iTero®

DPMS (Dental Practice Management Services) API V2

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align

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1 Revision History

Revision Number	Revision Date	Nature of Revision
1	22 Dec 2021	Initial version
2	30 Mar 2022	Update scan request
3	16 May 2022	Cases are retrieved in ascending order Order status
4	18 May 2022	Time zone update
5	28 Dec 2022	Minor fixes, download case retry
6	02 Jan 2023	Procedure numeric fields are not returned for Get Orders and Get Order By RXID
7	06 Jan 2023	4.5.3 - Get Order by RX ID: schema update 4.4.3 - Get List of Practice Orders: schema update
8	14 Mar 2023	4.1.2 - Update response description 4.2.2 - Update response description 4.4.3 - Update response description 4.5.3 - Update response description 4.6.3 - Update response description
9	20 Nov 2023	4.4.4 - New denture type: Full Immediate Denture 4.4.8 - Full Order Visibility requirement 4.7 - Get List of Screen Captures 4.8 - Download Asset
10	15 Apr 2024	4.3.4 Update Appliances procedure types
11	19 May 2024	4.1.2 Lab information was added to the response of "Get Practice Configuration"
12	30 Sep 2024	Include Patient Management API and Discovery API
13	03 Oct 2024	Minor changes

		Delete RX
14	12 Nov 2024	Discovery API URLs update
15	17 Mar 2025	Update webhook, case type, Get Practice Configuration
16	16 May 2025	Patient search V3 endpoint
17	10 Jun 2025	Extended Scan Request

2   Introduction

iTero DPMS API enables third party users to create RXs using their own software, in addition to using an iTero scanner or myitero.com.

RX can be sent to iTero scanner to speed up patient visits and avoid unnecessary mistakes. Upon scan completion, the scan is available for the office DPMS.

Thanks to secure authentication, filling iTero credentials will be required one time only during the pairing process.

Check the document 'iTero API - Authentication and Pairing Process V2.docx' to learn more about the pairing process.

2.1   Integration Environments

iTero provides third party partners the ability to train themselves with a staging (Sandbox) environment.

Once ready to move to production contact iTero Support iTeroAPISupport@aligntech.com to enable the process and receive the following:

- Production URL.

- Credentials

2.2   Contacting Support

Please contact iTero Support at iTeroAPISupport@aligntech.com for API-related issues.

2.3   Definitions, Acronyms, Abbreviations

Term	Description
Myitero.com	iTero portal to manage account and cases
Production environment	Live environment
Sandbox environment	Staging environment that enables testing applications outside the production environment
Redirect URL	URL to which the response should be returned
DPMS	Dental Practice Management System
DMPS Software / (ScanRequestPartner)	DPMS software company
DPMS User / (ScanRequestClient)	Specific doctor/clinic using the DMPS software
GUID	Globally Unique Identifier
Callback URL	URL to which a notification is sent upon scan completion

3   DPMS API Overview

DPMS set of APIs includes the following:

- **Get Practice Configuration**

- **Scan Request**

- **Delete RX**

- **Callback Request**

- **Get Orders for Practice**

- **Get Order by RX ID**

- **Download Scan**

3.1   Dynamic Domain and Base URL

To offer a robust and flexible solution, the domain and path of all endpoints are returned to the caller through the endpoint "Discovery".

The caller should use these returned values rather than hardcoding them. Since this is a new feature, the BaseUrl commonly used by many iTero API consumers is still supported. This document outlines both approaches.

For more information about Discovery, please refer to the "Authentication and Pairing Process V2" specification.

All response bodies are in JSON format.

3.2   Prerequisites

Authentication and pairing must be completed before calling DPMS API, resulting with:

access_token

refresh_token

Check document 'Authentication and Pairing Process V2.docx' to learn more about pairing process.

4   DPMS API Integration

4.1   Get Practice Configuration

Use this call to retrieve practice information prior to calling scan request (refer to 4.2). The practice information that is returned is required as input for scan request API.

To retrieve practice information, use the following GET call:

Discovery	{{Domain}}/{{Path}}/practice-configuration
Legacy	{{baseUrl}}/api/third-party/v2/practice-configuration

4.1.1   Headers

Access token that is returned in pairing step.

Use type of 'Bearer Token'.

4.1.2   Response

Response codes are:

HTTP Status Code	Description	Scenario	Recommendation
200	OK	/	/
401	Unauthorized error	1. Wrong token 2. Missing token	Double-check that the call is using the correct pairing token
500	Internal Server error	/	A retry mechanism is recommended for this error message.

A JSON file containing details of the practice is returned.

```json
{
    "Data": {
        "Header": {
            "CompanyId": number,
            "CompanyName": string,
            "CountryCode": string,
            "ReportDate": date
        },
        "Doctors": [
                {
                    "Id": number,
                    "Name": string
                }
                {
                    "Id": number,
                    "Name": string
                }
                ..
        ],
        "Labs": [
            {
                "Id": number,
                "Name": "string",
                "Types": [
                    "Dental",
                    "Ortho"
                ],
                "Address": "string"
                "DefinedCaseTypes": [
                    number,
                    number
                ]
            },
            {
                "Id": number,
                "Name": "string",
                "Types": [
                    "Dental",
                    "Ortho"
                ],
                "Address": "string"
                "DefinedCaseTypes": [
                    number,
                    number
                ]
            }
            ...
        ],
        "UnitTypes": [
            {
                "Id": number,
                "Name": string
            },
            {
                "Id": number,
                "Name": string
```

```
            },
        ],
    },
    "Status": 1
}
```

The table below lists the returned fields in Data section:

Field	Type	Description			When to use
CompanyId	Number	ID of the paired account			Scan Request
CompanyName	String	Name of the paired account			Upon 3rd party discretion
ReportDate	Date	Current date			Requires to keep data updated
Doctors	List	List of doctors associated with the account			Scan Request
		ID	Number	System ID of doctor	
		Name	String	Name of the doctor	
		SupportedCaseTypes	List of numbers	List of codes for supported case types	
Labs	List	List of labs related to the account			DPMS can use this list to know from which labs to expect cases to arrive
		ID	Number	System ID of the lab	
		Name	String	Name of the lab	
		Types	List of types	options are: • Dental (which is restorative) • Ortho	
		Address	String	Lab address	
		DefinedCaseTypes	List of supported case types	List of case types supported by the lab. This field is for backwards compatibility	
UnitTypes	List	List of unit types supported by the clinic (refer to 4.1.4)			Deprecated
		ID	Number	Code for unit type	
		Name	String	Name of unit type	

A status of 1 is returned upon success.

4.1.3   Unit Types

The following table lists the unit types:

Unit Type Code	Unit Type
1	Regular
2	Crown
3	3/4 Crown
4	Implant Abutment
5	Inlay
6	Onlay
7	Veneer
8	Detachable
9	Missing (edentulous space)
10	Missing (no spaces)
11	Deciduous
12	Scan body
13	CerecGuide

4.2   Scan Request

This call allows the caller to push an RX to the company's scanner(s).

To initiate a scan request, use the following POST call:

Discovery	{{Domain}}/{{Path}}/scan-request
Legacy	{{baseUrl}}/api/third-party/v2/scan-request

The call serves two purposes:

1. Push RX to scanner - Send RX with patient details to the scanner. Clinical information will be filled out on the scanner.

2. Update patient's details. This is available only if the integration is configured to allow it Patient Management calls.

Notes:

- If patient does not exist in the scanner's list of patients a new entry will be added.

- Criteria for matching a patient is:

    o First name

    o Last name

    o Chart number

    In case a patient with all three fields matching exists in the system, the RX will be associated with this patient. If not, a new one will be created.

- If integration is configured to allow patient details update, the caller can update patient first name and/or last name based on matching chart number. If there are more than one patients with the passed chart number, the function will fail with error code 409. Refer to the error codes below.

- Once a patient 'date of birth' is stored, a 'Scan request' would not update the same patient with another date of birth value.

- If NIRI is available, the generated RX will honor the account's NIRI settings.

4.2.1 Headers

Access token that is returned in pairing step.

Use type of 'Bearer Token'.

