561"
    ]
  ]
}
},
"credential_offer_dict": {
  "@type":
"did:sov:BzCbsNYhMrjHiqZDTUASHg;spec/issue-credential/1.0/offer-credential
",
  "@id": "5af0312f-30fc-4120-a187-8aec95dbe08a",
  "~thread": {},
  "comment": "",
  "credential_preview": {
    "@type":
"did:sov:BzCbsNYhMrjHiqZDTUASHg;spec/issue-credential/1.0/credential-previ
ew",
    "attributes": [
      {
        "name": "local_part",
        "value": "john"
      },
      {
        "name": "domain",
        "value": "example.com"
      },
      {
        "name": "address",
        "value": "john@example.com"
      },
      {
        "name": "verified_at",
        "value": "1670296277"
      }
    ]
  },
  "offers~attach": [
    {
      "@id": "libindy-cred-offer-0",
      "mime-type": "application/json",
      "data": {

```







```
    "u":
"4680002153023796928409032434649506398897662185726155775027891851994092380
63565783358626248398594875245418230776775564411924755149925632091089120156
38710330639942125256355396966535343558892001074275408942655891886295184678
64125364214621473553401289846001058471872419828828418874583170241015497623
71371325157880024566522754894241127903416022874948342690512128761545329149
10556047957799925436808962677369367879140035143538052163272842016135013063
42903720220384678152685675253081657578264360838896223550067829987318371756
81792690390097918035062705451107483279912947190405479738365185947882052738
10717764370454599445447278",
    "ur": null,
    "hidden_attributes": [
      "master_secret"
    ],
    "committed_attributes": {}
  },
  "blinded_ms_correctness_proof": {
    "c":
"4053614324174362825893669928324542494088573438754455319872729457279126692
0403",
    "v_dash_cap":
"8831770386943681144813296168438348390549631962209057859715331448103091367
01222702943594066492106001052399383979915538547239566071973573939720402547
9307749927182388272142101512355274933659500553753020986532891210183478974
96907535364959867029732814012495995020625009593462173840708057719308176129
97622710451580399703738320346798317304966232160419522390778531772264245653
01272647182219711893510037287919088768046475040309857639026918654086937735
32246535578647944466857502407924404652398333295684649870558618336372523240
37456830281191333201103630196326072370116669844789497662924954619362164816
11443869924456385131518125527445641366752433468722359538054774632190292915
4729468614104646688523191174124327021474449864493218",
    "m_caps": {
      "master_secret": "206911200623810144918921939932730411267160618374467902349
22519579985025763036896860907193115702062113063663740977434250851441361334
409429989476661565417278527527204369609454615777"
    },
    "r_caps": {}
  },
  "nonce": "102157601518320893556510"
},
"credential_request_metadata": null,
"auto_issue": true,
"auto_offer": false,
"auto_remove": false,
"error_msg": null,
```

```
"trace": false,  
"created_at": "2023-01-12T07:45:57.030Z",  
"updated_at": "2023-01-12T07:49:37.232Z"  
}  
}
```

# Request Verification

/api/v1/verifications - POST

Verify a credential from a contact by requesting a presentation

## Post Body Information

Field name	Expected type/values	Examples	Notes
invitation_id	int	1	Optional integer to tie this verification to a connection via a particular invitation_id
contact_id	text	john_doe_123	Optional string to tie this verification to connections associated with a particular contact
schema_id	text	BXtzYPyPdiVKGajkqtPexs:2:Email:1.0	
schema_attributes	text (JSON)	[ "date_of_birth" ]	JSON list of attributes
rule	text	"no rule"	Text string that names the rule to follow (typically tied to machine readable governance)

timeout	int	7	Number of seconds to wait for a result before returning the result of the verification (even if that result is incomplete)
meta_data	object	"metadata": { "merchant_id": "if needed", "processor_id": "if needed" }	Field to store additional values specific to the client's use case (such as merchant_id or processor_id). Nested JSON

## Sample POST Bodies

```
{
  "invitation_id": "1",
  "contact_id": "",
  "schemas": [
    {
      "schema_id": "MzGj69GREx94fR2af2xYEC:2:Drivers_License:1.0",
      "schema_attributes": ["first_name"]
    },
    {
      "schema_id": "MzGj69GREx94fR2af2xYEC:2:Drivers_License:1.0",
      "schema_attributes": ["last_name"]
    },
    {
      "schema_id": "MzGj69GREx94fR2af2xYEC:2:Drivers_License:1.0",
      "schema_attributes": ["date_of_birth"]
    }
  ],
  "rule": "no rule",
  "timeout": "7",
  "metadata": {
    "merchant_id": "if needed",
```

