

# MettlCertiCHECK API Documentation

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## Table of Contents

<b>1</b>	<b>README</b>	<b>4</b>
1.1	What is MettlCertiCHECK	4
1.2	Prerequisites for using MettlCertiCHECK APIs	4
1.3	MettlCertiCHECK Workflows	4
1.4	What can be done using MettlCertiCHECK APIs	4
<b>2</b>	<b>TimeZone API</b>	<b>5</b>
2.1	Get all Time Zones	5
2.2	Set Admin Time Zone	6
<b>3</b>	<b>Account API</b>	<b>7</b>
3.1	Get Account Details	7
3.2	Change Account Settings	8
<b>4</b>	<b>Applicants API</b>	<b>10</b>
4.1	Register Applicant- Create an Applicant account	10
4.2	Add Applicants for a particular MettlCertiCHECK test( in invite only account)	14
4.3	Login Applicants - (Only when asAdminVerified is set as True)	18
4.4	Details of enrolled Applicants in a slot window	19
4.5	GET details of all the applicants in all the assessments	21
4.6	GET details of all the applicants in an Assessment	23

4.7	GET details of an Applicant in multiple assessments	25
4.8	GET details of an Applicant in an assessment	27
<b>5</b>	<b>Slot API</b>	<b>29</b>
5.1	Create a Slot	29
5.2	Get All Slots	31
5.3	Get a Slot's Details	33
5.4	Book Slot	35
5.5	Release Slot	36
5.6	Delete Slot Window	37
<b>6</b>	<b>Test Id API</b>	<b>38</b>
6.1	Get Test Ids in an account	38
<b>7</b>	<b>List of Error Codes</b>	<b>40</b>
<b>8</b>	<b>Security and authentication</b>	<b>42</b>
<b>9</b>	<b>Glossary</b>	<b>44</b>

# 1. README

Welcome to MettlCertiCHECK APIs. This document details REST based MettlCertiCHECK APIs using which the API consumer can integrate with Mettl application.

## 1.1 What is MettlCertiCHECK Platform

It is a Market Leading SaaS based Solution for End-to-End Online MettlCertiCHECK Programs.

## 1.2 Prerequisites for using MettlCertiCHECK APIs

The API consumer (who-so-ever wants to use MettlCertiCHECK APIs) should have a valid **MettlCertiCHECK account** and should be familiar with **MettlCertiCHECK platform's terminologies**. The applicant needs to register him/her self on MettlCertiCHECK Platform. Applicant has checked and met the minimum compatibility requirements on his/her laptop/PC. You would also need a pair of **Access Keys** to use our APIs. Please contact your **Account/Sales Manager** at Mettl to get these keys or **send an email to [support@mettl.com](mailto:support@mettl.com)**. Please note that only organizations with prior permission can use MettlCertiCHECK APIs.

## 1.3 MettlCertiCHECK Workflows

### 1. With Slot Booking -

InvitationOnly- [https://drive.google.com/open?id=1FRyi1ITgsJxrkUn6KQmWBW-To6c9D\\_3m](https://drive.google.com/open?id=1FRyi1ITgsJxrkUn6KQmWBW-To6c9D_3m)

OpenForAll- <https://drive.google.com/open?id=1hb0BwWcHjfKJNuY2rZBsqKLxaZCnMk9v>

### 2. Without Slot Booking-

InvitationOnly- <https://drive.google.com/file/d/1Gx6ZvpHYv1rlc5kHCMWj1KsHh-PS9HfF/view?usp=sharing>

OpenForAll- [https://drive.google.com/file/d/1vP\\_2FXbn9MnBdCtXj3HvBmUd4I7gCqoi/view?usp=sharing](https://drive.google.com/file/d/1vP_2FXbn9MnBdCtXj3HvBmUd4I7gCqoi/view?usp=sharing)

### 3. With Direct Applicant Login-

InvitationOnly- [https://drive.google.com/file/d/1U1ioGAaTFiI94EXJVhPxj01J3J\\_q\\_KYk/view?usp=sharing](https://drive.google.com/file/d/1U1ioGAaTFiI94EXJVhPxj01J3J_q_KYk/view?usp=sharing)

OpenForAll- [https://drive.google.com/file/d/12Ri-ZSXwzsz0jLn\\_ecEDGL6SXmEeojjx/view?usp=sharing](https://drive.google.com/file/d/12Ri-ZSXwzsz0jLn_ecEDGL6SXmEeojjx/view?usp=sharing)

## 1.4 What can be done using MettlCertiCHECK APIs

Using MettlCertiCHECK APIs mentioned in this document the API consumer can achieve the following –

1. Make MettlCertiCHECK account settings
2. Get MettlCertiCHECK account details with applicant registration.
3. Create Slots and slot windows for MettlCertiCHECK account
4. Register applicants with or without Direct applicant login.
5. Registers applicant(s) within the test(s) or removes the applicant(s) from (tests).
6. Register applicant(s) into slots
7. Fetch results of applicants.

## 2. TimeZone APIs:

### 2.1 Get all Time Zones API:

Get list of timezones.

Request URL	<a href="http://certification.mettl.com/api/v2/getAllTimezones">http://certification.mettl.com/api/v2/getAllTimezones</a>																													
Method	GET																													
Arguments	<table border="1"> <thead> <tr> <th>Name</th> <th>Mandatory</th> <th>Default</th> <th>Allowed Values</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ts</td> <td>Yes</td> <td>-</td> <td>current time-stamp</td> <td>For details on the format of the timestamp refer to "Security &amp; Authentication"</td> </tr> <tr> <td>ak</td> <td>Yes</td> <td>-</td> <td>Client's API key</td> <td>Unique API Key is assigned to the client on registering for using Mettl APIs</td> </tr> <tr> <td>asgn</td> <td>Yes</td> <td>-</td> <td>Generated request signature</td> <td>For details on "signature generation" refer to "Security &amp; Authentication"</td> </tr> <tr> <td>subdomain</td> <td>Yes</td> <td></td> <td>&lt;subdomain&gt;</td> <td>Subdomain of the client</td> </tr> </tbody> </table>					Name	Mandatory	Default	Allowed Values	Description	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"	subdomain	Yes		<subdomain>	Subdomain of the client
	Name	Mandatory	Default	Allowed Values	Description																									
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	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"																									
subdomain	Yes		<subdomain>	Subdomain of the client																										
Response	<b>Returns the list of all the time zones.</b>																													

[Scroll to Top](#)

[Scroll To Glossary](#)

## 2.2 Set Admin Time Zone API:

Set time zone for MettlCertiCHECK account. One time activity.

Request URL	<a href="http://certification.mettl.com/api/v2/setAdminTimeZone">http://certification.mettl.com/api/v2/setAdminTimeZone</a>																																		
Method	POST																																		
Arguments	<table border="1"> <thead> <tr> <th>Name</th> <th>Mandatory</th> <th>Default</th> <th>Allowed Values</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ts</td> <td>Yes</td> <td>-</td> <td>current time-stamp</td> <td>For details on the format of the timestamp refer to "Security &amp; Authentication"</td> </tr> <tr> <td>ak</td> <td>Yes</td> <td>-</td> <td>Client's API key</td> <td>Unique API Key is assigned to the client on registering for using Mettl APIs</td> </tr> <tr> <td>asgn</td> <td>Yes</td> <td>-</td> <td>Generated request signature</td> <td>For details on "signature generation" refer to "Security &amp; Authentication"</td> </tr> <tr> <td>data</td> <td>YES</td> <td></td> <td>JSON formatted values</td> <td>Details for setting the timezone.</td> </tr> <tr> <td>subdomain</td> <td>Yes</td> <td></td> <td>&lt;subdomain&gt;</td> <td>Subdomain of the client</td> </tr> </tbody> </table>					Name	Mandatory	Default	Allowed Values	Description	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"	data	YES		JSON formatted values	Details for setting the timezone.	subdomain	Yes		<subdomain>	Subdomain of the client
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	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"																														
	data	YES		JSON formatted values	Details for setting the timezone.																														
	subdomain	Yes		<subdomain>	Subdomain of the client																														
Request	<pre>data: {   "tzid": "Asia/Kolkata" }</pre>																																		
Response	<pre>{"status": "SUCCESS"} {"status": "ERROR", "error": {"code": "E104", "message": "Sorry, time zone is already set for this account."}}</pre>																																		

### 3. Account API

#### 3.1. Get MettlCertiCHECK Account Details

Get MettlCertiCHECK account details with applicant registration.

