



Orchestra Calendar Public Appointment API

Orchestra Calendar Public Appointment API

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2016-11-08	M.D. de Winter	Updated for Orchestra 6.1
2017-01-11	M.D. de Winter	Added appointment search through externalId
2017-03-31	M.D. de Winter	Clarified the externalId usage and added usage of publicId to hide services or branches
2017-06-21	M.D. de Winter	Added customSlotLength parameter, textual changes
2017-07-03	M.D. de Winter	Clarified the ../reschedule endpoint
2017-07-25	M.D. de Winter	Added the endpoints to get services which can be booked together

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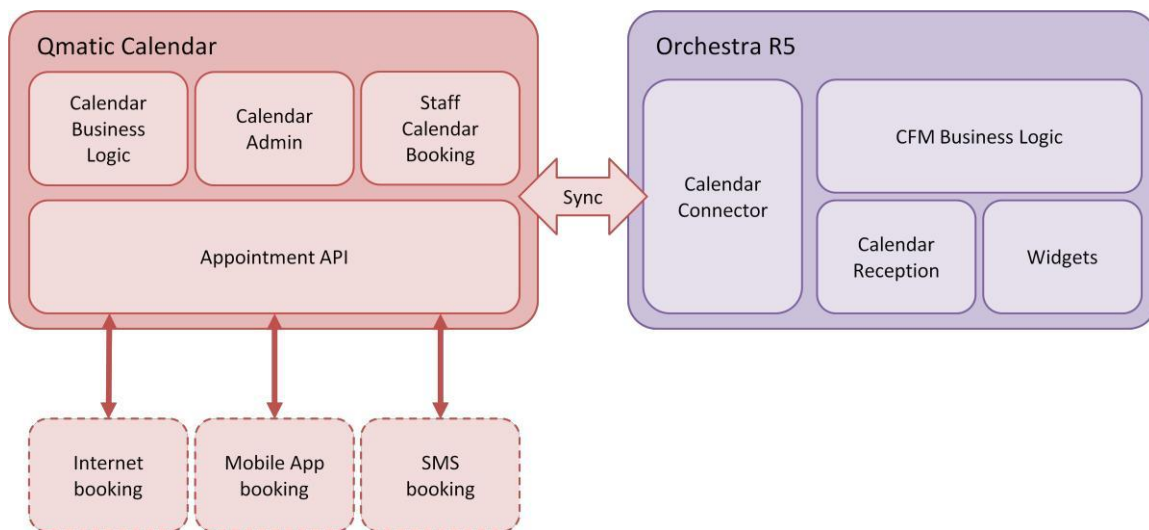
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1. Orchestra Calendar Public Appointment API

The Orchestra Calendar Public Appointment API is part of Qmatic Orchestra Calendar. Orchestra Calendar is a Service based appointment booking system that is available as add-on to Orchestra.

The Appointment API exposes booking functionality that allows developers to build booking solutions as: Internet booking, Mobile app booking, SMS booking.



Appointment Syncing between the Calendar and Orchestra

New and updated appointments made with the Calendar/ Calendar API that will take place in the future will be synced with Orchestra. During this synchronization, any appointment creation, alteration or deletion needs to be denied.

The synchronization runs between 00:00 and 00:05 on every day of the week.