4.2.2 Response

The scan request returns the Rx ID, as a GUID.

This Rx ID can be used to get an order by Rx.

The table below describes the optional codes returned by the API:

Response codes are:

HTTP Status Code	Description	Scenario	Recommendation

200	OK	/	Example:
			
			``{
			    "Data": "a09292aa-8b06-45f9-a73c-350538bb32f3",
			    "Status": 1
			}```

400	Bad request	1. Wrong DoctorId 2. Wrong data format	Double-check if the data format is correct
401	Unauthorized error	1. Wrong token 2. Missing token	Double-check that the call is using the correct pairing token
409	Conflict	More than one patient is found with the passed chart number. The operation does not go through. This error code is available only if the account is configured to allow patient's details update.	Double-check if there is duplicate chart number for different patient in system. Check with iTero if the update in enable
500	Internal Server error	/	A retry mechanism is recommended for this error message.

Supported format for body is raw using Json only.

```
{
    CompanyId: number,
    DoctorId: number,
    LicenseNumber: string,
    PatientFirstName: string,
    PatientLastName: string,
    PatientChartNumber: string,
    Gender: integer/string,
    DateOfBirth: string/date,
    Notes: string,
    labId: number,
    procedureMapId: number
}
```

Below is a table describing the request fields:

Field	Type	Is mandatory	Description
CompanyId	Number	Yes	ID of account
DoctorId	Number	Yes	ID of the doctor
LicenseNumber	String	No	Doctor's license number. If sent, the doctor's license number will be updated for this RX and on. If empty, the current license number will be used.
PatientFirstName	String	Yes	Patient's first name
PatientLastName	String	Yes	Patient's last name
PatientChartNumber	String	Yes	Patient Chart Number or Medical Record Number (MRN),
Gender	String/Number	No	Patient's gender. Use either: "Male"/"Female" Or 109 (for male)/102 (for female)
DateOfBirth	Date/Time	No	Patient's birth date. Optional formats: YYYY-MM-DDTHH:MM:SS.SSSZ YYYY-MM-DD
Notes	String	No	Any free text
labId	Number	No	ID of the destination lab
procedureMapId	Number	No	ID of the desired procedure (find options below)

4.2.3   Procedure selection

To pass procedure, procedure type and type of destination (lab, myitero.com) use the corresponding procedureMapId. The options for this parameter are below.

Examples:

- To select a Fixed restorative scan which is sent to a restorative lab - use procedureMapId 30

- To select an Invisalign, First Aligners scan - use procedureMapId 4

ProcedureMapID	Procedure Name	Procedure Type	Send To Type
1	Study Model / iRecord	NULL	Ortho lab
2	Study Model / iRecord	iCast	No Send To
3	Invisalign - Vivera	Aligners	No Send To
4	Invisalign - Vivera	First Aligners	No Send To
5	Invisalign - Vivera	First Palatal Expander	No Send To
6	Invisalign - Vivera	Vivera Retainer	No Send To
7	Invisalign - Vivera	Invisalign Retainer	No Send To
8	Appliance	Night guard	Ortho lab
9	Appliance	Bite Split	Ortho lab
10	Appliance	Sports/Mouth guard	Ortho lab
11	Appliance	Apnea/Sleep Appliance	Ortho lab
13	Appliance	Ortho Appliance	Ortho lab
14	Appliance	Night guard	Resto Lab
15	Appliance	Bite Split	Resto Lab
16	Appliance	Sports/Mouth guard	Resto Lab
17	Appliance	Apnea/Sleep Appliance	Resto Lab
19	Appliance	Ortho Appliance	Resto Lab
20	Denture/Removable	Partial Denture/Framework	Resto Lab
21	Denture/Removable	Immediate Denture	Resto Lab
22	Denture/Removable	Full Denture Tissue Based	Resto Lab
23	Denture/Removable	Full Denture Implant Based	Resto Lab
24	Implant Planning	Surgical guide Tooth supported	Resto Lab
25	Implant Planning	Surgical guide Tissue Supported	Resto Lab
26	Implant Planning	Surgical guide Bone supported	Resto Lab
30	Fixed Restorative	NULL	Resto Lab
41	Appliance	NULL	Ortho lab

ProcedureMapID	Procedure Name	Procedure Type	Send To Type
42	Appliance	NULL	Resto Lab
44	Implant Planning	NULL	Resto Lab
46	Implant Planning	Surgical planning only - No guide	Resto Lab
48	Denture/Removable	NULL	Resto Lab
54	Study Model - iRecord	NULL	No Send To
55	Appliance	Night guard	No Send To
56	Appliance	Bite Split	No Send To
57	Denture/Removable	Partial Denture/Framework	No Send To
58	Denture/Removable	Immediate Denture	No Send To
59	Implant Planning	Surgical guide Tooth supported	No Send To
60	Implant Planning	Surgical guide Tissue Supported	No Send To
61	Implant Planning	Surgical guide Bone supported	No Send To
62	Fixed Restorative	NULL	No Send To
63	Appliance	NULL	No Send To
64	Implant Planning	Surgical planning only - No guide	No Send To
65	Implant Planning	NULL	No Send To
66	Appliance	Sports/Mouth guard	No Send To
67	Appliance	Apnea/Sleep Appliance	No Send To
69	Appliance	Ortho Appliance	No Send To
70	Denture/Removable	Full Denture Tissue Based	No Send To
71	Denture/Removable	Full Denture Implant Based	No Send To
72	Denture/Removable	NULL	No Send To
78	Study Model - iRecord	NULL	Resto Lab
80	Study Model - iRecord	NULL	myitero.com
81	Appliance	Night guard	myitero.com
82	Appliance	Bite Split	myitero.com

ProcedureMapID	Procedure Name	Procedure Type	Send To Type
83	Denture/Removable	Partial Denture/Framework	myitero.com
84	Denture/Removable	Immediate Denture	myitero.com
85	Implant Planning	Surgical guide Tooth supported	myitero.com
86	Implant Planning	Surgical guide Tissue Supported	myitero.com
87	Implant Planning	Surgical guide Bone supported	myitero.com
88	Fixed Restorative	NULL	myitero.com
89	Appliance	NULL	myitero.com
90	Implant Planning	Surgical planning only - No guide	myitero.com
91	Implant Planning	NULL	myitero.com
92	Appliance	Sports/Mouth guard	myitero.com
93	Appliance	Apnea/Sleep Appliance	myitero.com
94	Appliance	Ortho Appliance	myitero.com
95	Denture/Removable	Full Denture Tissue Based	myitero.com
96	Denture/Removable	Full Dentrue Implant Based	myitero.com
97	Denture/Removable	NULL	myitero.com
104	Denture/Removable	Full Immediate Denture	Resto Lab
105	Denture/Removable	Full Immediate Denture	No Send To
107	Denture/Removable	Full Immediate Denture	myitero.com

4.3   Delete RX

This call allows the caller to delete RX that was created by Scan Request.

To initiate a scan request, use the following DELETE call:

Discovery	{{Domain}}/{{Path}}/scan-request/:RXID
Legacy	{{baseUrl}}/api/third-party/v2/scan-request/:RXID

Deleting an RX from the DPMS removes the RX from the scanner and from myitero.com and keeps the DPMS and the scanner aligned.

4.3.1   Headers

Access token that is returned in pairing step.

Use type of 'Bearer Token'.

4.3.2   Path Variables

Call parameters should include the following:

- RXID: RXID of the RX that is returned by Scan Request API

4.3.3   Response

The delete RX returns the Rx ID, as a GUID.

The table below describes the optional codes returned by the API:

Response codes are:

HTTP Status Code	Description	Scenario	Recommendation
200	OK	/	Example: ```{ "Data": "a09292aa-8b06-45f9-a73c-350538bb32f3", "Status": 1 }```
400	Bad request	Wrong RXID	Double-check if the data format is correct
401	Unauthorized error	1. Wrong token 2. Missing token	Double-check that the call is using the correct pairing token
500	Internal Server error	/	A retry mechanism is recommended for this error message.