Request URL	<a href="http://certification.mettl.com/api/v2/accountSettings">http://certification.mettl.com/api/v2/accountSettings</a>																													
Method	GET																													
Arguments	<table border="1"> <thead> <tr> <th>Name</th> <th>Mandatory</th> <th>Default</th> <th>Allowed Values</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ts</td> <td>Yes</td> <td>-</td> <td>current time-stamp</td> <td>For details on the format of the timestamp refer to "Security &amp; Authentication"</td> </tr> <tr> <td>ak</td> <td>Yes</td> <td>-</td> <td>Client's API key</td> <td>Unique API Key is assigned to the client on registering for using Mettl APIs</td> </tr> <tr> <td>asgn</td> <td>Yes</td> <td>-</td> <td>Generated request signature</td> <td>For details on "signature generation" refer to "Security &amp; Authentication"</td> </tr> <tr> <td>subdomain</td> <td>Yes</td> <td></td> <td>&lt;subdomain&gt;</td> <td>Subdomain of the client</td> </tr> </tbody> </table>					Name	Mandatory	Default	Allowed Values	Description	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"	subdomain	Yes		<subdomain>	Subdomain of the client
	Name	Mandatory	Default	Allowed Values	Description																									
	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"																									
	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs																									
	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"																									
subdomain	Yes		<subdomain>	Subdomain of the client																										
Response	JSON containing success/failure response for Init API <pre>{   "status": "SUCCESS",   "accountInfo": { "email": "john.doe@nextbigapp.com",     "username": "John Doe",     "termsAndConditionUrl": "http://joedoe.com/terms-and-conditions",     "applicatnRegistrationFields": [       { "name": "Email Address", "type": "TextBox", "required": true },       { "name": "First Name", "type": "TextBox", "required": true },       { "name": "Date of birth", "type": "Calendar", "required": false, "validate": false }     ]   } }</pre>																													

[Scroll to Top](#)

[Scroll To Glossary](#)

```
}
}
```

### 3.2 Change MettlCertiCHECK Account Settings

To change settings of MettlCertiCHECK account

Request URL	<a href="http://certification.mettl.com/api/v2/accountSettings">http://certification.mettl.com/api/v2/accountSettings</a>																																		
Method	POST																																		
Arguments	<table border="1"> <thead> <tr> <th>Name</th> <th>Mandatory</th> <th>Default</th> <th>Allowed Values</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>as</td> <td>Yes</td> <td></td> <td>JSON formatted array of tests details</td> <td>Account settings</td> </tr> <tr> <td>ts</td> <td>Yes</td> <td>-</td> <td>current time-stamp</td> <td>For details on the format of the timestamp refer to "Security &amp; Authentication"</td> </tr> <tr> <td>ak</td> <td>Yes</td> <td>-</td> <td>Client's API key</td> <td>Unique API Key is assigned to the client on registering for using Mettl APIs</td> </tr> <tr> <td>asgn</td> <td>Yes</td> <td>-</td> <td>Generated request signature</td> <td>For details on "signature generation" refer to "Security &amp; Authentication"</td> </tr> <tr> <td>subdomain</td> <td>Yes</td> <td></td> <td>&lt;subdomain&gt;</td> <td>Subdomain of the client</td> </tr> </tbody> </table>					Name	Mandatory	Default	Allowed Values	Description	as	Yes		JSON formatted array of tests details	Account settings	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"	subdomain	Yes		<subdomain>	Subdomain of the client
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	as	Yes		JSON formatted array of tests details	Account settings																														
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	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"																														
subdomain	Yes		<subdomain>	Subdomain of the client																															
Request	<pre>{   "emailSettings": {     "sendSlotSelectionEmail": true,     "sendSlotReminderEmail": true,     "sendEmailOnAssigningTest": false // this setting is only for invite only accounts.   },   "applicantReportSettings": {     "showReportToApplicant": true,     "showResultOnTestCompletion": true   },   "applicantDashboardViewSettings": {     "sortByName": false, </pre>																																		

	<pre> "sortByPublishDate": true }, "weekendSlotSetting": {   "disableWeekendSlotting": true }, "dataSecuritySettings": {   "enableMettlSupportTeamAccess": true } } </pre>
Response	<pre> {   "status": "Success" } </pre>

## 4. Applicants API

### 4.1 Register Applicants - (Create an Applicant Account)

To invite applicants to create their account on MettlCertiCHECK platform.

Request URL	<a href="https://certification.mettl.com/api/v2/registerApplicant">certification.mettl.com/api/v2/registerApplicant</a>																			
Method	POST																			
Arguments	<table border="1"> <thead> <tr> <th>Name</th> <th>Mandatory</th> <th>Default</th> <th>Allowed Values</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>rd</td> <td>Yes</td> <td>-</td> <td>JSON formatted array of registration details</td> <td>Registration details of multiple applicants (max. 20 applicants) combined in JSON format</td> </tr> <tr> <td>ts</td> <td>Yes</td> <td>-</td> <td>current time-stamp</td> <td>For details on the format of the timestamp refer to "Security &amp; Authentication"</td> </tr> </tbody> </table>					Name	Mandatory	Default	Allowed Values	Description	rd	Yes	-	JSON formatted array of registration details	Registration details of multiple applicants (max. 20 applicants) combined in JSON format	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"
Name	Mandatory	Default	Allowed Values	Description																
rd	Yes	-	JSON formatted array of registration details	Registration details of multiple applicants (max. 20 applicants) combined in JSON format																
ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"																

ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs
subdomain	Yes		<subdomain>	Subdomain of the client
asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"

**Example:**

**(A) If the user wants to enable direct applicant login for applicants:**

```
rd = { "registrationDetails": [ { "Email Address": "albert@g.com", "First Name": "Albert", "Last Name": "Smith", "Date of birth": "Jan 29 1981", "Country": "United States"}, { "Email Address": "christian@g.com", "First Name": "Christian", "Last Name": "Smith", "Date of birth": "Jan 27 1982", "Country": "United States"}, { "Email Address": "shailesh@g.com", "First Name": "Shailesh", "Last Name": "Gupta", "Date of birth": "Jan 26 1981", "Country": "India"}, "optionalParams": [ { "email": "albert@g.com", "context_data": "sales profile applicant" }, { "email": "shailesh@g.com", "context_data": "technical profile candidate" } ], "sendEmail": false, "isAdminVerified": true }
```

**isAdminVerified:** If this flag is set true then SSO will be enabled for that applicant, if this parameter is not sent then by default its value is taken as false.

When isAdminVerifies is set as True it is considered as the credentials and authenticity of the applicant is checked by the client at their portal

**(B) If the user does not want the applicants to have a direct login and want to create accounts on MettlCertiCHECK platform:**

```
rd = { "registrationDetails": [ { "Email Address": "albert@g.com", "First Name": "Albert", "Last Name": "Smith", "Date of birth": "Jan 29 1981", "Country": "United States"}, { "Email Address": "christian@g.com", "First Name": "Christian", "Last Name": "Smith", "Date of birth": "Jan 27 1982", "Country": "United States"}, { "Email Address": "shailesh@g.com", "First Name": "Shailesh", "Last Name": "Gupta", "Date of birth": "Jan 26 1981", "Country": "India"}, "optionalParams": [ { "email": "albert@g.com", "context_data": "sales profile candidate" }, { "email": "shailesh@g.com", "context_data": "technical profile candidate" } ], "sendEmail": false }
```

**sendEmail:** If this flag is set as true then Mettl would send an account activation email to the applicant otherwise it won't.

By default this would be set as true and not sending this parameter in this request would imply the same.