Customer mapping with orchestra

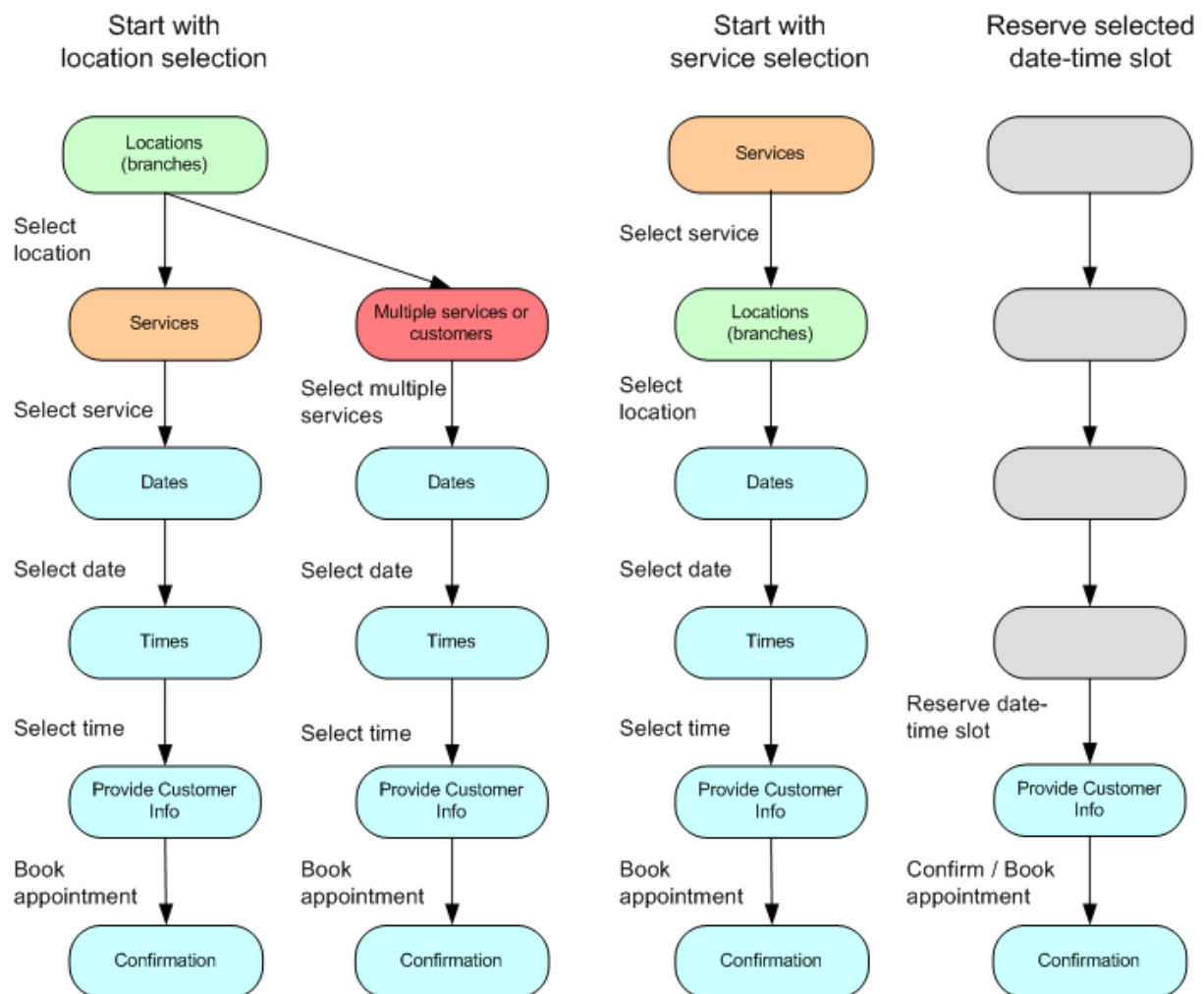
Calendar customer mapping specifics:

- The calendar customer field 'publicId' maps to the 'customField5' in Orchestra
- The calendar customer field 'email' maps to the 'customField4' in Orchestra

Supported Booking processes

The API supports 2 main booking process flows. The main difference between these is how you start the booking process, either with selecting a location or with selecting a service. After this the flow is identical.

Then there is an option to reserve a date-time slot and finally confirming it. The difference with the normal date time selection is that you can guarantee that the chosen date and time slot are still available when you finally book / confirm the appointment.



2. Calendar Public API

Communication protocol

RESTful

[http://en.wikipedia.org/wiki/Representational state transfer](http://en.wikipedia.org/wiki/Representational_state_transfer)

Transport

HTTP(S)

Message Data format

All data send in the JSON Data format

<http://www.json.org/>

Response Message layout

The JSON response messages will always consist of 3 elements; notifications, requested data and a meta element. See Example below.

The notifications element is not used in this version. The meta element gives you 'meta' info about the result of the call e.g. the amount of results (totalResults)

All data-models expose by default a public-ID (publicId) which is a 64-character string. These public-Id's are used in several API methods to identify the selected object.

```
{
  "notifications": [],
  "branchList": [
    {
      "addressState": "Zuid-Holland",
      "phone": "071-4023344",
      "addressCity": "Katwijk",
      "timeZone": "Europe/Amsterdam",
      "addressLine2": "Lageweg 35",
      "addressLine1": null,
      "updated": 1396863304840,
      "created": 1396863304750,
      "email": "info@qmatic.com",
      "name": "Qmatic Holland",
      "publicId": "1efce3710200531cdd0e3bcdd34aa70e3a174d5ab1c91.....",
      "longitude": null,
      "branchPrefix": null,
      "latitude": null,
      "addressCountry": "Holland",
      "custom": null,
      "addressZip": "2220 AG"
    }
  ],
  "meta": {
    "start": "",
    "end": "",
    "totalResults": 1,
    "offset": null,
    "limit": null,
    "fields": "",
    "arguments": {}
  }
}
```

Orchestra Calendar Public Appointment API

Error codes / messages

In case of an error, the response Header will contain an 'ERROR_CODE' and an 'ERROR_MESSAGE' field. The response body will contain the same error message in JSON format.

```
{  
  "msg": "Branch not found"  
}
```