4.4   Get Orders for Practice

To get a list of the practice orders use the following GET call:

Discovery	{{Domain}}/{{Path}}/orders/practice
Legacy	{{baseUrl}}/api/third-party/v2/orders/practice

4.4.1   Headers

Access token that is returned in pairing step.

Use type of 'Bearer Token'.

4.4.2   Parameters

Retrieved scans can be filtered by the following parameters:

Key	Is mandatory	Description
Offset	Yes	Number of orders to skip. Orders are returned from oldest to the most recent. In order to get to the more recent orders use offset variable. Paging is implemented by the parameters *Offset* and *pageSize* together.
pageSize	Yes	Number of orders to retrieve. Maximum number is 1024
dateTo	No	Scans dated up to this date will be returned
dateFrom	No	Scans dated from this date on will be returned
chartNumber	No	Scans with the specified chart number will be returned

4.4.3   Response

Response codes are:

HTTP Status Code	Description	Scenario	Recommendation
200	OK	/	/
401	Unauthorized error	1. Wrong token 2. Missing token	Double-check that the call is using the correct pairing token
500	Internal Server error	/	A retry mechanism is recommended for this error message.

```
{
    "Data": {
        "HasMore": boolean,
        "PageSize": number,
        "Offset": number,
        "Results": [
            {
                "ProcedureName": string,
                "ProcedureTypeName": string,
                "RxId": GUID,
                "OrderId": number,
                "OrderCode": string,
                "ScanningDate": date,
                "DoctorId": number,
                "ScanningOperatorId": number,
                "ScanningOperatorName": string,
                "ScanningTime": number,
                "PatientFirstName": string,
                "PatientLastName": string,
                "PatientChartNumber": string,
                "CaseType": string,
                "CompanyId": number,
                "CompanyName": string,
                "LabId": number,
                "LabName": string,
                "Preps": list,
                "Notes": string,
                "ViewerUrl": string,
                "ThumbnailsDownloadUrl": string,
                "IdeFileUrl": string,
                "ScreenCaptureFileUrl": string,
                "Status": string,
                "DueDate": datetime,
                "PatientId": number,
                "DoctorName": string,
                "DoctorLicenseNumber": string,
                "Urls": {
                        "MyiTero3DViewerUrl": string,
                        "IDEFileUrl": string,
                        "ScreenCaptureUrl": string,
                        "ThumbnailsUrl": string
                        },
                "ScannerModelDescription": string,
                "ScannerModelId": int
            },
            {
            [more scans ]
            }
                ]
    },
    "Status": 1
}
```

Below is a table describing the information that has been returned in the Data section of the response:

Field	Sub Field	Type	Description
HasMore		Boolean	True if more orders are available for retrieval, otherwise, false
PageSize		Number	Number of orders to retrieve. Maximum number is 1024
Offset		Number	Orders offset to retrieve from, use 0 to get the most recent ones. Use a positive number to get older orders
Results	ProcedureName	String	Name of Procedure
	ProcedureTypeName	String	Name of procedure type
	RxId	GUID	Id of Rx
	OrderId	Number	Order Id of the order available for retrieval
	OrderCode	String	Order code of the order available for retrieval
	ScanningDate	Date	Order's scanning date time (Always in GMT + 0)
	DoctorId	Number	Id of the person that performed the scan
	ScanningOperatorId	Number	Id of operator
	ScanningOperatorName	String	Name of operator
	ScanningTime	Number	Scanning time in seconds
	CompanyId	Number	Id of the company that performed the scan
	PatientFirstName	String	Order's patient first name
	PatientLastName	String	Order's patient last name
	PatientChartNumber	String	Order's patient chart number
	CaseType	String	Case type: • Restorative • iRecord • iCast • Invisalign • Invisalign + iRecord
	CompanyId	Number	Id of performing practice
	Company Name	String	Name of performing practice

Field	Sub Field	Type	Description
	LabId	Number	Id of lab which scan is sent to
	LabName	String	Name of lab which scan is sent to

	Preps	List	Array of preps with their attributes, such as type of unit, tooth number etc.
			
			Example:
			
			``json
			"Preps":
			[
			    {
			        "AdaId": 4,
			        "UnitTypeId": 2,
			        "UnitTypeName": "Crown",
			        "BridgeId": null
			    }
			],
			``

	Notes	String	Notes of the doctor, if there is no note will return with null
	ViewerUrl	String	MyiTero.com 3D scan viewer URL
	ThumbnailsDownloadUrl	String	URL to retrieve Thumbnails artifacts
	IdeFileUrl	String	URL to retrieve STL/PLY artifact
	ScreenCaptureFileUrl	String	URL to retrieve screenshots taken for that order (if any)
	Status	String	Order status: • Completed • iTero Modeling • Lab Review • Scanning • iTero Milling • Exporting to Doctor Site • Align Production
	DueDate	Datetime	Restorative orders - Expected delivery date of the product from the lab. Invisalign orders - Order creation date.
	PatientId	Number	PatientID is a deprecated value

Field	Sub Field	Type	Description
	DoctorName	String	Doctor's full name
	Doctor's license number	String	Doctor's license number
	Urls	String	Sub fields: MyiTero3DViewerUrl: MyiTero.com online 3D scan viewer URL IDEFileUrl: URL to retrieve STL/PLY, thumbnails, Rx, and XML file. ScreenCaptureUrl: URL to retrieve screen captures (if any) ThumbnailsUrl: URL to retrieve gallery images of the scan Use the returned URLs to download assets. The full call is described in this document in Download Scan paragraph.
	ScannerModelDescription	String	Scanner model used to create the order
	ScannerModelId	Int	Scanner model unique identifier

A status of 1 is returned upon success.

Use the **returned links** to download assets. This will make sure the call does not break in case of a change in the URLs.

4.4.4 Procedures and types

ID	Procedure Name	Type Name
1	Study Model - iRecord	
		Ortho Model/iCast
2	Invisalign | Vivera	
		Invisalign Aligners
		Invisalign First Aligners
		Invisalign First Palatal Expander
		Vivera Retainer
		Invisalign Retainer
3	Implant Planning	
		Surgical guide Tooth supported
		Surgical guide Tissue Supported
		Surgical guide Bone supported
4	Fixed Restorative	
5	Denture/Removable	
		Partial Denture/Framework
		Immediate Denture
		Full Immediate Denture
		Full Denture Tissue Based
		Full Denture Implant Based
6	Appliance	
		Night guard
		Bite Splint
		Sports/Mouth guard
		Apnea/Sleep Appliance
		Ortho Appliance

4.4.5   Backwards Compatibility

iTero new RX uses Procedures and types. To keep backwards compatibly, the endpoint also returns the equivalent case type. Use case types if the received procedure is null.

> With iTero new RX, new procedures were introduced that don't have a matching case type. The returned case type is the best match.