You can send details of maximum 20 applicants at once for registration

Response

```
(A)
{
  "applicants": [
```

```

{
  "activationUrl": "http://automationinviteaccount.mettl.info/applicant/account/createPassword?em=ugccAX9pk9k8WqWKYWoKfJT8H1PVnR5ChBCh8rRbn54%3D",
  "email": "15223@yopmail.com",
  "status": "Activation Pending"
},
{
  "activationUrl": "http://automationinviteaccount.mettl.info/applicant/account/createPassword?em=ugccAX9pk9k8WqWKYWoKfJT8H1PVnR5ChBCh8rRbn54%3D",
  "email": "15222@yopmail.com",
  "status": "Activation Pending"
},
{
  "activationUrl": "http://automationinviteaccount.mettl.info/applicant/account/createPassword?em=ugccAX9pk9k8WqWKYWoKfJT8H1PVnR5ChBCh8rRbn54%3D",
  "email": "15221@yopmail.com",
  "status": "Activation Pending"
}
],
"status": "SUCCESS"
}

```

**(B) if hits again with same email id =>**

Response :-

```

{
  "applicants": [
    {
      "activationUrl": "http://automationinviteaccount.mettl.info/applicant/account/createPassword?em=ugccAX9pk9k8WqWKYWoKfJT8H1PVnR5ChBCh8rRbn54%3D",
      "email": "15221@yopmail.com",
      "status": "Activation Pending"
    }
  ],
  "status": "SUCCESS"
}

```

**(C) Get null if connection refused and execution still goes in success block**

**(D) If mandatory parameter is missing :-**

```
{
  "status": "ERROR",
  "error": {
    "code": "E003",
    "message": "Mandatory parameter First Name for registration not supplied for applicant #2"
  }
}
```

**(E) If you added again a deleted email id :-**

```
{
  "applicants": [
    {
      "email": "yo201@yopmail.com",
      "status": "Deleted"
    }
  ],
  "status": "SUCCESS"
}
```

We get deleted on first attempt to add deleted email again, if you will try again with same credentials you will get status PENDING.

**(F) If the applicant is added with isAdminVerified as True**

```
{
  "applicants": [
    {
      "email": "s2@yopmail.com",
      "status": "Active"
    }
  ],
  "status": "SUCCESS"
}
```

## 4.2 Add Applicants for a particular MettlCertiCHECK test( in invite only account)

This api registers applicant(s) within the test(s) or removes the applicant(s) from (tests).

Request URL	certification.mettl.com/api/v2/applicants/certificate																																		
Method	POST																																		
Arguments	<table border="1"> <thead> <tr> <th>Name</th> <th>Mandatory</th> <th>Default</th> <th>Allowed Values</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>atd</td> <td>Yes</td> <td>-</td> <td>JSON formatted array of tests details</td> <td>Allocated test details of multiple applicants (max. 20 applicants) combined in JSON format</td> </tr> <tr> <td>ts</td> <td>Yes</td> <td>-</td> <td>current time-stamp</td> <td>For details on the format of the timestamp refer to "Security &amp; Authentication"</td> </tr> <tr> <td>ak</td> <td>Yes</td> <td>-</td> <td>Client's API key</td> <td>Unique API Key is assigned to the client on registering for using Mettl APIs</td> </tr> <tr> <td>asgn</td> <td>Yes</td> <td>-</td> <td>Generated request signature</td> <td>For details on "signature generation" refer to "Security &amp; Authentication"</td> </tr> <tr> <td>subdomain</td> <td>Yes</td> <td></td> <td>&lt;subdomain&gt;</td> <td>Subdomain of the client</td> </tr> </tbody> </table>					Name	Mandatory	Default	Allowed Values	Description	atd	Yes	-	JSON formatted array of tests details	Allocated test details of multiple applicants (max. 20 applicants) combined in JSON format	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"	subdomain	Yes		<subdomain>	Subdomain of the client
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asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"																															
subdomain	Yes		<subdomain>	Subdomain of the client																															
Request	<pre>atd : {     "applicants" : [         {             "email" : "n@n.com",             "tests" : {                 "add" : [                     { "testId" : 1234, "testName" : "aa" },                     { "testId" : 1233, "testName" : "adda" }                 ],                 "remove" : [                     { "testId" : 123, "testName" : "aadsada" }                 ]             }         }     ] }</pre>																																		

<p>Examples</p>	<p><b>(A) If applicant is already added</b></p> <p>Request :-</p> <pre>{   "applicants": [     {       "email": "Mettl11@yopmail.com",       "tests": {         "add": [           {             "testId": 332,             "testName": "75MinsTest"           }         ],         "remove": [           {             "testId": 333,             "testName": "a-d"           }         ]       }     }   ] }</pre> <p>Response :-</p> <pre>{   "status": "ERROR",   "error": {     "code": "E604",     "message": "Certification already allocated to the applicant"   } }</pre> <p><b>(B) Add and remove applicant from tests</b></p>
-----------------	--

Request :-

```
{
  "applicants": [
    {
      "email": "Mettl11@yopmail.com",
      "tests": {
        "add": [
          {
            "testId": 332,
            "testName": "75MinsTest"
          }
        ],
        "remove": [
          {
            "testId": 333,
            "testName": "a-d"
          }
        ]
      }
    }
  ]
}
```

Response :-

```
{
  "status": "SUCCESS"
}
```

**(C) If applicant is not already added and tries to remove**

Request :-

```
{
  "applicants": [
    {
      "email": "Mettl11@yopmail.com",
```

```

"tests": {
  "add": [
    {
      "testId": 332,
      "testName": "75MinsTest"
    }
  ],
  "remove": [
    {
      "testId": 333,
      "testName": "a-d"
    }
  ]
}

```

Response :-

```

{
  "status": "ERROR",
  "error": {
    "code": "E605",
    "message": "Certification not allocated to the applicant, So Cannot Remove allocation"
  }
}

```

**(D) If tries to add in an Unpublished test :**

Response =

```

{
  "status": "ERROR",
  "error": {
    "code": "E606",
    "message": "Invalid testId"
  }
}

```

### 4.3 Login Applicants Directly - (Only when isAdminVerified is set as True)

To login applicants into their MettlCertiCHECK accounts for whom isAdminVerified is set as True. This feature helps when you are allowing applicant to use MettlCertiCHECK platform from your internal application.

Request URL	certification.mettl.com/api/v2/loginApplicant																																		
Method	POST																																		
Arguments	<table border="1"> <thead> <tr> <th>Name</th> <th>Mandatory</th> <th>Default</th> <th>Allowed Values</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>email</td> <td>Yes</td> <td>-</td> <td>Email ID of the applicant</td> <td>Email ID of the applicant with which they were registered</td> </tr> <tr> <td>ts</td> <td>Yes</td> <td>-</td> <td>current time-stamp</td> <td>For details on the format of the timestamp refer to "Security &amp; Authentication"</td> </tr> <tr> <td>ak</td> <td>Yes</td> <td>-</td> <td>Client's API key</td> <td>Unique API Key is assigned to the client on registering for using Mettl APIs</td> </tr> <tr> <td>subdomain</td> <td>Yes</td> <td></td> <td>&lt;subdomain&gt;</td> <td>Subdomain of the client</td> </tr> <tr> <td>asgn</td> <td>Yes</td> <td>-</td> <td>Generated request signature</td> <td>For details on "signature generation" refer to "Security &amp; Authentication"</td> </tr> </tbody> </table>					Name	Mandatory	Default	Allowed Values	Description	email	Yes	-	Email ID of the applicant	Email ID of the applicant with which they were registered	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs	subdomain	Yes		<subdomain>	Subdomain of the client	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"
Name	Mandatory	Default	Allowed Values	Description																															
email	Yes	-	Email ID of the applicant	Email ID of the applicant with which they were registered																															
ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"																															
ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs																															
subdomain	Yes		<subdomain>	Subdomain of the client																															
asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"																															
Response	http://nevdev.mettl.xyz/applicant/dashboard?ssoToken=3Jn%2Blu%2F25FjxMz5KR5iWqkSFvO4pzyTMtzzX7LMezrl7KaKNm%2BWXzVXfHOCv19Lw608zpK08vp954Il85IfS4zBGjQXsDPtmo2uqYkMCbXYQlqYKK%2FBYapZLrrkLRv%2BF																																		

## 4.4 GET details of enrolled Applicants in a slot window (Replication of the excel download)

It is used for fetching details of an applicant in a slot window.