Examples of used error codes and messages

Error_code	Error_msg
140	No customer found matching the specified publicId
142	Appointment not found
410	Branch not found
420	Service not found
440	No resource is available for the selected date and time
460	Specified appointment is not in RESERVED state

3. Available REST API methods

Get list of available branches

Retrieve a list of available branches for which appointments can be booked

Request URL	[Server]:[port]/calendar-backend/public/api/v1/branches		
Request Method	GET		
Request Params	-		
Request Headers	Content-Type	application/json	
	Accept	application/json	
Response Codes	200	Ok	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	branchList	JSON Array	List of branch Objects
	notifications	JSON Array	Not in use
	meta	JSON Object	Request meta information Object
Response body data example	<pre>{ "notifications": [], "branchList": [{ "addressState": "Zuid Holland", "phone": "071-4023344", "addressCity": "Katwijk", "fullTimeZone": "Europe/Amsterdam", "timeZone": "Europe/Amsterdam", "addressLine2": "Lageweg 35", "addressLine1": null, "updated": 1475589234069, "created": 1475589234008, "email": null, "name": "Branch 1", "publicId": "f364d92b7fa07a48c4ecc862de30c47.....", "longitude": 4.436127618214371, "branchPrefix": null, "latitude": 52.202012993593705, "addressCountry": "Netherlands", "custom": null, "addressZip": "2222 AG" }], "meta": { "start": "", "end": "", "totalResults": 1, "offset": null, "limit": null, "fields": "", "arguments": {} } }</pre>		

The publicId field of the selected branch needs to be used in other request to retrieve related information.

Orchestra Calendar Public Appointment API

Get list of bookable services for a selected branch

Retrieve a list of available services for which appointments can be booked at the selected branch. When a non-existing branch-publicId is used, an empty serviceList will be returned.

Request URL	[Server]:[port]/calendar-backend/public/api/v1/branches/{branch-publicId}/services		
Request Method	GET		
Request Params	Branch-publicId	The publicId of the selected branch	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Response Codes	200	Ok	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	serviceList	JSON Array	List of service Objects
	notifications	JSON Array	Not in use
	meta	JSON Object	Request meta information Object
Response body data example	<pre>{ "serviceList": [{ "additionalCustomerDuration": 5, "duration": 10, "updated": 1478589864948, "created": 1478589859992, "name": "Service 01", "publicId": "54b3482204c11bedc8b0a7acbffa308.....", "active": true, "publicEnabled": true, "custom": null }, { "additionalCustomerDuration": 0, "duration": 5, "updated": 1475589228781, "created": 1475589228595, "name": "Service 02", "publicId": "1e0c3d34acb5a4ad0133b2927959e896d.....", "active": true, "publicEnabled": true, "custom": null }], "notifications": [], "meta": { "start": "", "end": "", "totalResults": 2, "offset": null, "limit": null, "fields": "", "arguments": {} } }</pre>		

The publicId field of the selected service(s) needs to be used in other request to retrieve related information.

Orchestra Calendar Public Appointment API

Get list of available services

Retrieve a list of available services for which appointments can be booked

Request URL	[Server]:[port]/calendar-backend/public/api/v1/services		
Request Method	GET		
Request Params	-		
Request Headers	Content-Type	application/json	
	Accept	application/json	
Response Codes	200	Ok	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	serviceList	JSON Array	List of service Objects
	notifications	JSON Array	Not in use
	meta	JSON Object	Request meta information Object
Response body data example	<pre>{ "serviceList": [{ "additionalCustomerDuration": 5, "duration": 10, "updated": 1478589864948, "created": 1478589859992, "name": "Service 01", "publicId": "54b3482204c11bedc8b0a7acbfffa308.....", "active": true, "publicEnabled": true, "custom": null }, { "additionalCustomerDuration": 0, "duration": 5, "updated": 1475589228781, "created": 1475589228595, "name": "Service 02", "publicId": "1e0c3d34acb5a4ad0133b2927959e896d.....", "active": true, "publicEnabled": true, "custom": null }], "notifications": [], "meta": { "start": "", "end": "", "totalResults": 2, "offset": null, "limit": null, "fields": "", "arguments": {} } }</pre>		

The publicId field of the selected service(s) needs to be used in other request to retrieve related information.

Orchestra Calendar Public Appointment API

Get list of available branches for a selected service

Retrieve a list of available branches at which appointments can be booked for the selected service. When a non-existing service-publicId is used, an empty branchList will be returned.