4.4.6   Order Status

Cases can be returned with different statuses depends on the case flow.
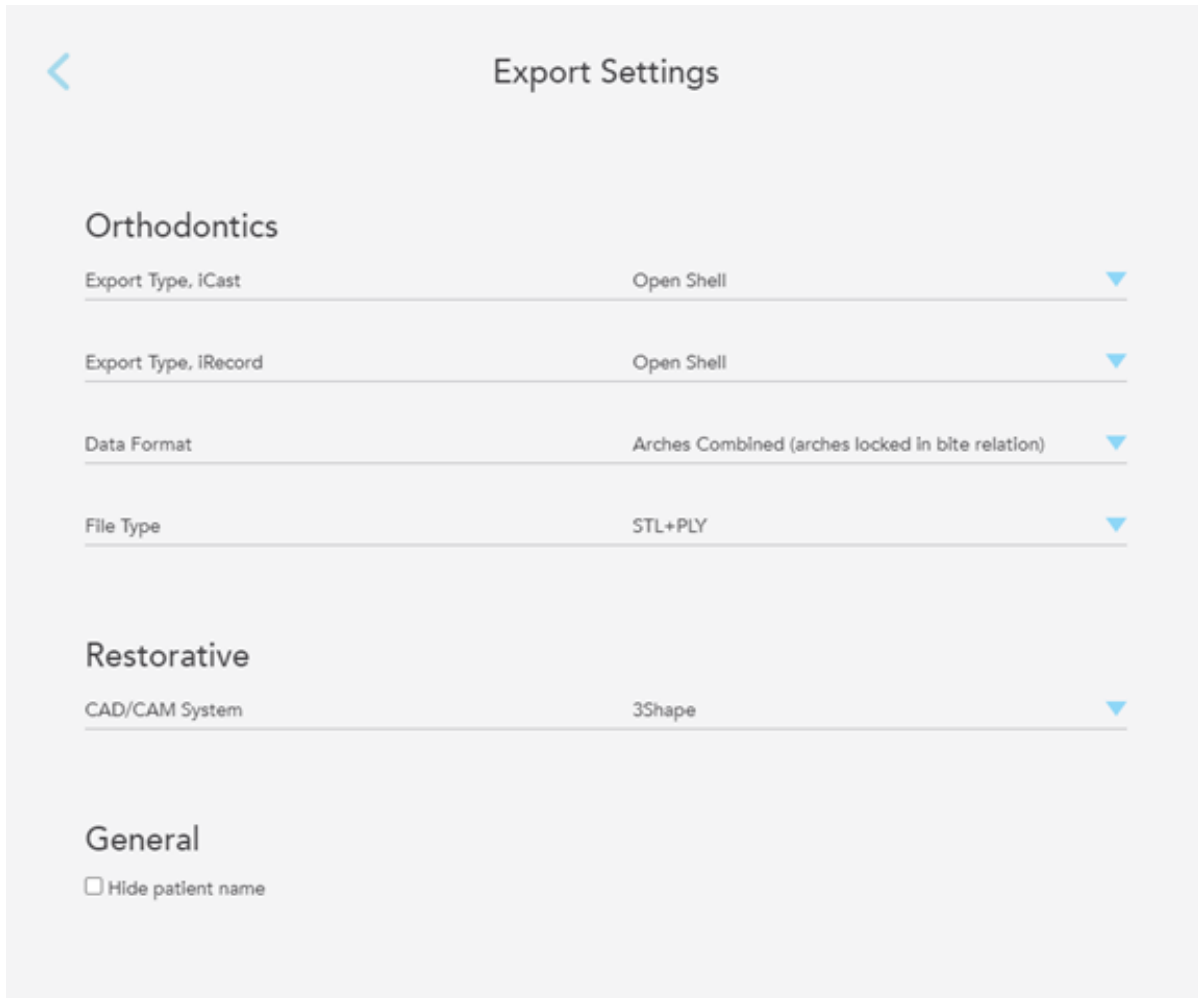
The following table lists the optional statuses:

Status	Stage in flow	Cases	How to handle
Completed	Case is available for download after scanning	All cases but Invisalign	Case is available for the DPMS
iTero Modeling	Case was sent to modeling by the lab	Restorative cases/cases that are sent to lab	
Lab Review	Cases are back to the lab after modeling	Restorative cases/cases that are sent to lab	After modeling the order files are changed. Consider re-download
Scanning	Case is returned to the clinic by the lab	Restorative cases/cases that are sent to lab	Consider alerting the doctor if a case is back (an alert is shown on the scanner)
iTero Milling	Case was sent to milling by the lab	Restorative cases/cases that are sent to lab	
Exporting to Doctor Site	Case was sent to IDS (Invisalign site)	Invisalign cases	
Align Production	Status is used in various scenarios, when the case is processed.	Vary	This is a temporary status.

Note that a case can be listed with different statues as it goes in the flow. The case ID will not change while its status will.

4.4.7   Listed Orders

User can retrieve a list of clinic's scans. The retrieved scans are orders that meet the criteria defined in 4.3.1. An order will be listed when it has zip file, thumbnails and it is ready on myitero.com.

Note: In order to have the zip file ready, each user of a clinic must have export settings defined. A default is currently applied, but if a user wants different export settings, they must be modified. Selecting export settings is done in myitero.com, in settings. Below is an example for selected settings:

A third party can choose to select export settings to be applied to all clinics that are part of the integration. So all downloaded files are consistent.

Note that this is optional, and if done, it will not be reflected on myitero.com.

4.4.8   Link to iTero Viewer
The returned response provides a direct link to view the case in iTero 3D viewer (ViewerUrl).

Note:

- It is required to log in to myitero.com to see the scan (once per session).

- In order to view scans of another doctor in the clinic, a Full Oder Visibility must be granted. Please contact iTero support.

4.5 Callback Request

Scan notifications is a mechanism that implements a webhook to notify that a new scan is ready. This mechanism can be used in exchange or in addition to the polling mechanism of Get Orders.

Once the model is scanned and sent to the server (Order is created), Align will POST the GUID of the order to the callback URL that was supplied as part of the scan request endpoint.

Note: A notification will be sent only if the callback URL is provided in pairing or if a callback URL is configured for all the users of that connection by request.

4.5.1 Notification Criteria

A notification will be sent once the 3 listed files are ready:

- Scan is available on myitero.com for view

- Zip file (STL/PLY) is ready

- Thumbnails artifacts are ready

Note that currently a new screen capture will not trigger a notification.

A notification for a scan will be pushed every time a scan has changed. This will happen in the following cases:

- After scanning (first time, should always happen)

- After modeling

- After interpretation 2

- After re-scan if scan is returned to the doctor

Webhook notifications might be missed because of different reasons such as downtime. To make sure no scan is missed poll for new scans (Get Orders for Practice) occasionally.

4.5.2 Pushed data

The push notification includes:

1. Id: RX ID (GUID).

2. CompanyId: Account number to which the scan belongs

The RX ID can be used to fetch an order using the call described in 4.6 (Get Orders by RXID).

The account number can help the third party locate the account to which the scan belongs to.

If scan notification is not used, the alternative is to constantly poll the 'get orders' calling the API described in 4.4 (Get Orders for Practice).

Code block 1 Notification Example

```
{
    "Id": "9700b318-b89a-4004-9b74-ad9cd657c03f",
    "CompanyId": "90360"
}
```

4.5.3   Callback URL

Callback URL can be provided to Align by the third party as described in the 'Authentication and Pairing Process - V2 .

4.6   Get Order by RX ID

To get a specific scan by its Rx GUID use the following GET call:

Discovery	{{Domain}}/{{Path}}/orders/:rxId
Legacy	{{baseUrl}}/api/third-party/v2/orders/:rxId

This endpoint displays the same information as Get Orders for Practice. The difference is that it returns only 1 order.

Use this endpoint if using the webhook. The webhook provides RXID that can be used in this endpoint to get the specific scan meta data.

4.6.1   Headers

Access token that is returned in pairing step.

Use type of 'Bearer Token'.

4.6.2   Path Parameters

Pass RxID (GUID) to the call.

4.6.3   Response

Response codes are:

HTTP Status Code	Description	Scenario	Recommendation
200	OK	/	/
400	Bad request	Wrong RXID format	Double-check the data format
401	Unauthorized error	1. Wrong token 2. Missing token	Double-check that the call is using the correct pairing token
404	Not found	Wrong RXID	Double-check if the RXID is correct

500	Internal Server error	/	A retry mechanism is recommended for this error message.

In case of returned code of 200, the following response will be returned。

Response returns the details for the specific scan:

```json
{
    "Data": {
            "ProcedureName": string,
            "ProcedureTypeName": string,
            "RxId": GUID,
            "OrderId": number,
            "OrderCode": string,
            "ScanningDate": date,
            "DoctorId": number,
            "ScanningOperatorId": number,
            "ScanningOperatorName": string,
            "ScanningTime": number,
            "PatientFirstName": string,
            "PatientLastName": string,
            "PatientChartNumber": string,
            "CaseType": string,
            "CompanyId": number,
            "CompanyName": string,
            "LabId": number,
            "LabName": string,
            "Preps": list,
            "Notes": string,
            "ViewerUrl": string,
            "ThumbnailsDownloadUrl": string,
            "IdeFileUrl": string,
            "ScreenCaptureFileUrl": string,
            "Status": string,
            "DueDate": datetime,
            "PatientId": number,
            "DoctorName": string,
            "DoctorLicenseNumber": string,
            "Urls": {
                    "MyiTero3DViewerUrl": string,
                    "IDEFileUrl": string,
                  "ScreenCaptureUrl": string,
                    "ThumbnailsUrl": string
                    },
            "ScannerModelDescription": string,
            "ScannerModelId": int
        },
        "Status": 1
}
```