Request URL	<a href="http://certification.mettl.com/api/v2/getAllCandidateEnrolledInSlotWindow">http://certification.mettl.com/api/v2/getAllCandidateEnrolledInSlotWindow</a>																																												
Method	GET																																												
Arguments	<table border="1"> <thead> <tr> <th>Name</th> <th>Mandatory</th> <th>Default</th> <th>Allowed Values</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>limit</td> <td>No</td> <td>20</td> <td>Integers[0 to 500]</td> <td>Number of tests to be fetched</td> </tr> <tr> <td>offset</td> <td>No</td> <td>0</td> <td>Integers (max # of applicants)</td> <td>Return # of tests starting from offset number</td> </tr> <tr> <td>ts</td> <td>Yes</td> <td>-</td> <td>current time-stamp</td> <td>For details on the format of the timestamp refer to "Security &amp; Authentication"</td> </tr> <tr> <td>ak</td> <td>Yes</td> <td>-</td> <td>Client's API key</td> <td>Unique API Key is assigned to the client on registering for using Mettl APIs</td> </tr> <tr> <td>sid</td> <td>Yes</td> <td>-</td> <td>The slotID of in which the applicants are enrolled in</td> <td>The slotID of in which the applicants are enrolled in</td> </tr> <tr> <td>asgn</td> <td>Yes</td> <td>-</td> <td>Generated request signature</td> <td>For details on "signature generation" refer to "Security &amp; Authentication"</td> </tr> <tr> <td>subdomain</td> <td>Yes</td> <td></td> <td>&lt;subdomain&gt;</td> <td>Subdomain of the client</td> </tr> </tbody> </table>					Name	Mandatory	Default	Allowed Values	Description	limit	No	20	Integers[0 to 500]	Number of tests to be fetched	offset	No	0	Integers (max # of applicants)	Return # of tests starting from offset number	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs	sid	Yes	-	The slotID of in which the applicants are enrolled in	The slotID of in which the applicants are enrolled in	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"	subdomain	Yes		<subdomain>	Subdomain of the client
	Name	Mandatory	Default	Allowed Values	Description																																								
	limit	No	20	Integers[0 to 500]	Number of tests to be fetched																																								
	offset	No	0	Integers (max # of applicants)	Return # of tests starting from offset number																																								
	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"																																								
	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs																																								
	sid	Yes	-	The slotID of in which the applicants are enrolled in	The slotID of in which the applicants are enrolled in																																								
	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"																																								
	subdomain	Yes		<subdomain>	Subdomain of the client																																								
Response	{"status":"ERROR","error":{"code":"E022","message":"No candidate enrolled in the slot window (OR) Provided slot window Id does not exist for your account"}}																																												
Response	<pre>{   "slotWindowSummary":[     {       "candidateName":"APP 1000 null",       "email":"app1000@yopmail.com",       "crf":{"Email Address\":"app1000@yopmail.com","\First Name\":"APP 1000","\Last Name\":"","\Date of birth\":"09/08/3016","\Contact No\":"","\Gender\":"","\Country\":"","\fqefqw\":"","\qwddqw\":"","\qwfwq\":"","\qwdqwdas\":"","\csdc\":"","\qweqw\":"","\sdas\":"","\cascl\":"","\weqrwe\":"","\qweqw\":"","\czcl\":"","\adad\":"","\adaw\":"","\qweqwd\":""}     }   ] }</pre>																																												

	<pre> "bookingTime": "Jun 6, 2018 9:39:01 AM", "slotId": 34565, "slotFromTime": "Jun 7, 2018 3:00:00 AM", "slotToTime": "Jun 7, 2018 4:00:00 PM", "scheduleKey": "16cce6fc", "bookingTimezone": {   "id": 67,   "difference": "+05:30",   "name": "India(Chennai, Kolkata, Mumbai, New Delhi)" }, "assessmentName": "adfasdgsd 33", "assessmentId": 111173 }, {   "candidateName": "APP 1185 null",   "email": "app+1185@yopmail.com",   "crf": {"Email Address": "app+1185@yopmail.com", "First Name": "APP 1185", "Last Name": "", "Date of birth": "09/08/3201", "Contact No": "", "Gender": "", "Country": "", "fqefqw": "", "qwddqw": "", "qwfwq": "", "qwdqwdas": "", "csdc": "", "qweqwas": "", "sdas": "", "casc": "", "weqrwe": "", "qweqw": "", "czc": "", "adad": "", "adaw": "", "qweqwd": ""},   "bookingTime": "Jun 6, 2018 9:37:08 AM",   "slotId": 34565,   "slotFromTime": "Jun 7, 2018 3:00:00 AM",   "slotToTime": "Jun 7, 2018 4:00:00 PM",   "scheduleKey": "16cce6fc",   "bookingTimezone": {     "id": 67,     "difference": "+05:30",     "name": "India(Chennai, Kolkata, Mumbai, New Delhi)"   },   "assessmentName": "adfasdgsd 33",   "assessmentId": 111173 } ], "status": "SUCCESS" } </pre>
--	--

## 4.5 GET details of all the applicants in all the assessments

It is used for fetching details of applicants enrolled in all the assessments.

Request URL	<a href="http://certification.mettl.com/api/v2/getAllApplicantResults">http://certification.mettl.com/api/v2/getAllApplicantResults</a>																													
Method	GET																													
Arguments	<table border="1"> <thead> <tr> <th>Name</th> <th>Mandatory</th> <th>Default</th> <th>Allowed Values</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>subdomain</td> <td>Yes</td> <td></td> <td>&lt;subdomain&gt;</td> <td>Subdomain of the client</td> </tr> <tr> <td>ts</td> <td>Yes</td> <td>-</td> <td>current time-stamp</td> <td>For details on the format of the timestamp refer to "Security &amp; Authentication"</td> </tr> <tr> <td>ak</td> <td>Yes</td> <td>-</td> <td>Client's API key</td> <td>Unique API Key is assigned to the client on registering for using Mettl APIs</td> </tr> <tr> <td>asgn</td> <td>Yes</td> <td>-</td> <td>Generated request signature</td> <td>For details on "signature generation" refer to "Security &amp; Authentication"</td> </tr> </tbody> </table>					Name	Mandatory	Default	Allowed Values	Description	subdomain	Yes		<subdomain>	Subdomain of the client	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"
	Name	Mandatory	Default	Allowed Values	Description																									
	subdomain	Yes		<subdomain>	Subdomain of the client																									
	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"																									
	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs																									
	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"																									
Response	<pre>{   "applicants":[     {       "email":"<a href="mailto:applicant1@yopmail.com">applicant1@yopmail.com</a>",       "First Name":"Applicant1"       "registration":{         "First Name":"Applicant1"       },       "registrationDate":"2019-04-26",       "certificates":[         {           "certificationName":"xxxxxx",           "paymentDate":1556263044217,           "paymentDateString":"2019-04-26 12:47:24 IST",           "testDate":1556263070000,           "testDateString":"2019-04-26 12:47:50 IST",           "scorePercentage":100.0, </pre>																													

```

    "certificationPassed":true,
    "amountPaid":{
      "amountPaid":0.0,
      "currency":"USD"
    },
    "discountCoupon":null,
    "performanceCategory":null,
    "certificateCustomMessage":""
  }
],
"applicationStatus":null
},
{
  "email":"applicant2@yopmail.com",
  "First Name":"Applicant2"
  "registration":{

    "First Name":"Applicant2"

  },
  "registrationDate":"2019-04-26",
  "certificates":[
    {
      "certificationName":"xxxxxxx",
      "paymentDate":1556264508393,
      "paymentDateString":"2019-04-26 13:11:48 IST",
      "testDate":1556264535000,
      "testDateString":"2019-04-26 13:12:15 IST",
      "scorePercentage":100.0,
      "certificationPassed":true,
      "amountPaid":{
        "amountPaid":0.0,
        "currency":"USD"
      },
      "discountCoupon":null,
      "performanceCategory":null,
      "certificateCustomMessage":""
    }
  ],
  "applicationStatus":null
}
],
"paging":{
  "previous":null,
  "next":null
},

```

	<pre>"status": "SUCCESS" }</pre>
--	----------------------------------

## 4.6 GET details of all the applicants in an Assessment

It is used for fetching details of applicants enrolled in an assessment.