```
"processor_id": "if needed"  
}  
}
```

## Return Body

Field name	Expected type/values	Examples	Notes
verification_id	int	Content from cell 3	An ID that allows you to refer to this verification later on
invitation_id	int	Content from cell 3	If an invitation_id is available (not all states of the system will include one), it is included here
contact_id	text	Content from cell 3	If a contact_id is available (not all states of the system will include one), it is included here
schema_id	text	BXtzYPyPdiVKGajkqtPexs:2:Email:1.0	
schema_attributes	text (JSON)	Content from cell 3	JSON list of attributes and the value assigned to them

rule	text	Content from cell 3	Text string indicating which rule was/is to be followed
meta_data	text (JSON)	Content from cell 3	Field containing the meta data originally submitted with the verification request
timeout	int		
complete	boolean	true	true or false
result	boolean	false	true or false
result_string	text	"The credential was verified"	String to describe the verification outcome in human readable terms
result_data	text (JSON)	Content from cell 3	JSON, contains the presented attributes
error	text	Content from cell 3	String describing the latest problem to occur with the verification
created_at	timestamp	1673006896	
updated_at	timestamp	1674009816	

## Sample Return Body

```
[
  {
    "verification_id": 1,
    "connection_id": null,
    "contact_id": "50",
    "invitation_id": null,
    "schema_id": "BXtzYPyPdiVKGAjkqtPexs:2:Email:1.0",
    "schema_attributes": [
      "address"
    ],
    "timeout": 10,
    "rule": "no rule",
    "meta_data": null,
    "complete": false,
    "result": false,
    "result_string": null,
    "result_data": null,
    "presentation_exchange_id": [
      "19059d08-2c30-4626-a29e-dc781589683d"
    ],
    "error": "",
    "created_at": "2023-01-12T08:59:11.218Z",
    "updated_at": "2023-01-12T08:59:12.256Z"
  }
]
```

# View Verification Result

/api/v1/verifications/id - GET

Request the result of a single verification by ID

## URL Parameters

There are no URL parameters for this GET call.

## Sample URL

`https://domain-name.com/api/v1/verifications/12453`

## Return Body

Note: The following is the original design for the return body, but the current API code returns what follows in the Sample Return Body below. The table and the API will need to be brought into agreement, but this at least shows the kinds of data that can be returned.

Field name	Expected type/values	Examples	Notes
verification_id	int	Content from cell 3	An ID that allows you to refer to this verification later on
invitation_id	int	Content from cell 3	If an invitation_id is available (not all states of the system will include one), it is included here
contact_id	text	Content from cell 3	If a contact_id is available (not all states of the system will include one), it is included here



schema_id	text	BXtzYpYPdiVKGajkqtPexs:2:Email:1.0	
schema_attributes	text (JSON)	Content from cell 3	JSON list of attributes and the value assigned to them
rule	text	Content from cell 3	Text string indicating which rule was/is to be followed
meta_data	text (JSON)	Content from cell 3	Field containing the meta data originally submitted with the verification request
timeout	int		
complete	boolean	true	true or false
result	boolean	false	true or false
result_string	text	"The credential was verified"	String to describe the verification outcome in human readable terms
result_data	text (JSON)	Content from cell 3	JSON, contains the presented attributes

error	text	Content from cell 3	String describing the latest problem to occur with the verification
created_at	timestamp	1673006896	
updated_at	timestamp	1674009816	

## Sample Return Body

```
{
  "verification_id": 1,
  "connection_id": "35aed757-86a2-4085-9b7a-a3dbe5359c10",
  "contact_id": "50",
  "invitation_id": null,
  "schema_id": "BXtzYPyPdiVKGajkqtPexs:2:Email:1.0",
  "schema_attributes": [
    "address"
  ],
  "timeout": 10,
  "rule": "no rule",
  "meta_data": null,
  "complete": true,
  "result": true,
  "result_string": "Verified",
  "result_data": [
    {
      "name": "address",
      "value": "mike@indicio.tech"
    }
  ],
  "presentation_exchange_id": [
    "19059d08-2c30-4626-a29e-dc781589683d"
  ],
  "error": "",
  "created_at": "2023-01-12T08:59:11.218Z",
  "updated_at": "2023-01-12T09:03:52.472Z"
}
```