Below is a table describing the information that has been returned in the Data section of the response:

Field	Type	Description
ProcedureName	String	Name of Procedure
ProcedureTypeName	String	Name of procedure type
RxId	GUID	Id of Rx
DoctorId	Number	Id of the doctor
ScanningDate	Date	Order's scanning date time (Always in GMT + 0)
ScanningOperatorId	Number	Id of person that performed the scan
ScanningOperatorName	String	Name of person that performed the scan
ScanningTime	Number	Number of seconds of scan
PatientFirstName	String	Order's patient's first name
PatientLastName	String	Order's patient's last name
PatientChartNumber	String	Order's patient Chart number
CaseType	String	Case type: • Restorative • iRecord • iCast • Invisalign • Invisalign + iRecord
CompanyId	Number	ID of the company that performed the scan
CompanyName	String	Name of the company that performed the scan
LabId	Number	ID of the lab that received the scan
LabName	String	Name of the lab that received the scan
Preps	List	Array of preps with their attributes, such as type of unit, tooth number etc.
Notes	String	Notes of the doctor, if there is no note will return with null
ViewerUrl	String	MyiTero.com 3D scan viewer URL
ThumbnailsDownloadUrl	String	URL to retrieve STL/PLY artifact
IdeFileUrl	String	URL to retrieve Thumbnails artifacts

Field	Type	Description
ScreenCaptureFileUrl	String	URL to retrieve screen captures (if any)
Status	String	Order status: • Completed • iTero Modeling • Lab Review • Scanning • iTero Milling
DueDate	Datetime	Restorative orders - Expected delivery date of the product from the lab. Invisalign orders - Order creation date.
PatientId	Number	PatientID is a deprecated value
DoctorName	String	Doctor's full name
DoctorLicenseNumber	String	Doctor's license number
Urls	String	Sub fields: MyiTero3DViewerUrl: MyiTero.com 3D scan viewer URL IDEFileUrl: URL to retrieve Thumbnails artifacts ScreenCaptureUrl: URL to retrieve screen captures (if any) ThumbnailsUrl: URL to retrieve STL/PLY artifact
ScannerModelDescription	String	Scanner model used to create the order
ScannerModelId	Int	Scanner model unique identifier

Status of the call will be 1 for a successful call. Otherwise 0.

Refer to Procedures and Types above for procedure types.

> Use the **returned links** to download assets. This will make sure the call does not break in case of a change in the URLs.

4.7   Download Scan

Having the order ID, scan files can be retrieved for a specific order.

To retrieve an artifact, use the following GET request:

Discovery	{{Domain}}/{{Path}}/order/:orderId/download/:assetType
Legacy	{{baseUrl}}/api/third-party/v2/order/:orderId/download/:assetType

4.7.1   Header

Access token that is returned in pairing step

Use type of 'Bearer Token'

4.7.2   Path Variables

Call parameters should include the following:

- orderId: ID of the requested order

- assetType: Asset type is one of the following:

-

  - IMAGE_GALLERY – for thumbnails

  - IDE – for STL/PLY file (along with thumbnails and metadata)

  - SCREEN_CAPTURE - for screen captures

Note that a link to screen captures is provided regardless if screen captures were taken. The call will return error code 204 (no content) in case no captures are available. However, screen captures can be taken at any time after the scan is completed, so if taken at a later time, they will be available for download using this API.

4.7.3   Response

Response codes are:

HTTP Status Code	Description	Scenario	Recommendation
200	OK	File was downloaded successfully	/
204	No content	There are no screenshot created for the scan	
400	Bad request	Wrong asset format	Double-check that the call is using the correct asset name
401	Unauthorized error	1. Wrong token 2. Missing token	Double-check that call is using the correct pairing token

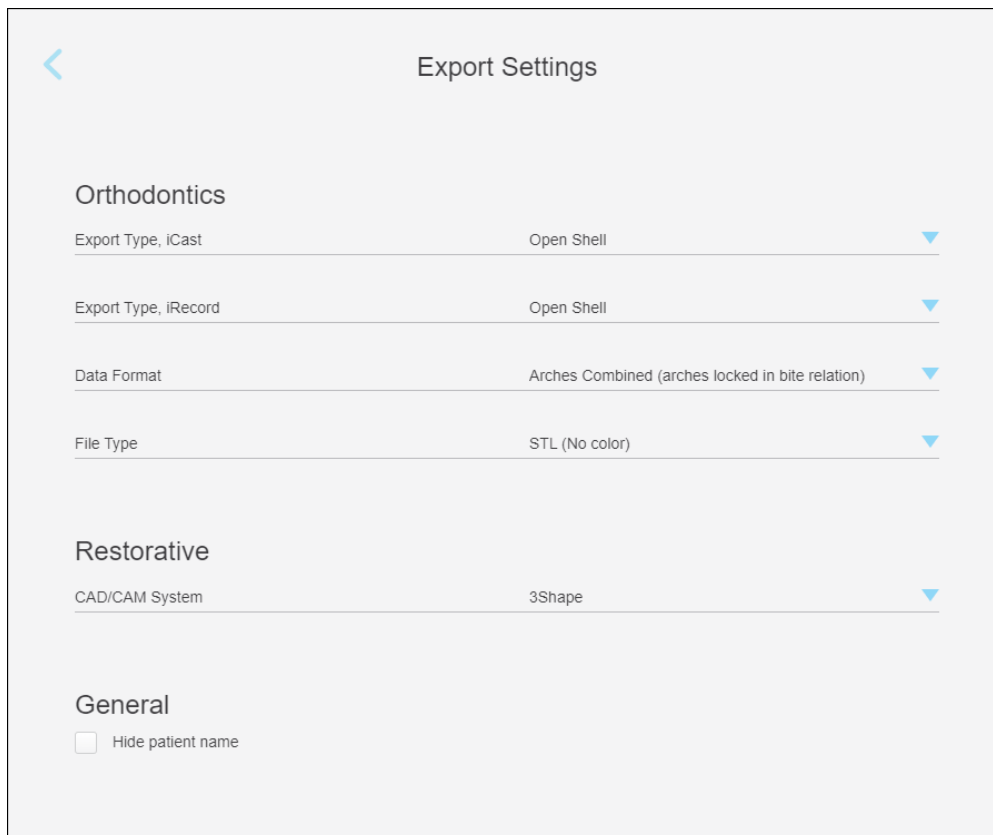| 404 | Not found | 1. Wrong orderid
2. Wrong asset type
3. 3D/iDE file not yet ready | This error code will trigger the generation of the 3D file (iDE) if not generated; Therefore, a retry mechanism is recommended.

Make sure to wait enough time as the file generation time varies around 1 -2 minutes. |
| 500 | Internal Server error | / | A retry mechanism is recommended for this error message. |

4.7.4 Downloaded Artifacts

All artifact types are downloaded in a zip format.

Asset Type	Notes	Artifacts
iDE	3D file format meets the selected format by the user	• 3D files (STL/PLY) • RX in PDF format • Scan metadata in XML format • Thumbnails for ortho case
IMAGE_GALLLERY	Also called thumbnails	Six photos (JPG) of the scan of different views
SCREEN_CAPTURE	A link to screen captures is provided regardless if screen captures were taken. The call will return error code 204 (no content) in case no captures are available. Screen captures can be taken at any time after the scan is completed (from the scanner or in myitero.com), so if taken in a later time, they will be available for download using this API.	• Entire scanner window • 3D image • 2D NIRI image (iTero Element 5D only) • 2D color image (iTero Element 5D only)

4.7.5 Export Format

A scan will be converted to the format that is selected by the doctor on myitero.com (the selection is individual per user):

- If changing the Export Format, the change will apply to all cases downloaded from this point on, including old cases.