Request URL	[Server]:[port]/calendar-backend/public/api/v1/services/{service-publicId}/branches		
Request Method	GET		
Request Params	service-publicId	The publicId of the selected service	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Response Codes	200	Ok	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	branchList	JSON Array	List of branch Objects
	notifications	JSON Array	Not in use
	meta	JSON Object	Request meta information Object
Response body data example	<pre>{ "notifications": [], "branchList": [{ "addressState": "Zuid Holland", "phone": "071-4023344", "addressCity": "Katwijk", "fullTimeZone": "Europe/Amsterdam", "timeZone": "Europe/Amsterdam", "addressLine2": "Lageweg 35", "addressLine1": null, "updated": 1475589234069, "created": 1475589234008, "email": null, "name": "Branch 1", "publicId": "f364d92b7fa07a48c4ecc862de30c47.....", "longitude": 4.436127618214371, "branchPrefix": null, "latitude": 52.202012993593705, "addressCountry": "Netherlands", "custom": null, "addressZip": "2222 AG" }, { "addressState": "Zuid Holland", "phone": "010-1122334", "addressCity": "Katwijk", "fullTimeZone": "Europe/Amsterdam", "timeZone": "Europe/Amsterdam", "addressLine2": "Straat 1", "addressLine1": null, "updated": 1475589234069, "created": 1475589234008, "email": null, "name": "Branch 2", "publicId": "f7d0e4e45558de30c4772e4f1cc862.....", "longitude": 4.436127618214371, "branchPrefix": null, "latitude": 52.202012993593705, "addressCountry": "Netherlands", "custom": null, "addressZip": "2222 ZZ" }], "meta": { "start": "", "end": "", "totalResults": 2, "offset": null, "limit": null, "fields": "" } }</pre>		

Orchestra Calendar Public Appointment API

	<pre>"arguments": {} }</pre>
--	----------------------------------

The publicId field of the selected branch shall be used in other request to retrieve related information.

Orchestra Calendar Public Appointment API

Get list of available dates for a selected branch and service

Retrieve a list of dates on which appointments can be booked for the selected service at the selected branch. When a non-existing branch-publicId or service-publicId is used, an empty date list will be returned.

Only the dates will be returned for which there still are bookable time slots available.

Request URL	[Server]:[port]/calendar-backend/public/api/v1/branches/{branch-publicId}/services/{service-publicId}/dates		
Request Method	GET		
Request Params	branch-publicId	The publicId of the selected branch	
	service-publicId	The publicId of the selected service	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Response Codes	200	Ok	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	dates	JSON Array	List of available dates
	notifications	JSON Array	Not in use
	meta	JSON Object	Request meta information Object
Response body data example	{ "notifications": [], "dates": ["2016-11-08T00:00:00", "2016-11-09T00:00:00", "2016-11-10T00:00:00", "2016-11-11T00:00:00", "2016-11-14T00:00:00", "2016-11-15T00:00:00", "2016-11-16T00:00:00", "2016-11-17T00:00:00", "2016-11-18T00:00:00", "2016-11-21T00:00:00", "2016-11-22T00:00:00", "2016-11-23T00:00:00", "2016-11-24T00:00:00", "2016-11-25T00:00:00", "2016-11-28T00:00:00", "2016-11-29T00:00:00", "2016-11-30T00:00:00", "2016-12-01T00:00:00", "2016-12-02T00:00:00", "2016-12-05T00:00:00", "2016-12-06T00:00:00"], "meta": { "start": "", "end": "", "totalResults": 21, "offset": null, "limit": null, "fields": "", "arguments": {} } }		

Get list of available dates for a selected branch and service for multiple customers

Retrieve a list of dates on which appointments can be booked for the selected service at the selected branch for multiple customers. When a non-existing branch-publicId or service-publicId is used, an empty date list will be returned.

Only the dates will be returned for which there still are bookable time slots available for the given number of customers.

Request URL	[Server]:[port]/calendar-backend/public/api/v1/branches/{branch-publicId}/services/{service-publicId}/dates?numberOfCustomers={ number of customers }		
Request Method	GET		
Request Params	branch-publicId	The publicId of the selected branch	
	service-publicId	The publicId of the selected service	
Query Params	numberOfCustomers	The amount of additional customers	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Response Codes	200	Ok	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	dates	JSON Array	List of available dates
	notifications	JSON Array	Not in use
	meta	JSON Object	Request meta information Object
Response body data example	{ "notifications": [], "dates": ["2016-11-08T00:00:00", "2016-11-09T00:00:00", "2016-11-10T00:00:00", "2016-11-11T00:00:00", "2016-11-14T00:00:00", "2016-11-15T00:00:00", "2016-11-16T00:00:00", "2016-11-17T00:00:00", "2016-11-18T00:00:00", "2016-11-21T00:00:00", "2016-11-22T00:00:00", "2016-11-23T00:00:00", "2016-11-24T00:00:00", "2016-11-25T00:00:00", "2016-11-28T00:00:00", "2016-11-29T00:00:00", "2016-11-30T00:00:00"], "meta": { "start": "", "end": "", "totalResults": 16, "offset": null, "limit": null, "fields": "", "arguments": { "numberOfCustomers": "[5]" } } }		

- Keep in mind that the customer-information needs to be unique during the actual booking of the appointment.