Request URL	<a href="http://certification.mettl.com/api/v2/getAllApplicantResultsOfCertificate/{certificationAssessmentId}">http://certification.mettl.com/api/v2/getAllApplicantResultsOfCertificate/{certificationAssessmentId}</a>																													
Method	GET																													
Arguments	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Name</th> <th style="width: 15%;">Mandatory</th> <th style="width: 15%;">Default</th> <th style="width: 20%;">Allowed Values</th> <th style="width: 30%;">Description</th> </tr> </thead> <tbody> <tr> <td>subdomain</td> <td>Yes</td> <td></td> <td>&lt;subdomain&gt;</td> <td>Subdomain of the client</td> </tr> <tr> <td>ts</td> <td>Yes</td> <td>-</td> <td>current time-stamp</td> <td>For details on the format of the timestamp refer to "Security &amp; Authentication"</td> </tr> <tr> <td>ak</td> <td>Yes</td> <td>-</td> <td>Client's API key</td> <td>Unique API Key is assigned to the client on registering for using Mettl APIs</td> </tr> <tr> <td>asgn</td> <td>Yes</td> <td>-</td> <td>Generated request signature</td> <td>For details on "signature generation" refer to "Security &amp; Authentication"</td> </tr> </tbody> </table>					Name	Mandatory	Default	Allowed Values	Description	subdomain	Yes		<subdomain>	Subdomain of the client	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"
	Name	Mandatory	Default	Allowed Values	Description																									
	subdomain	Yes		<subdomain>	Subdomain of the client																									
	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"																									
	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs																									
	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"																									
Response	<pre>{   "applicants": [     {       "email": "applicant1@yopmail.com",       "First Name": "Applicant1",       "registration": {         "First Name": "Applicant1"       }     },     "registrationDate": "2019-04-26",     "certificates": [</pre>																													

```

{
  "certificationName":"xxxxxx",
  "paymentDate":1556263044217,
  "paymentDateString":"2019-04-26 12:47:24 IST",
  "testDate":1556263070000,
  "testDateString":"2019-04-26 12:47:50 IST",
  "scorePercentage":100.0,
  "certificationPassed":true,
  "amountPaid":{
    "amountPaid":0.0,
    "currency":"USD"
  },
  "discountCoupon":null,
  "performanceCategory":null,
  "certificateCustomMessage":""
}
],
"applicationStatus":null
},
{
  "email":"applicant2@yopmail.com",
  "First Name":"Applicant2"
  "registration":{
    "First Name":"Applicant2"
  },
  "registrationDate":"2019-04-26",
  "certificates":[
    {
      "certificationName":"xxxxxxx",
      "paymentDate":1556264508393,
      "paymentDateString":"2019-04-26 13:11:48 IST",
      "testDate":1556264535000,
      "testDateString":"2019-04-26 13:12:15 IST",
      "scorePercentage":100.0,
      "certificationPassed":true,
      "amountPaid":{
        "amountPaid":0.0,
        "currency":"USD"
      },
      "discountCoupon":null,
      "performanceCategory":null,
      "certificateCustomMessage":""
    }
  ]
},
],

```

```

    "applicationStatus":null
  }
],
"paging":{
  "previous":null,
  "next":null
},
"status":"SUCCESS"
}

```

## 4.7 GET details of an Applicant in multiple assessments

It is used for fetching details of applicants enrolled in multiple assessments.

Request URL	<a href="http://certification.mettl.com/api/v2/getApplicantResults/{emailId:+}">http://certification.mettl.com/api/v2/getApplicantResults/{emailId:+}</a>																													
Method	GET																													
Arguments	<table border="1"> <thead> <tr> <th>Name</th> <th>Mandatory</th> <th>Default</th> <th>Allowed Values</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>subdomain</td> <td>Yes</td> <td></td> <td>&lt;subdomain&gt;</td> <td>Subdomain of the client</td> </tr> <tr> <td>ts</td> <td>Yes</td> <td>-</td> <td>current time-stamp</td> <td>For details on the format of the timestamp refer to "Security &amp; Authentication"</td> </tr> <tr> <td>ak</td> <td>Yes</td> <td>-</td> <td>Client's API key</td> <td>Unique API Key is assigned to the client on registering for using Mettl APIs</td> </tr> <tr> <td>asgn</td> <td>Yes</td> <td>-</td> <td>Generated request signature</td> <td>For details on "signature generation" refer to "Security &amp; Authentication"</td> </tr> </tbody> </table>					Name	Mandatory	Default	Allowed Values	Description	subdomain	Yes		<subdomain>	Subdomain of the client	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"
	Name	Mandatory	Default	Allowed Values	Description																									
	subdomain	Yes		<subdomain>	Subdomain of the client																									
	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"																									
	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs																									
	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"																									
Response	<pre> {   "applicants":[     {       "email":"applicant1@yopmail.com",       "First Name":"Applicant1"     }   ] } </pre>																													

```

"registration":{
  "First Name":"Applicant1"
},
"registrationDate":"2019-04-26",
"certificates":[
  {
    "certificationName":"xxxxxxx",
    "paymentDate":1556263044217,
    "paymentDateString":"2019-04-26 12:47:24 IST",
    "testDate":1556263070000,
    "testDateString":"2019-04-26 12:47:50 IST",
    "scorePercentage":100.0,
    "certificationPassed":true,
    "amountPaid":{
      "amountPaid":0.0,
      "currency":"USD"
    },
    "discountCoupon":null,
    "performanceCategory":null,
    "certificateCustomMessage":""
  }
],
"applicationStatus":null
},
{
  "email": "applicant1@yopmail.com",
  "First Name":"Applicant1"
  "registration":{
    "First Name":"Applicant1"
  },
  "registrationDate":"2019-04-26",
  "certificates":[
    {
      "certificationName":"xxxxxxx",
      "paymentDate":1556264508393,
      "paymentDateString":"2019-04-26 13:11:48 IST",
      "testDate":1556264535000,
      "testDateString":"2019-04-26 13:12:15 IST",
      "scorePercentage":100.0,
      "certificationPassed":true,
      "amountPaid":{
        "amountPaid":0.0,
        "currency":"USD"
      }
    }
  ]
}

```

```

    },
    "discountCoupon":null,
    "performanceCategory":null,
    "certificateCustomMessage":""
  }
  ],
  "applicationStatus":null
}
],
"paging":{
  "previous":null,
  "next":null
},
"status":"SUCCESS"
}

```

#### 4.8 GET details of an Applicant in an assessment(Recommended)

It is used for fetching details of applicant enrolled in an assessment.

Request URL	<a href="http://certification.mettl.com/api/v2/getApplicantResultsOfAssessment/{assessmentId}/{emailId.+)">http://certification.mettl.com/api/v2/getApplicantResultsOfAssessment/{assessmentId}/{emailId.+)}</a>																													
Method	GET																													
Arguments	<table border="1"> <thead> <tr> <th>Name</th> <th>Mandatory</th> <th>Default</th> <th>Allowed Values</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>subdomain</td> <td>Yes</td> <td></td> <td>&lt;subdomain&gt;</td> <td>Subdomain of the client</td> </tr> <tr> <td>ts</td> <td>Yes</td> <td>-</td> <td>current time-stamp</td> <td>For details on the format of the timestamp refer to "Security &amp; Authentication"</td> </tr> <tr> <td>ak</td> <td>Yes</td> <td>-</td> <td>Client's API key</td> <td>Unique API Key is assigned to the client on registering for using Mettl APIs</td> </tr> <tr> <td>asgn</td> <td>Yes</td> <td>-</td> <td>Generated request signature</td> <td>For details on "signature generation" refer to "Security &amp; Authentication"</td> </tr> </tbody> </table>					Name	Mandatory	Default	Allowed Values	Description	subdomain	Yes		<subdomain>	Subdomain of the client	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"
	Name	Mandatory	Default	Allowed Values	Description																									
	subdomain	Yes		<subdomain>	Subdomain of the client																									
	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"																									
	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs																									
	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"																									

Response	<pre> {   "applicants":[     {       "email":"applicant1@yopmail.com",       "First Name":"Applicant1"       "registration":{         "First Name":"Applicant1"       },       "registrationDate":"2019-04-26",       "certificates":[         {           "certificationName":"xxxxxxxx",           "paymentDate":1556263044217,           "paymentDateString":"2019-04-26 12:47:24 IST",           "testDate":1556263070000,           "testDateString":"2019-04-26 12:47:50 IST",           "scorePercentage":100.0,           "certificationPassed":true,           "amountPaid":{             "amountPaid":0.0,             "currency":"USD"           },           "discountCoupon":null,           "performanceCategory":null,           "certificateCustomMessage":""         }       ],       "applicationStatus":null     }   ],   "applicationStatus":null } </pre>
----------	--

## 5 Slot APIs:

### 5.1. Create Slot API:

Creates a new slot.