- Downloading a scan in a different format can be done from myitero.com.

- A third party can choose to select export settings to be applied to all clinics that are part of the integration. In case it is used, it will not be reflected on myitero.com. In order to do it please contact iTero Professional Services, or iteroapisupport@aligntech.com

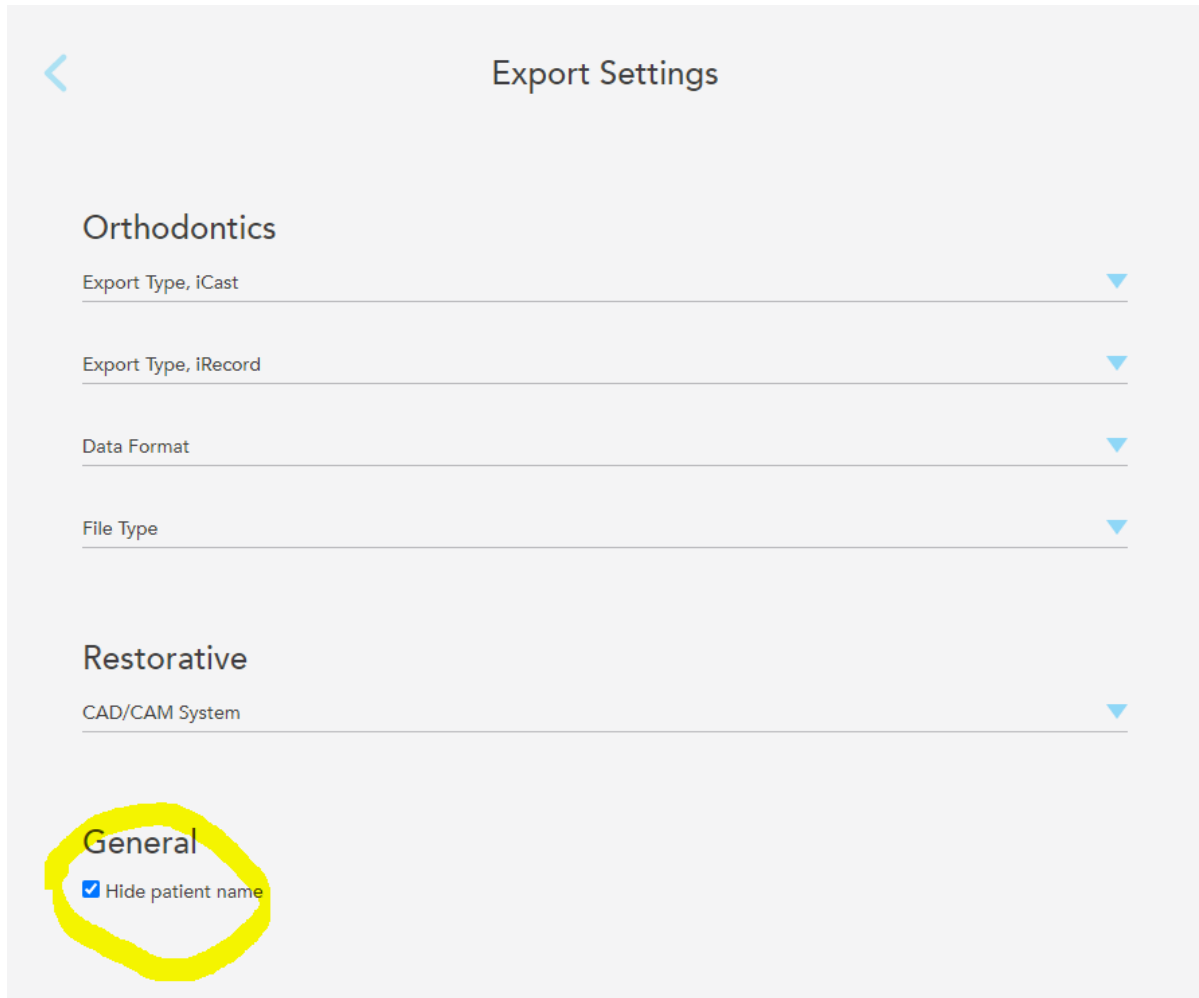### 4.7.6   Default Export Settings

If no export settings are selected, the scan files will be generated by default settings:

Parameter	Default Value
Export Type iCast	Solid Model with Low Profile Base
Export Type iRecord	Solid Model with Low Profile Base
Data Format	File per arch (each arch with teeth up)
File Type	STL
CAD CAM System	Color Export Open Model

4.7.7   Hide Patient Name

Patient name can be hidden from metadata file (XML) if selected. It will appear in the metadata returned by the API calls of 'Get Orders for Practice' (4.4) and get order by RxID (4.5), but will be removed from the metadata that is downloaded with the 3D file.

Hiding a patient name is done from myitero.com in the 'Export Settings' window:

Each doctor has to select this option to apply it to his orders.

4.8   Get List of Screen Captures

To get a list of screen captures use the following GET call:

Discovery	{{Domain}}/{{Path}}/latest-files
Legacy	{{baseUrl}}/api/third-party/v2/latest-files

4.8.1   Headers

Access token that is returned in pairing step.

Use type of 'Bearer Token'.

4.8.2   Path Variables

The returned list can be filtered by date.

Key	Is mandatory	Description	How to Use
dateFrom	No	Scans dated from this date on will be returned	dateFrom=YYYY-MM-DD If no date is passed the call will return a list from the past 14 days. If a time span of more than 90 days is passed, the call will return the data for the past 90 days.

4.8.3   Response

Response codes are:

HTTP Status Code	Description	Scenario	Recommendation
200	OK	/	/
401	Unauthorized error	1. Wrong token 2. Missing token	Double-check that the call is using the correct pairing token
500	Internal Server error	/	A retry mechanism is recommended for this error message.

In case of returned code of 200 the file is downloaded successfully.

```
{
    "Data": {
        "Since": "YYYY-mm-DDTHH:MM:SSZ",
        "CompanyId": number,
        "OrderFileUrls": [
            {
                "OrderId": string,
                "Urls": {
                    "SCREEN_CAPTURE": [
                        {
                            "FileUrl": URL,
                            "CreatedDate": "YYYY-MM-DDTHH:MM:SS.SSSZ"
                        },
                        {
                            "FileUrl": URL,
                            "CreatedDate": "YYYY-MM-DDTHH:MM:SS.SSSZ"
                        }
                    ]
                }
            },
            {
                "OrderId": string,
                "Urls": {
                    "SCREEN_CAPTURE": [
                        {
                            "FileUrl": URL,
                            "CreatedDate": "YYYY-MM-DDTHH:MM:SS.SSSZ"
                        },
                        {
                            "FileUrl": URL,
                            "CreatedDate": "YYYY-MM-DDTHH:MM:SS.SSSZ"
                        },
                        ...
                    ]
                }
            }
            ...
        ]
    },
    "Status": 1
}
```

Below is a table describing the information that has been returned in the Data section of the response:

Tag	Type		Description
Since	Date		The date from which the data is returned
CompanyId	Number		ID of the company that owns the assets
OrderFileUrls			list of assets by order ID
	OrderId	String	ID of the order
	Urls	String	An array of available assets for the Order ID

		SCREEN_CAPTURE	String	Label for the assets type
		FileUrl	String	Link to download the asset
		CreatedDate	Date	Creation date of the asset

A status of 1 is returned upon success.

4.9   Download Single Screen Capture

In order to use this endpoint, a call to 'Get List of Screen Captures' is mandatory to know the specific screenCaptureID.

To download asset use the following GET call:

Discovery	{{Domain}}/{{Path}}/order/:orderId/download/SCREEN_CAPTURE/:screenCaptureID
Legacy	{{baseUrl}}/api/third-party/v2/order/:orderId/download/SCREEN_CAPTURE/:screenCaptureID

Note that the full zip of screen captures can be downloaded using 'Download Scan' passing 'SCREEN_CAPTURE' to the call. Downloading specific screen captures can be done using this call.

4.9.1   Headers

Access token that is returned in pairing step.

Use type of 'Bearer Token'.