Orchestra Calendar Public Appointment API

Get list of available times for a selected branch, service and date

Retrieve a list of available services for which appointments can be booked at the selected branch. When a non-existing branch-publicId, service-publicId or date is used, an empty date list will be returned.

Only dates will be returned for which there are still bookable time slots available.

Note: You need to strip the time part from the selected date when using it as request parameter. E.g. "2014-04-09T00:00:00" becomes "2014-04-09".

Request URL	[Server]:[port]/calendar-backend/public/api/v1/branches/{branch-publicId}/services/{service-publicId}/dates/{date}/times		
Request Method	GET		
Request Params	branch-publicId	The publicId of the selected branch	
	service-publicId	The publicId of the selected service	
	date	Date without the time part, “2016-11-21T00:00:00” becomes “2016-11-21”	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Response Codes	200	Ok	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	times	JSON Array	List of available times
	notifications	JSON Array	Not in use
	meta	JSON Object	Request meta information Object
Response body data example	{ "notifications": [], "times": ["09:00", "09:05", "09:10", "09:15", "09:20", "09:25", "09:30", "09:35", "09:40", "09:45", "09:50", "09:55", "10:10", "10:15", "10:20", "10:25", "10:30", "10:35"], "meta": { "start": "", "end": "", "totalResults": 18, "offset": null, "limit": null, "fields": "", "arguments": {} } }		

Get list of available times for a selected branch, service and date for multiple customers

Retrieve a list of available services for which appointments can be booked at the selected branch for multiple customers. When a non-existing branch-publicId, service-publicId or date is used, an empty date list will be returned.

Only dates will be returned for which there are still bookable time slots available for the given number of customers.

Note: You need to strip the time part from the selected date when using it as request parameter. E.g. "2014-04-09T00:00:00" becomes "2014-04-09".

Request URL	[Server]:[port]/calendar-backend/public/api/v1/branches/{branch-publicId}/services/{service-publicId}/dates/{date}/times?numberOfCustomers={number of customers}		
Request Method	GET		
Request Params	branch-publicId	The publicId of the selected branch	
	service-publicId	The publicId of the selected service	
	date	Date without the time part, “2016-11-21T00:00:00” becomes “2016-11-21”	
Query Params	numberOfCustomers	The amount of additional customers	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Response Codes	200	Ok	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	times	JSON Array	List of available times
	notifications	JSON Array	Not in use
	meta	JSON Object	Request meta information Object
Response body data example	{ "notifications": [], "times": ["09:00", "09:05", "09:10", "09:15", "09:20", "09:25", "09:30", "09:35", "09:40", "09:45", "09:50", "09:55", "10:10", "10:15", "10:20", "10:25"], "meta": { "start": "", "end": "", "totalResults": 16, "offset": null, "limit": null, "fields": "", "arguments": { "numberOfCustomers": "[5]" } } }		

- Keep in mind that the customer-information needs to be unique during the actual booking of the appointment.

Orchestra Calendar Public Appointment API

Book an appointment for a selected branch, service, date and time

None of the customer fields are mandatory when booking an appointment. But by not providing any information it's not possible to identify a customer. We therefore advice to provide at least the firstName, lastName, email and/or phone number fields. Also, if available, a unique customer identification/ account number (externalId field) which is already used within the organization.

This way you can identify a customer and communicate back by mail or text-message(phone). e.g. sending an appointment reminder, reschedule of an appointment.

The benefit of providing/using a unique identifier as mail or account number is that only one customer record will be created instead of a new one for each appointment the customer books.

Note: You need to strip the time part from the selected date when using it as request parameter. E.g. "2016-11-21T00:00:00" becomes "2016-11-21".