Request URL	<a href="http://certification.mettl.com/api/v2/createSlot">http://certification.mettl.com/api/v2/createSlot</a>																																		
Method	POST																																		
Arguments	<table border="1"> <thead> <tr> <th>Name</th> <th>Mandatory</th> <th>Default</th> <th>Allowed Values</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>cr</td> <td></td> <td></td> <td>JSON formatted array of slot details</td> <td>Details for creating a Slot</td> </tr> <tr> <td>ts</td> <td>Yes</td> <td>-</td> <td>current time-stamp</td> <td>For details on the format of the timestamp refer to "Security &amp; Authentication"</td> </tr> <tr> <td>ak</td> <td>Yes</td> <td>-</td> <td>Client's API key</td> <td>Unique API Key is assigned to the client on registering for using Mettl APIs</td> </tr> <tr> <td>asgn</td> <td>Yes</td> <td>-</td> <td>Generated request signature</td> <td>For details on "signature generation" refer to "Security &amp; Authentication"</td> </tr> <tr> <td>subdomain</td> <td>Yes</td> <td></td> <td>&lt;subdomain&gt;</td> <td>Subdomain of the client</td> </tr> </tbody> </table>					Name	Mandatory	Default	Allowed Values	Description	cr			JSON formatted array of slot details	Details for creating a Slot	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"	subdomain	Yes		<subdomain>	Subdomain of the client
	Name	Mandatory	Default	Allowed Values	Description																														
	cr			JSON formatted array of slot details	Details for creating a Slot																														
	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"																														
	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs																														
	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"																														
subdomain	Yes		<subdomain>	Subdomain of the client																															
Request (cr)	<pre>{   "name": "Slot_name",   "fromDate": "25 May, 2018",   "toDate": "31 May, 2018",   "capacityPerSlot": null,   "slots": [     {       "startTime": 0,       "endTime": 5     }   ], }</pre>																																		

	<pre> "startTime": 5, "endTime": 9 }, { "startTime": 9, "endTime": 14 } ] } </pre>
Response	<pre> {"status":"SUCCESS"} ----- {"status":"ERROR","error":{"code":"E020","message":"Incorrect format in slot creation data : {fromDate=Date format is invalid. Please enter date in dd MMM, yy format (e.g. 14 Jan, 15)}}"}  {"status":"ERROR","error":{"code":"E020","message":"Incorrect format in slot creation data : {slots=Slot (11 AM - 12 AM) is overlapping with slot (1 AM - 9 PM).}"}  {"status":"ERROR","error":{"code":"E020","message":"Incorrect format in slot creation data : {fromDate=Date format is invalid. Please enter date in dd MMM, yy format (e.g. 14 Jan, 15), slots=Slot (11 AM - 12 AM) is overlapping with slot (1 AM - 9 PM).}"}  {"status":"ERROR","error":{"code":"E020","message":"Incorrect format in slot creation data : {fromDate=Date format is invalid. Please enter date in dd MMM, yy format (e.g. 14 Jan, 15), slots[0].endTime=Slot time must be between 12 A.M. and 12 P.M.}"}  {"status":"ERROR","error":{"code":"E019","message":"Cannot create slot window without setting the time zone."}} </pre>

## 5.2 Get all Slots API:

Displays all slots available from the moment API is called.No of Slots per page is fixed as 10.Default Limit is 10 slots for output.

Request URL	<a href="http://certification.mettl.com/api/v2/getAllSlotWindows">http://certification.mettl.com/api/v2/getAllSlotWindows</a>																																							
Method	GET																																							
Arguments	<table border="1"> <thead> <tr> <th>Name</th> <th>Mandatory</th> <th>Default</th> <th>Allowed Values</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>limit</td> <td>No</td> <td><b>20</b></td> <td>Integers[0 to 500]</td> <td>Number of tests to be fetched</td> </tr> <tr> <td>offset</td> <td>No</td> <td>0</td> <td>Integers (max # of applicants)</td> <td>Return # of tests starting from offset number</td> </tr> <tr> <td>ts</td> <td>Yes</td> <td>-</td> <td>current time-stamp</td> <td>For details on the format of the timestamp refer to "Security &amp; Authentication"</td> </tr> <tr> <td>ak</td> <td>Yes</td> <td>-</td> <td>Client's API key</td> <td>Unique API Key is assigned to the client on registering for using Mettl APIs</td> </tr> <tr> <td>asgn</td> <td>Yes</td> <td>-</td> <td>Generated request signature</td> <td>For details on "signature generation" refer to "Security &amp; Authentication"</td> </tr> <tr> <td>subdomain</td> <td>Yes</td> <td></td> <td>&lt;subdomain&gt;</td> <td>Subdomain of the client</td> </tr> </tbody> </table>					Name	Mandatory	Default	Allowed Values	Description	limit	No	<b>20</b>	Integers[0 to 500]	Number of tests to be fetched	offset	No	0	Integers (max # of applicants)	Return # of tests starting from offset number	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"	subdomain	Yes		<subdomain>	Subdomain of the client
	Name	Mandatory	Default	Allowed Values	Description																																			
	limit	No	<b>20</b>	Integers[0 to 500]	Number of tests to be fetched																																			
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	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs																																			
	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"																																			
	subdomain	Yes		<subdomain>	Subdomain of the client																																			
Response	<pre>{   "slotWindows":[     {       "slotWindowId":154,       "certificationClientId":22,       "name":"WITHOU_INDEX",       "fromDate":"Jan 14, 2019 1:00:00 AM",       "toDate":"Jan 15, 2019 12:00:00 PM",       "capacity":12,       "status":true,       "slots":[         {           "slotId":34560,</pre>																																							

```

    "fromTime": "Jan 14, 2019 1:00:00 AM",
    "toTime": "Jan 14, 2019 2:00:00 AM",
    "capacity": 12
  },
  {
    "slotId": 34561,
    "fromTime": "Jan 14, 2019 11:00:00 AM",
    "toTime": "Jan 14, 2019 12:00:00 PM",
    "capacity": 12
  },
  {
    "slotId": 34562,
    "fromTime": "Jan 15, 2019 1:00:00 AM",
    "toTime": "Jan 15, 2019 2:00:00 AM",
    "capacity": 12
  },
  {
    "slotId": 34563,
    "fromTime": "Jan 15, 2019 11:00:00 AM",
    "toTime": "Jan 15, 2019 12:00:00 PM",
    "capacity": 12
  }
]
},
{
  "slotWindowId": 153,
  "certificationClientId": 22,
  "name": "API_time_1_AFTER_CHANGE",
  "fromDate": "Jan 14, 2019 1:00:00 AM",
  "toDate": "Jan 15, 2019 12:00:00 PM",
  "capacity": 12,
  "status": true,
  "slots": [
    {
      "slotId": 34556,
      "fromTime": "Jan 14, 2019 1:00:00 AM",
      "toTime": "Jan 14, 2019 2:00:00 AM",
      "capacity": 12
    },
    {
      "slotId": 34557,
      "fromTime": "Jan 14, 2019 11:00:00 AM",
      "toTime": "Jan 14, 2019 12:00:00 PM",
      "capacity": 12
    }
  ]
}

```

	<pre> "slotId":34558, "fromTime":"Jan 15, 2019 1:00:00 AM", "toTime":"Jan 15, 2019 2:00:00 AM", "capacity":12 }, { "slotId":34559, "fromTime":"Jan 15, 2019 11:00:00 AM", "toTime":"Jan 15, 2019 12:00:00 PM", "capacity":12 } ] } ], "nextUrl":"http://localhost:8092/api/v1//getAllSlotWindows?offset\u003d2\u0026limit\u003d2", "status":"SUCCESS" } </pre>
Error Response	<pre> {"status":"ERROR","error":{"code":"E033 ","message":"Cannot get all slot window without setting the time zone."}} </pre>

**\*\* Here the slot windows are default sorted in such a way that the deactivated slot windows appear towards the bottom of the list**

### 5.3 Get a slot's details

Gets the details of a Slot.

