

API Specification Documentation

(CIDataSolutions App)

Version	Date	Author	Description
1.0	05-Oct-2017	Robert Ballard – Trovema Technologies	Initial draft
1.1	10-Oct-2017	Robert Ballard – Trovema Technologies	Get file to download correction

1. get instrument's configuration

[Request](#)

[Response](#)

2. get instrument's list of files

[Request](#)

[Response](#)

3. get link to download file

[Request](#)

[Response](#)

Conventions

1. get configuration information

Information on an instrument's configuration

Request

Method	URL
POST	https://www.cidatasolutions.com/externe/inbox/instrument_configuration.cfm

Type	Params	Values
POST	User_Name	string
POST	SN	string
POST	ISN	string

User_Name, SN and ISN

User_Name, SN and ISN must be sent with all client requests. The combination of these 3 parameters helps the server to validate the request source.

Response

Status	Response
202	Status_Code=202; Status_Desc=OK: Success; Actif=integer(0=Active. 1=Inactive); Last_Calibration=integer; Date_Of_Birth=integer; Firmware_Revision=float; Flash_Capacity=integer; Instrument_TZ=integer; Mic_Model=integer; Model=string; SN=string; Temperature_Max=float; Temperature_Min=float; User_ID=string; Noise_Threshold=integer; NSRTW_Batt_Email=integer; NSRTW_Email_From=string; NSRTW_Email_Password=string NSRTW_Email_Port=integer; NSRTW_Email_Server=string; NSRTW_Email_TLS=integer; NSRTW_Email_To=string; NSRTW_Email_Username=string; NSRTW_Noise_Email=integer; NSRT_Fs=integer; NSRT_Log_Interval=integer; NSRT_Manifest_LMax=integer; NSRT_Manifest_LMin=integer; NSRT_Manifest_LEQ=integer; NSRT_Time_Constant=float; NSRT_Weighting=integer; NSRTW_Connect_Interval=integer; NSRTW_Encryption=integer; NSRTW_Periodic_Connect=integer; NSRTW_Priority=integer; NSRTW_Start_Date_Time=integer;

402	Status_Code=402; Status_Desc=ERROR: The instrument associated to the SN parameter has no current subscription; SN=string;
404	Status_Code=404; Status_Desc= ERROR: The SN parameter does not correspond to a valid instrument; SN=string;
406	Status_Code=406; Statut_Desc=ERROR: The instrument associated to the SN parameter is not active; SN=string;
410	Status_Code=410; Status_Desc=ERROR: The User_Name parameter is required but was not passed; SN=string;
411	Status_Code=411; Status_Desc=ERROR: The SN parameter is required but was not passed; SN=string;
412	Status_Code=412; Status_Desc=ERROR: The ISN parameter is required but was not passed; SN=string;
413	Status_Code=413; Status_Desc=ERROR: The ISN parameter provided is not valid; SN=string;

2. get instrument's list of files

Get the list of files associated to the instrument

Request

Method	URL
POST	https://www.cidatasolutions.com/externe/inbox/instrument_list.cfm

Type	Params	Values
POST	User_Name	string
POST	SN	string
POST	ISN	string

User_Name, SN and ISN

User_Name, SN and ISN must be sent with all client requests. The combination of these 3 parameters helps the server to validate the request source.

Response

Status	Response
202	Response will be an object containing the list of file names separated by a comma. Status_Code=200; Statud_Desc=OK, Success; SN=CPnerPUS0f0dgrtgY0L5nD; List=filename1,filename2,filename3,filename4;
402	Status_Code=402; Status_Desc=ERROR: The instrument associated to the SN parameter has no current subscription; SN=string;
404	Status_Code=404; Status_Desc= ERROR: The SN parameter does not correspond to a valid instrument; SN=string;
406	Status_Code=406; Statut_Desc=ERROR: The instrument associated to the SN parameter is not active; SN=string;
410	Status_Code=410; Status_Desc=ERROR: The User_Name parameter is required but was not passed; SN=string;
411	Status_Code=411; Status_Desc=ERROR: The SN parameter is required but was not passed; SN=string;
412	Status_Code=412; Status_Desc=ERROR: The ISN parameter is required but was not passed; SN=string;
413	Status_Code=413; Status_Desc=ERROR: The ISN parameter provided is not valid; SN=string;

3. get link to download file

Get the link to download the requested file

Request

Method	URL
POST	https://www.cidatasolutions.com/externe/inbox/instrument_file_download.cfm

Type	Params	Values
POST	User_Name	string
POST	SN	string
POST	ISN	string
POST	FileName	string
POST	FileExt	string

User_Name, SN and ISN

User_Name, SN and ISN must be sent with all client requests. The combination of these 3 parameters helps the server to validate the request source.

FileName, FileExt

FileName and FileExt must be sent with all client requests. The combination of these 2 parameters determine the file to be returned for download.

Response

Status	Response
	Path to the url link to download the requested file
402	Status_Code=402; Status_Desc=ERROR: The instrument associated to the SN parameter has no current subscription; SN=string;
404	Status_Code=404; Status_Desc= ERROR: The SN parameter does not correspond to a valid instrument; SN=string;
406	Status_Code=406; Statut_Desc=ERROR: The instrument associated to the SN parameter is not active; SN=string;
410	Status_Code=410; Status_Desc=ERROR: The User_Name parameter is required but was not passed; SN=string;
411	Status_Code=411; Status_Desc=ERROR: The SN parameter is required but was not passed; SN=string;
412	Status_Code=412; Status_Desc=ERROR: The ISN parameter is required but was not passed; SN=string;
413	Status_Code=413; Status_Desc=ERROR: The ISN parameter provided is not valid; SN=string;
414	Status_Code=414; Status_Desc=ERROR: The FileName parameter is required but was not passed; SN=string;
415	Status_Code=415; Status_Desc=ERROR: The FileExt parameter provided is not valid; SN=string;
416	Status_Code=416; Status_Desc=ERROR: The file requested was not found; SN=string;

Conventions

- **Client** - Client application.
- **Status** - HTTP status code of response.
- All the possible responses are listed under 'Responses' for each method. Only one of them is issued per request server.
- All request parameters are mandatory unless explicitly marked as [optional]

Examples

Examples

- Find examples of each of these methods at:
https://www.cidatasolutions.com/externe/outbox/test_api.cfm.