Request URL	[Server]:[port]/calendar-backend/public/api/v1/branches/{branch-publicId}/services/{service-publicId}/dates/{date}/times/{time}/book		
Request Method	POST		
Request Params	branch-publicId	The publicId of the selected branch	
	service-publicId	The publicId of the selected service	
	date	Date without the time part, “2016-11-21T00:00:00” becomes “2016-11-21”	
	time	The selected time	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Request body data Format	JSON Object		
Request body data fields	title	JSON String	Title of the appointment
	notes	JSON String	Notes regarding the appointment
	customer	JSON Object	
Request body data example	{ "title" : "Online booking", "customer" : { "firstName" : "Voornaam", "lastName" : "Achternaam", "email" : "test@test.com", "phone" : "06-11223344", "addressLine1" : "Straatnaam 1", "addressCity" : "Plaatsnaam", "addressState" : "Zuid Holland", "addressZip" : "1111AB", "addressCountry" : "Nederland", "identificationNumber" : "1234567890", "dateOfBirth" : "1900-01-31" }, "notes" : "Geboekt via internet" }		
Response Codes	200	Ok, appointment booked	
	400	Bad request, see header error code and/or message	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	services	JSON Array	List of services related to this appointment
	resource	JSON Object	Resource, (agenda) in which the appointment has been booked
	customers	JSON Array	List of customers related to this appointment
	title	JSON String	Appointment title
	start	JSON String	Appointment Start date-time in UTC / ISO 8601 format

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	created	JSON Date	Creation date/time
	updated	JSON Date	Creation date/time
	publicId	JSON String	Unique 64-character appointment ID
	branch	JSON Object	Branch in for which the appointment has been booked
	notes	JSON String	Notes for this Appointment
	end	JSON String	Appointment End date-time in UTC / ISO 8601 format
Response body data example	<pre>{ "services": [{ "additionalCustomerDuration": 0, "duration": 5, "updated": 1475589228781, "created": 1475589228595, "name": "Product 1", "publicId": "1e0c3d34acb5a4ad0133b2927959e896d844b.....", "active": true, "publicEnabled": true, "custom": null }], "allDay": false, "status": 20, "resource": { "name": "Resource 1", }, "customers": [{ "dateOfBirth": -2206400400000, "addressState": "Zuid Holland", "lastName": "Achternaam", "phone": "06-11223344", "addressCity": "Plaatsnaam", "externalId": null, "addressLine2": null, "addressLine1": "Straatnaam 1", "updated": null, "created": 1478618058772, "email": "test@test.com", "name": "Voornaam Achternaam", "publicId": "e2f2083f3222562e3f2b5e62a23fb.....", "firstName": "Voornaam", "addressCountry": "Nederland", "custom": null, "identificationNumber": "1234567890", "addressZip": "1111AB" }], "blocking": false, "title": "Online booking", "start": "2016-11-10T11:30:00.000+0000", "created": 1478618059555, "updated": 1478618059623, "publicId": "fa67a4692bb4c3fab9a0fbcc5511ff346ba4.....", "branch": { "addressState": null, "phone": null, "addressCity": "City", "fullTimeZone": "Europe/Amsterdam", "timeZone": "Europe/Amsterdam", "addressLine2": "Street 1", "addressLine1": "Branch 1", "updated": 1475589234069, "created": 1475589234008, "email": null, "name": "Branch 1", "publicId": "f364d92b7fa07a48c4ecc862de30c475.....", "longitude": null, </pre>		

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	<pre>"branchPrefix": null, "latitude": null, "addressCountry": "Netherlands", "custom": null, "addressZip": "1111 AA" }, "notes": "Geboekt via internet", "end": "2016-11-10T11:35:00.000+0000", "custom": null }</pre>
--	---

- The publicId of the customer can be used to retrieve the appointments for that customer
- The publicId of the appointment can be used to retrieve information about this appointment.
- Note!! The appointment start and end time fields are given back in Universal Time. To get the local time you need to apply the timeZone of the branch.

Orchestra Calendar Public Appointment API

Book an appointment for a selected branch, service, date and time for multiple customers

None of the customer fields are mandatory when booking an appointment. But by not providing any information it's not possible to identify a customer. We therefore advice to provide at least the firstName, lastName, email and/or phone number fields. Also, if available, a unique customer identification/ account number (externalId field) which is already used within the organization.

This way you can identify a customer and communicate back by mail or text-message(phone). e.g. sending an appointment reminder, reschedule of an appointment.

The benefit of providing/using a unique identifier as mail or account number is that only one customer record will be created instead of a new one for each appointment the customer books.

Additionally, you can set a customSlotLength. With it you can book an appointment while setting the appointment length to the specified amount of time.