**Precondition:**The Slot should exist before fetching its details can be fetched.

Request URL	<a href="http://certification.mettl.com/api/v2/getSlotDetails">http://certification.mettl.com/api/v2/getSlotDetails</a>																								
Method	GET																								
Arguments	<table border="1"> <thead> <tr> <th>Name</th> <th>Mandatory</th> <th>Default</th> <th>Allowed Values</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>limit</td> <td>No</td> <td>20</td> <td>Integers[0 to 500]</td> <td>Number of tests to be fetched</td> </tr> <tr> <td>offset</td> <td>No</td> <td>0</td> <td>Integers (max # of applicants)</td> <td>Return # of tests starting from offset number</td> </tr> <tr> <td>ts</td> <td>Yes</td> <td>-</td> <td>current time-stamp</td> <td>For details on the format of</td> </tr> </tbody> </table>					Name	Mandatory	Default	Allowed Values	Description	limit	No	20	Integers[0 to 500]	Number of tests to be fetched	offset	No	0	Integers (max # of applicants)	Return # of tests starting from offset number	ts	Yes	-	current time-stamp	For details on the format of
Name	Mandatory	Default	Allowed Values	Description																					
limit	No	20	Integers[0 to 500]	Number of tests to be fetched																					
offset	No	0	Integers (max # of applicants)	Return # of tests starting from offset number																					
ts	Yes	-	current time-stamp	For details on the format of																					

[Scroll to Top](#)

[Scroll To Glossary](#)

					the timestamp refer to "Security & Authentication"
	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs
	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"
	subdomain	Yes		<subdomain>	Subdomain of the client
Response	<pre> {   "slotDetails": {     "clientId": 413,     "slotWindowId": 6434,     "slotWindowName": "SLOT2",     "fromTime": "May 3, 2018 12:00:00 PM",     "toTime": "May 3, 2018 2:00:00 PM",     "enrolledCount": 1,     "candidateDetailsList": [       {         "firstName": "test",         "email": "test@test.work",         "certificationName": "testcert2",         "bookingTime": "May 3, 2018 12:15:12 PM",         "mettlAssessmentId": 166142       }     ]   },   "status": "SUCCESS" } </pre>				

## 5.4 Book Slot API:

Book Slot for an applicant

**Precondition:** Before booking the slot for an applicant, the no of available seats should be checked and then updated after every registration to ensure there is slot inventory available.

Request URL	<a href="http://certification.mettl.com/api/v2/bookSlotsForApplicants">http://certification.mettl.com/api/v2/bookSlotsForApplicants</a>																																		
Method	POST																																		
Arguments	<table border="1"> <thead> <tr> <th>Name</th> <th>Mandatory</th> <th>Default</th> <th>Allowed Values</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>sga</td> <td>Yes</td> <td></td> <td>JSON formatted array of applicant slot booking details</td> <td>Applicant email id,timezone,slotIdand certification assessment ID</td> </tr> <tr> <td>ts</td> <td>Yes</td> <td>-</td> <td>current time-stamp</td> <td>For details on the format of the timestamp refer to "Security &amp; Authentication"</td> </tr> <tr> <td>ak</td> <td>Yes</td> <td>-</td> <td>Client's API key</td> <td>Unique API Key is assigned to the client on registering for using Mettl APIs</td> </tr> <tr> <td>asgn</td> <td>Yes</td> <td>-</td> <td>Generated request signature</td> <td>For details on "signature generation" refer to "Security &amp; Authentication"</td> </tr> <tr> <td>subdomain</td> <td>Yes</td> <td></td> <td>&lt;subdomain&gt;</td> <td>Subdomain of the client</td> </tr> </tbody> </table>					Name	Mandatory	Default	Allowed Values	Description	sga	Yes		JSON formatted array of applicant slot booking details	Applicant email id,timezone,slotIdand certification assessment ID	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"	subdomain	Yes		<subdomain>	Subdomain of the client
	Name	Mandatory	Default	Allowed Values	Description																														
	sga	Yes		JSON formatted array of applicant slot booking details	Applicant email id,timezone,slotIdand certification assessment ID																														
	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"																														
	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs																														
	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"																														
	subdomain	Yes		<subdomain>	Subdomain of the client																														
Request (sga)	<pre>{   applicantEmail:"app2335@yopmail.com",   timeZoneld:67,   slotId:90814   certificateAssessmentId:5330 }</pre> <p><b>NOTE- Slot can be booked only after the applicant has made the payment.</b></p>																																		
Response	<pre>{   "status": "Success" }</pre>																																		

[Scroll to Top](#)

[Scroll To Glossary](#)

<pre> {"status":"ERROR","error":{"code":"E040","message":"Provided slot window Id has been deactivated"}}  {"status":"ERROR","error":{"code":"E030","message":"Payment not been made for assessment"}}  {"status":"ERROR","error":{"code":"E025","message":"Slot has already been booked for applicant"}} </pre>
--

## 5.5 Release Slot API:

This API could be used to release an applicant from an already booked slot.

**Precondition:** A slot should be present to be released.

Request URL	<a href="http://certification.mettl.com/api/v2/releaseSlot">http://certification.mettl.com/api/v2/releaseSlot</a>																																		
Method	POST																																		
Arguments	<table border="1"> <thead> <tr> <th>Name</th> <th>Mandatory</th> <th>Default</th> <th>Allowed Values</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>data</td> <td>Yes</td> <td></td> <td>JSON formatted array of candidate Email and Certification Assessment ID</td> <td>Candidate Email and Certification Assessment ID</td> </tr> <tr> <td>ts</td> <td>Yes</td> <td>-</td> <td>current time-stamp</td> <td>For details on the format of the timestamp refer to "Security &amp; Authentication"</td> </tr> <tr> <td>ak</td> <td>Yes</td> <td>-</td> <td>Client's API key</td> <td>Unique API Key is assigned to the client on registering for using Mettl APIs</td> </tr> <tr> <td>asgn</td> <td>Yes</td> <td>-</td> <td>Generated request signature</td> <td>For details on "signature generation" refer to "Security &amp; Authentication"</td> </tr> <tr> <td>subdomain</td> <td>Yes</td> <td></td> <td>&lt;subdomain&gt;</td> <td>Subdomain of the client</td> </tr> </tbody> </table>					Name	Mandatory	Default	Allowed Values	Description	data	Yes		JSON formatted array of candidate Email and Certification Assessment ID	Candidate Email and Certification Assessment ID	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"	subdomain	Yes		<subdomain>	Subdomain of the client
	Name	Mandatory	Default	Allowed Values	Description																														
	data	Yes		JSON formatted array of candidate Email and Certification Assessment ID	Candidate Email and Certification Assessment ID																														
	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"																														
	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs																														
	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"																														
	subdomain	Yes		<subdomain>	Subdomain of the client																														
Request	<pre> data: {   "applicantEmailId": "mettl3@yopmail.com",   "assessmentId": 'certification_assessment_id' } </pre>																																		

Response	{ "status": "Success"}
----------	---------------------------

## 5.6 Delete Slot Window API:

The API is used for deleting an existing slot window.

**Precondition:** The Slot window to be deleted should exist.

Request URL	<a href="http://certification.mettl.com/api/v2/deleteSlotWindow">http://certification.mettl.com/api/v2/deleteSlotWindow</a>				
Method	GET				
Arguments	<b>Name</b>	<b>Mandatory</b>	<b>Default</b>	<b>Allowed Values</b>	<b>Description</b>
	ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"
	ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs
	asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"
	swid	YES		int	Slot window id
	subdomain	Yes		<subdomain>	Subdomain of the client

[Scroll to Top](#)

[Scroll To Glossary](#)

Response	<pre> {"status":"ERROR","error":{"code":"E039","message":"Provided slot window Id does not exist for your account"}}  {"status":"SUCCESS"} </pre>
----------	---

## 6. TEST ID API

### 6.1 Get Test IDs in an account API:

The API is used for fetching the list of Tests present in an account. These will further be used to register applicants for an Assessment.