4.9.2   Path Variables

Call parameters should include the following:

- orderId: ID of the requested order

- screenCaptureID: screenCaptureID that was returned in the 'Get List of Screen Captures' call

Note: Please use the full return path from 'Get List of Screen Captures'. This will assure compatibility in case changes are made to the base URL in later calls.

4.9.3   Downloaded Artifacts

The desired JPG photo will be downloaded.

5   Patient Management API

Set of APIs that allow a DPMS to perform operations to patients belonging to a practice. It is enabled by request from the integration partner.

This set of APIs includes the following:

- **Patient Search**

- **Patient Search - V3**

- **Patient Details Update by Patient ID**

- **Patient Details Update by Chart Number**

- **Scan Request with Update**

- **Pairing Enhancement**

5.1   Patient Search

Use this call to search for patients that match the following 2 criteria:

- First name and last name (Exact match)

- Chart number

The 2 criterions are mandatory.

The call returns zero to multiple entries as shown in the example below:

Description	Send	API returns
Pass first name, last name and chart number. API returns all entries that meet one of the following: 1. First + last names match 2. Chart number match 3. First name, last name and chart number match	John Doe 123	John Doe 123 John Doe 333 Mike Barlowe 123
Since the 2 search criterions are mandatory, if you don't send chart parameter in the call, the endpoint will assume you are searching for a blank chart number.	John Doe	John Doe 123 John Doe Mike Caddel Steve Laurier
The practice should fix users who have the same chart number to avoid confusion. This is an example where you only send chart number	567	John Whitlock 567 Steven Doe 567

To search patient, use the following GET call:

Discovery	{{Domain}}/{{Path}}/patient/search
Legacy	{{baseUrl}}/api/third-party/v2/patient/search

5.1.1   Headers

Access token that is returned in pairing step.

Use type of 'Bearer Token'

5.1.2 Query Parameters

Parameter	Type
firstName	String
lastName	String
chartNumber	String

5.1.3 Response

A JSON response containing the matching entries is returned.

```
[
    {
        "UniqueId": guid,
        "DateOfBirth": Date/Time,
        "Gender": 1 for female, 0 for male
        "ChartNumber": String,
        "FirstName": String,
        "LastName": String
    },
    ...
]
```

UniqueId is a GUID of the patient that should be used in the following API to update patient's details.

5.2 Patient Search - V3

Use this call for enhanced patient search.

> Using V3 endpoints requires using V3 discovery API.

The endpoint returns a list of patients associated with the paired clinic that match the criteria passed in the filters.

Notes:

1. If no filtering criteria is passed, all patients will be returned.

2. Multiple filters are treated with AND operation.

3. Wildcard search using * or % is allowed.

4. The results are limited to 100 per call

To search patient, use the following GET call:

Discovery	{{Domain}}/{{Path}}/patient/search
Legacy	Not Available
Version	3

5.2.1   Headers

Access token that is returned in pairing step.

Use type of 'Bearer Token'

5.2.2   Query Parameters

Parameter	Type	Mandatory	Default	Notes
Offset	Integer	No	0	Manage pagination. Offset will set the index of the start entry
Limit	Integer	No	100	Number of entries to return
FirstName	String	No		Patient name. Can use wildcard
LastName	String	No		Patient last name. Can use wildcard
ChartNumber	String	No		Patient chart number. Can use wildcard
UpdatedDateFrom	date (yyyy-mm-dd)	No		Patients with updated date later (or equal) than UpdatedDateFrom
UpdatedDateTo	date (yyyy-mm-dd)	No		Patients with updated date earlier than UpdatedDateTo
LastScanDateFrom	date (yyyy-mm-dd)			Patients' last scan later (or equal) than LastScanDateFrom
LastScanDateTo	date (yyyy-mm-dd)			Patients' last scan earlier thanLastScanDateTo

5.2.3   Response Body

A JSON response containing the matching entries is returned.

```json
{
    "Data": [
        {
            "Id": guid,
            "FirstName": String,
            "LastName": String,
            "ChartNumber": String,
            "DateOfBirth": date,
            "Gender": String,
            "CreationDate": date,
            "UpdatedDate": date,
            "LastScanDate": date
        },
        ...
    ],
      ],
    "Meta": {
        "Total": integer,
        "Count": integer,
        "NextOffset": integer
    },
    "Links": {
        "Self": "/third-party/v3/patients/search?Offset=0&Limit=100",
        "Next": "/third-party/v3/patients/search?Offset=100&Limit=100"
    },
    "Status": "Success"
}
```

Below is a table describing the returned information of the response:

Section	Tag	Type	Description
Data			
	Id	GUID	Unique identifier of a patient
	FirstName	String	Patient's first name
	LastName	String	Patient's last name
	ChartNumber	String	Patient's chart number
	Gender	String	"Male" or "Female" if exists. Otherwise, null
	DateOfBirth	date	Patient's birth date if exists. Otherwise, null
	CreationDate	String	Patient's creation date if exists. Otherwise, null
	UpdatedDate	String	Patient's update date if exists. Otherwise, null
	LastScanDate	String	Patient's last scan date if exists. Otherwise, null
Meta			

Section	Tag	Type	Description
	Total	integer	Total number patients meet the search criteria
	Count	integer	Number of entries returned
	Next offset	integer	offset to use in the next call (current offset + limit)
Links			
	Self	URL	call to the same endpoint with the same parameters
	Next	URL	Get the next batch for the same call
	Prev	URL	Get the previous batch for the same call
Status			Success or error code

5.2.4   Response Code

HTTP Status Code	Description	Scenario	Recommendation
200	OK	/	/
401	Unauthorized error	1. Wrong token 2. Missing token	Double-check that the call is using the correct pairing token
| 400 | Bad Request | Wrong passed parameters | Fix or removed passed parameters and call again example<br><br>```json
{
    "Status": 2,
    "Message": "Invalid request parameters",
    "Code": "INVALID_REQUEST_PARAMETERS",
    "Errors": [
        {
            "Field": "LastScanDateTo",
            "Message": "The value '2024-01-1199' is not valid for LastScanDateTo."
        }
    ]
}
``` |
| 404 | Not Found | No matches | Extend filtering |
| 500 | Internal Server error | / | A retry mechanism is recommended for this error message |

5.3   Patient's Details Update by Patient ID

This call should follow the case of multiple entries returned for Patient Search.

To update patient's details use the following PATCH call:

Discovery	{{Domain}}/{{Path}}/patients
Legacy	{{baseUrl}}/api/third-party/v2/patients

5.3.1   Headers

Access token that is returned in pairing step.

Use type of 'Bearer Token'

5.3.2 Body

```
{
  "PatientId": "00000000-0000-0000-0000-000000000000",
  "ChartNumber": "string",
  "FirstName": "string",
  "LastName": "string"
}
```

Field	Description	Mandatory
PatientId	Patient GUID returned from Patient Search For example: 8683e5e5-a9fe-47ff-96e8-2bd9aab41d23	Yes
ChartNumber	Chart number to set for patient	One or more should be set according to the Boolean value that is passed in the "Has_" parameters.
FirstName	Chart number to set for patient	
LastName	Chart number to set for patient	

5.3.3 Response Body

```
{
  "LastScanDate": null,
  "RowStatus": 1,
  "DateUpdated": "2021-04-25T19:40:58.0110489Z",
  "Type": 0,
  "AlignPatientId": null,
  "Id": 0,
  "UID": "8683e5e5-a9fe-47ff-96e8-2bd9aab41d23",
  "FirstName": "string",
  "LastName": "string",
  "ChartNumber": "string",
  "DateOfBirth": "yyyy-mm-ddThh:MM:ss.MMM",
  "Gender": 1 for female, 0 for male
  "MI": null,
  "ZipCode": null
}
```

5.3.4 Response Code

Code	Description	Notes
200	Success	Success
400	No update required	No parameter for update is passed, or patient's GUID is not found
404	No Content	Missing patient's GUID

Code	Description	Notes
500	Internal server error	

5.4   Patient's Details Update by Chart Number

Use this call to update patient's details base on patient's chart number. This is useful for patient name changes or typos.

To search patient, use the following PATCH call:

Discovery	{{Domain}}/{{Path}}/patient/by-chart-number
Legacy	{{baseUrl}}/api/third-party/v2/patient/by-chart-number

5.4.1   Headers

Access token that is returned in pairing step.

Use type of 'Bearer Token'

5.4.2   Request Body

Request body includes the chart number by which the patient is searched and the new patient's details:

```
{
    "ChartNumber": String,
    "FirstName": String,
    "LastName": String,
    "DateOfBirth": Date/Time,
    "Gender": "Female" or "Male"
}
```

Field	Description	Mandatory
ChartNumber	Patient's chart number	Yes
FirstName	Patient's first name	At least one value is mandatory. Pass one or more.
LastName	Patient's last name	
DateOfBirth	Patient's date of birth using format of: YYYY-MM-DDTHH:MM:SS.mmm For example, "1989-04-13T19:45:40.339Z" or "1989-04-13",	
Gender	Patient's gender: "Female" or "Male" or integer: 0 for Male, 1 for female	

5.4.3   Response

Response for the call returns one of the following values:

Code	Description	Notes
200	Successful update	

Code	Description	Notes
400	Invalid request	Invalid request in case of: • Missing chart number • Missing all other fields (should pass at least one of FirstName, LastName, DateOfBirth, Gender)
404	No patient with the passed chart number is found	

409	More than one patient with the passed chart number is found.
	
	The list of matching patients will be returned.
		
		``json
		[
		    {
		        "DoctorId": 42556,
		        "CompanyId": 18388,
		        "LastScanDate": "2021-01-14T12:13:33",
		        "RowStatus": 1,
		        "DateUpdated": "2021-01-14T12:29:57.875966",
		        "Type": 1,
		        "AlignPatientId": null,
		        "Id": 4470686,
		        "UID": "4197c230-74dc-4067-8b61-911146457588",
		        "FirstName": "first name",
		        "LastName": "last name",
		        "ChartNumber": "000",
		        "DateOfBirth": null,
		        "Gender": 0,
		        "MI": "l",
		        "ZipCode": null
		    },
		    ...
		}
		``
		
		Gender returns 1 for female, 0 for male

500	Internal server error	

5.5   Scan Request with Update

This is the same endpoint listed in this document as 'Scan Request' in Section 4.2,

As Scan Request creates a patient in iTero system, a configuration for a connection can help avoiding creating patients' duplication of patients.

A patient is created according to the following rules:

- If patient does not exist in the scanner's patients list, a new entry will be added. Criteria for matching a patient is:

  o   First name

  o   Last name

      o   Chart number

In case a patient with all three fields matching exists in the system, the RX will be associated with this patient.

- If integration is configured to allow patient details update, the caller can update patient first name and/or last name based on matching chart number. If there are more than one patient with the passed chart number, the function will fail with error code 409 (Multiple entries are found).

5.6   Pairing Enhancement

When pairing API is called a warning will be returned in case the system finds multiple patients sharing the same chart number or there are patients missing chart number.

This allows the clinic to run housekeeping before starting to use the DPMS integration. This is a one-time effort that will pay off in the future.

For more details about pairing please refer to DPMS API V2.pdf.

```
{
  "Data": {
    "OAuthResponse": ...,
    "Warnings": [
      "Empty or duplicate patient identifiers (chart#) exists in iTero patient
database"
    ],
    "CompanyId": number
  },
  "Status": 1
}
```

6   API Summary

The following tables describe the DPMS and Patient Management APIs in tabular format.

6.1   Practice Configuration

Done by:	Third party user	
Authentication:	Access Token	
URL:	**Discovery**	{{Domain}}/{{Path}}/practice-configuration
	Legacy	{{baseUrl}}/api/third-party/v2/practice-configuration
Parameters		
Parameter Format:		
Returns:	Practice details	

6.2   Scan Request

Done by:	Third party user	
Authentication:	Access Token	
URL:	**Discovery**	{{Domain}}/{{Path}}/scan-request/
	Legacy	{{baseUrl}}/api/third-party/v2/scan-request/
Parameters:	RX data in request body	
Parameter Format:	JSON	
Returns:	RX ID	

6.3   Delete Rx

Done by:	Third party user	
Authentication:	Access Token	
URL:	**Discovery**	{{Domain}}/{{Path}}/scan-request/:RXID
	Legacy	{{baseUrl}}/api/third-party/v2/scan-request/:RXID
Parameters:	RXID to be deleted	
Parameter Format:	JSON	
Returns:	RX ID and status code	

6.4   Callback Request

Done by:	iTero system
Parameter Format:	JSON
Returns:	RXID and account number

6.5   Get Orders for Practice

Done by:	Third party user	
Authentication:	Access Token	
URL:	**Discovery**	{{Domain}}/{{Path}}/orders/practice
	Legacy	{{baseUrl}}/api/third-party/v2/orders/practice
Parameters	Offset, pageSize, dateTo, dateFrom, chartNumber	
Parameter Format:		
Returns:	List of orders	

6.6   Get Order by RX ID

Done by:	Third party user	
Authentication:	Access Token	
URL:	**Discovery**	{{Domain}}/{{Path}}/orders/:rxId
	Legacy	{{baseUrl}}/api/third-party/v2/orders/:rxId
Parameters	RX ID	
Parameter Format:	GUID	
Returns:	Order details	

6.7   Download Scan

Done by:	Third party user	
Authentication:	Access Token	
URL:	**Discovery**	{{Domain}}/{{Path}}/order/:orderId/download/:assetType
	Legacy	{{baseUrl}}/api/third-party/v2/order/:orderId/download/:assetType
Parameters	Order ID, asset type	
Parameter Format:		

Returns:	STL/PLY or thumbnails artifacts

6.8 Get List of Screen Captures

Done by:	Third party user	
Authentication:	Access Token	
URL:	**Discovery**	{{Domain}}/{{Path}}/latest-files?dateFrom=YYYY-MM-DD
	Legacy	{{baseUrl}}/api/third-party/v2/latest-files?dateFrom=YYYY-MM-DD
Parameters	Date from	
Parameter Format:	Date	
Returns:	List of assets	

6.9 Download Single Screen Capture

Done by:	Third party user	
Authentication:	Access Token	
URL:	**Discovery**	{{Domain}}/{{Path}}/order/:orderId/download/SCREEN_CAPTURE/:screenCaptureID
	Legacy	{{baseUrl}}/api/third-party/v2/order/:orderId/download/SCREEN_CAPTURE/:screenCaptureID
Parameters	Order ID, Screen Capture ID	
Parameter Format:		
Returns:	JPG photo	

= = Patient Management Summary = =

6.10 Patient Search

Done by:	Third party user	
Authentication:	Access Token	
URL:	**Discovery**	{{Domain}}/{{Path}}/patient/search
	Legacy	{{baseUrl}}/api/third-party/v2/patient/search

Parameters	Patient's first name, last name, chart number
Parameter Format:	
Returns:	JSON list containing all patients matching to search criteria

6.11 Patient Search – V3

Done by:	Third party user	
Authentication:	Access Token	
URL:	Discovery	{{Domain}}/{{Path}}/patient/search
	Legacy	Not available
Parameters	Patient's first name, last name, chart number, date range, update data range	
Parameter Format:		
Returns:	JSON list containing all patients matching to search criteria	

6.12 Patient's Details Update by Patient ID

Done by:	Third party user	
Authentication:	Access Token	
URL:	Discovery	{{Domain}}/{{Path}}/patients
	Legacy	{{baseUrl}}/api/third-party/v2/patients
Parameters:	Body includes: PatientId, chartNumber, firstName, LastName	
Parameter Format:	JSON	
Returns:	Success or fail	

6.13 Patient's Details Update by Chart Number

Done by:	iTero system	
Authentication:	Access Token	
URL:	Discovery	{{Domain}}/{{Path}}/patient/by-chart-number
	Legacy	{{baseUrl}}/api/third-party/v2/patient/by-chart-number
Parameters	Patient's first name, last name, chart number, date of birth, gender	

Parameter Format:	JSON
Returns:	Success or list of matching patients