Note: You need to strip the time part from the selected date when using it as request parameter. eg. "2016-11-21T00:00:00" becomes "2016-11-21"

Request URL	[Server]:[port]/calendar-backend/public/api/v2/branches/{branch-publicId}/services/{service-publicId}/dates/{date}/times/{time}/book;customSlotLength={ amount of time in minutes }		
Request Method	POST		
Request Params	branch-publicId	The publicId of the selected branch	
	service-publicId	The publicId of the selected service	
	date	Date without the time part, “2016-11-21T00:00:00” becomes “2016-11-21”	
	time	The selected time	
Query Params	customSlotLength	The amount of time in minutes, e.g. 30 or 120	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Request body data Format	JSON Object		
Request body data fields	title	JSON String	Title of the appointment
	notes	JSON String	Notes regarding the appointment
	customers	JSON Object	
Request body data example	{ "customers" : [{ "firstName" : "Voornaam", "lastName" : "Achternaam", "email" : "test@test.com", "phone" : "0611223344", "addressLine1" : "Straatnaam 1", "addressCity" : "Plaatsnaam", "addressState" : "Zuid Holland", "addressZip" : "1111AA", "addressCountry" : "Nederland", "identificationNumber" : "1234567890", "dateOfBirth" : "1900-01-31" }], { "firstName" : "Firstname", "lastName" : "Lastname", "email" : "test@example.com", "phone" : "0714023344", "addressLine1" : "Streetname 1", "addressCity" : "City", "addressState" : "State", "addressZip" : "1111AB", "addressCountry" : "Nederland", } }		

Orchestra Calendar Public Appointment API

	<pre>"identificationNumber" : "9876543210", "dateOfBirth" : "1950-12-31" }}, "notes" : "Geboekt via internet" }</pre>		
Response Codes	200	Ok, appointment booked	
	400	Bad request, see header error code and/or message	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	services	JSON Array	List of services related to this appointment
	resource	JSON Object	Resource, (agenda) in which the appointment has been booked
	customers	JSON Array	List of customers related to this appointment
	title	JSON String	Appointment title
	start	JSON String	Appointment Start date-time in UTC / ISO 8601 format
	created	JSON Date	Creation date/time
	updated	JSON Date	Creation date/time
	publicId	JSON String	Unique 64-character appointment ID
	branch	JSON Object	Branch in for which the appointment has been booked
	notes	JSON String	Notes for this Appointment
	end	JSON String	Appointment End date-time in UTC / ISO 8601 format
Response body data example	<pre>{ "services": [{ "additionalCustomerDuration": 0, "duration": 5, "updated": 1475589228781, "created": 1475589228595, "name": "Product 1", "publicId": "1e0c3d34acb5a4ad0133b2927959e896d8.....", "active": true, "publicEnabled": true, "custom": null }], "allDay": false, "status": 20, "resource": { "name": "Resource 1", }, "customers": [{ "dateOfBirth": -2206357200000, "addressState": "Zuid Holland", "lastName": "Achternaam", "phone": "0611223344", "addressCity": "Plaatsnaam", "externalId": null, "addressLine2": null, "addressLine1": "Straatnaam 1", "updated": null, "created": 1478627252454, "email": "test@test.com", "name": "Voornaam Achternaam", "publicId": "b7de5fab07f0a9dc29f67ac9f6e03.....", "firstName": "Voornaam", "addressCountry": "Nederland", "custom": null, "identificationNumber": "1234567890", "addressZip": "1111AA" }], { "dateOfBirth": -2206297200000, "addressState": "Zuid Holland"</pre>		

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	<pre> "lastName": "Lastname", "phone": "0714023344", "addressCity": "Plaatsnaam", "externalId": null, "addressLine2": null, "addressLine1": "Streetname 1", "updated": null, "created": 1478627253210, "email": "test@example.com", "name": "Firstname Lastname", "publicId": "1cbfa625aecc00b3bad9459852fb4.....", "firstName": "Firstname", "addressCountry": "Nederland", "custom": null, "identificationNumber": "9876543210", "addressZip": "1111AB" }], "blocking": false, "title": null, "start": "2016-11-17T14:00:00.000+0000", "created": 1478627253458, "updated": 1478627253498, "publicId": "5f72be723dac57b926ab228898.....", "branch": { "addressState": null, "phone": null, "addressCity": "City", "fullTimeZone": "Europe/Amsterdam", "timeZone": "Europe/Amsterdam", "addressLine2": "Street 1", "addressLine1": "Branch 1", "updated": 1475589234069, "created": 1475589234008, "email": null, "name": "Branch 1", "publicId": "f364d92b7fa07a48c4ecc862.....", "longitude": null, "branchPrefix": null, "latitude": null, "addressCountry": "Netherlands", "custom": null, "addressZip": "1111 AA" }, "notes": "Geboekt via internet", "end": "2016-11-17T14:05:00.000+0000", "custom": null } </pre>
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- The endpoint for booking multiple customers is changed from `.../public/api/v1/branches/...` to `.../public/api/v2/branches/...`
- The request body data field at the v2 endpoint is `customers` instead of `customer` at the v1 endpoint.
- The `publicId` of the customer can be used to retrieve the appointments for that customer
- The `publicId` of the appointment can be used to retrieve information about this appointment.
- Note!! The appointment start and end time fields are given back in Universal Time. To get the local time you need to apply the `timeZone` of the branch.
- The backend uses both the `Duration` and the `additionalCustomerDuration` (set on the service) to determine the duration of the appointment.
For example, a service with `Duration` of 10 minutes and `additionalCustomerDuration` of 5 minutes will result in an appointment duration of 15 minutes for 2 customers.
For example, a service with `Duration` of 30 minutes and `additionalCustomerDuration` of 15 minutes will result in an appointment duration of 90 minutes for 5 customers.