Request URL	<a href="http://certification.mettl.com/api/v2/tests">http://certification.mettl.com/api/v2/tests</a>					
Method	GET					
Arguments		<b>Name</b>	<b>Mandatory</b>	<b>Default</b>	<b>Allowed Values</b>	<b>Description</b>
		ts	Yes	-	current time-stamp	For details on the format of the timestamp refer to "Security & Authentication"
		ak	Yes	-	Client's API key	Unique API Key is assigned to the client on registering for using Mettl APIs
		asgn	Yes	-	Generated request signature	For details on "signature generation" refer to "Security & Authentication"
		limit	No	20	Integers[0 to 500]	Number of tests to be fetched

	offset	No	0	Integers (max # of applicants)	Return # of tests starting from offset number
	status	No	"Published"	String as either "Published" or "UnPublished"	This parameter would filter the list of test according to its Publishing status
	subdomain	Yes	-	<subdomain>	Subdomain of the client
Response	<pre> {   "status": "SUCCESS",   "paging":{     "previous": "https://previous" ,     "next": "https://next"   },   "tests": [ {     "testId": 124,     "testName": "Whatever" ,     "status": "Published"   },   {     "testId": 124,     "testName": "Whatever" ,     "status": "UnPublished"   } ] } </pre>				

## 7.LIST OF ALL ERROR CODES IN MettICertiCHECK API

E000=Some Error Occurred  
 E001=Invalid Assessment Id  
 E002=Invalid Access Key  
 E003=Mandatory parameter (parameter\_name) for registration not supplied  
 E004=Invalid format for parameter email id  
 E005=Test is in progress, cannot be deleted  
 E006=Report does not exist  
 E007=Assessment Id deleted  
 E008=Schedule deleted  
 E009=Invalid Email  
 E010=Request data too big  
 E011=Invalid Proctoring Settings  
 E012=Invalid Password  
 E013=Invalid Date Supplied  
 E016=Mandatory Parameter Missing  
 E026=Invalid value for parameter (parameter\_name)  
 E400=Request was not well-formed/Invalid parameters supplied  
 E601=Blank Applicant Email Id  
 E602=Invalid Applicant Email Id  
 E603=Duplicate Applicant Email Id  
 E604=Certification already allocated to the applicant  
 E605=Certification not allocated to the applicant, So Cannot Remove allocation  
 E606=Invalid testId  
 E607=Candidate registration limit exceeded  
 E608=Test allocation limit exceeded  
 E017 = Incorrect parameters.  
 E018 = Requested row size is greater than 500  
 E019 = Cannot perform any API slot actions without setting the time zone id  
 E020 = Incorrect format in slot creation data : %s  
 E021 = Page size/number cannot be null or a negative number.  
 E022 = No candidate enrolled in the slot window (OR) Provided slot window Id does not exist for your account  
 E023 = Provided slot Id does not exist for your account

[Scroll to Top](#)

[Scroll To Glossary](#)

E024 = Error Happened while booking slot : %s  
E025 = Slot has already been booked for applicant  
E027 = Slotting not allowed for this assessment  
E028 = Payment has expired  
E029 = Cannot rechoose slot  
E030 = Payment not been made for assessment  
E031 = Applicant Has not cleared the Pre-requisite test  
E032 = Incorrect Format of parameter : %s : Please refer to API documentations  
E033 = Time Zone cannot be null  
E034 = Assessment Id cannot be Null  
E035 = Slot Id cannot be Null or cannot have alphabets  
E036 = Slot window Id cannot be null or have alphabet values  
E037 = Slot window Id cannot have be null  
E038 = Page size cannot be more than 3000  
E039 = Provided slot window Id does not exist for your account  
E040 = Provided slot window Id has been deactivated  
E041 = Provided assessment has been unpublished  
E042 = applicant has already cleared the assessment  
E043 = applicant has not been invited for this test  
E044 = error occurred while release slot for candidate : %s  
E101 = Bad Request, request body is empty. Please provide request body.  
E102 = Bad Request, Please provide time zone id.  
E103 = Please provide a valid time zone id.  
E104 = Sorry, time zone is already set for this account.  
E105 = Bad Request, Please provide data in requested format.  
E106 = sendEmailOnAssigningTest, this property is for invite only accounts, You can set it to false or can leave it blank.  
E107 = For applicantDashboardViewSettings both values can not be true. Please choose any of the one.  
E108 = Invalid client id.  
E109 = Please provide applicant email id.  
E110 = Please provide assessment id.  
E111 = Provided applicant id is not valid.  
E112 = Applicant is not registered for slot.  
E113 = Assessment id does not belong to the client.  
E114 = This assessment is not active.  
E115 = Provided Timezone Id is not valid  
E116 = Cannot set Both Sort by Name and Sort by Publish Date to True

[Scroll to Top](#)

[Scroll To Glossary](#)

E120 - Applicant is Not verified

E504 - Invalid Timestamp

E117 - Certification Client does not exist

E401 - Authentication failed/Signature mismatch

E119 - No Applicant found with the provided Subdomain/Applicant Email eligible for SSO

E118 - subdomain param is empty/null

## 8. Security and Authentication

### 8.1 Authentication Parameters

All API Requests are required to send 3 mandatory parameters *ak, ts, asgn,subdomain* (in addition to the other parameters, specific to the request) which are used to authenticate the request before the output can be served.

Authentication Parameter	Description
Ak	This is the API Public KEY obtained by the client on registering for using Mettl APIs
Ts	This is a UNIX Timestamp ( <i>the number of seconds between a particular date and the Unix Epoch</i> ) UTC Time zone
asgn	HMAC-SHA256 encoded string of the Concatenated string and the Private Key .
subdomain	Subdomain of the client

### 8.2 Signature Generation

The *asgn* to be sent as a parameter along with an API Request must be computed using these steps:

1. Concatenate the API Request components strictly in the order specified below:

**Concatenated string** = *HTTP Verb + API URI + request-parameters (including 'ak' & 'ts') sorted in ascending order alphabetically according to the name of the parameters*

Example 1: "GET" + "<http://certification.mettl.com/api/v2/tests>" + "\n" + "a34e2ejf38ek39fkwmf" + "\n" + "50" + "\n" + "1366020643"  
**HMAC-SHA256**

//for encoding algorithm

**NOTE:** To generate a request to access the APIs the first parameter to be passed in the URL is the value of 'ak' parameter.

HTTP Verb	GET
API URI	<a href="http://certification.mettl.com/api/v2/tests">http://certification.mettl.com/api/v2/tests</a>
API Public Key	a34e2ejf38ek39fkwmf
Limit	50
timestamp	1366020643
subdomain	<subdomain>

## 2 .Encoding Algorithms:

Encode the string obtained above using the **API Private\_Key** (obtained at the time of registration) with HMAC-SHA256 algorithm to obtain the signature.

`SIGNATURE = URLENCODE(BASE64_ENCODE(HMAC-SHA256(Concatenated string, Private_Key)))`

For Example:

Sample PHP Code:

```
1`$signature = rawurlencode(base64_encode(hash_hmac("sha256", $concatenated_string, $private_key, true)));
```

## 8.3 Sending API Request

The API Request comprising the signature should now be sent for processing using the HTTP method/verb (GET/POST/PUT/DELETE) designated for that API.

## 8.4 Authentication

On receiving an API Request, Mettl Server will follow these steps (in order) to authenticate the request:

- a. **Timestamp Validity:** Check the validity of timestamp (sent as a parameter) by ensuring that the difference between the current server timestamp (UTC time zone) and the supplied timestamp is within 1 day. Unsuccessful validation results in rejection of the request with Error: Invalid Timestamp.
- b. **Signature Validation:** If the timestamp is valid, an attempt is made to re-generate the signature using method as described in "Signature Generation". If the signature re-generated by the server matches exactly with the one supplied along with the API Request, the signature is considered valid. Unsuccessful authentication results in rejection of the request with Error: Authentication failed/Signature Mismatch

[Scroll to Top](#)

[Scroll To Glossary](#)

- C. **Signature Expiry:** Every valid signature is verified if it has been used previously for another Request. In case the signature matches with any of the previously used signatures, the request is rejected with Error: Signature expired. Otherwise, the request is considered valid & will be processed based on the parameters of that request

### 8.5 From where can I get API Public and Private Keys?

Please contact your Mettl Account/Sales manager for Public and Private keys to your MettlCertiCheck account. Or send an email to [support@mettl.com](mailto:support@mettl.com).

## 9.Glossary

KEYWORD	MEANING
ak(Client's API key)	Client's public key
asgn	Generated request signature
published	Making the test available for the applicants
performanceCategory	Defined by the Client for segregating Applicants based on their test score

## End of Mettl's MettlCertiCHECK API Document

Please contact us on [support@mettl.com](mailto:support@mettl.com) for any queries.

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