Orchestra Calendar Public Appointment API

Reserve a selected date/time slot

Instead of booking an appointment with the customer information, it's also possible to reserve a slot and afterwards confirm the reservation and supply the customer information.

A confirm of this appointment must be sent within 10 minutes of the call to reserve, otherwise the reservation is discarded and the timeslot for the selected resource becomes available again.

Request URL	[Server]:[port]/calendar-backend/public/api/v1/branches/{branch-publicId}/services/{service-publicId}/dates/{date}/times/{time}/reserve		
Request Method	POST		
Request Params	branch-publicId	The publicId of the selected branch	
	service-publicId	The publicId of the selected service	
	date	Date without the time part, “2016-11-21T00:00:00” becomes “2016-11-21”	
	time	The selected time	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Request body data example	-		
Response Codes	200	Ok, appointment booked	
	400	Bad request, see header error code and/or message	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	services	JSON Array	List of services related to this appointment
	resource	JSON Object	Resource, (agenda) in which the appointment has been booked
	customers	JSON Array	List of customers related to this appointment
	title	JSON String	Appointment title
	start	JSON String	Appointment Start date-time in UTC / ISO 8601 format
	created	JSON Date	Creation date/time
	updated	JSON Date	Creation date/time
	publicId	JSON String	Unique 64-character appointment ID
	branch	JSON Object	Branch in for which the appointment has been booked
	notes	JSON String	Notes for this Appointment
end	JSON String	Appointment End date-time in UTC / ISO 8601 format	
Response body data example	{ "services": [{ "additionalCustomerDuration": 0, "duration": 5, "updated": 1475589228781, "created": 1475589228595, "name": "Product 1", "publicId": "1e0c3d34acb5a4ad0133b2927959e89.....", "active": true, "publicEnabled": true, "custom": null }], "allDay": false, "status": 10, "resource": { "name": "Resource 1", }, "customers": [], "blocking": false, "title": "Pending reservation", "start": "2016-11-10T12:30:00.000+0000", "created": 1478618716117, "updated": 1478618716144, "notes": "Appointment for Product 1", "end": "2016-11-10T13:30:00.000+0000", "branch": "Product 1", "publicId": "1e0c3d34acb5a4ad0133b2927959e89.....", "active": true, "publicEnabled": true, "additionalCustomerDuration": 0, "duration": 5, "created": 1475589228781, "updated": 1475589228595, "name": "Product 1", "publicId": "1e0c3d34acb5a4ad0133b2927959e89.....", "active": true, "publicEnabled": true, "custom": null }		

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	<pre>"publicId": "d50517a0ae88cdbc495f7a32e01.....", "branch": { "addressState": null, "phone": null, "addressCity": "City", "fullTimeZone": "Europe/Amsterdam", "timeZone": "Europe/Amsterdam", "addressLine2": "Street 1", "addressLine1": "Branch 1", "updated": 1475589234069, "created": 1475589234008, "email": null, "name": "Branch 1", "publicId": "f364d92b7fa07a48c4ecc862de30c.....", "longitude": null, "branchPrefix": null, "latitude": null, "addressCountry": "Netherlands", "custom": null, "addressZip": "1111 AA" }, "notes": null, "end": "2016-11-10T12:35:00.000+0000", "custom": null }</pre>
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- The publicId of the appointment should be used to confirm and finally book the appointment
- No data (request body) is needed when reserving a slot.
- Note!! The appointment start and end time fields are given back in Universal Time. To get the local time you need to apply the timeZone of the branch.

Confirm a selected date/time slot to book an appointment

Confirm a reserved time slot.

Request URL	[Server]:[port]/calendar-backend/public/api/v1/branches/appointments/{ appointment-publicId }/confirm		
Request Method	POST		
Request Params	appointment-publicId	The publicId of the appointment	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Request body data Format	JSON Object		
Request body data fields	title	JSON String	Title of the appointment
	notes	JSON String	Notes regarding the appointment
	customer	JSON Object	
Request body data example	{ "title" : "Online booking", "customer" : { "firstName" : "Voornaam", "lastName" : "Achternaam", "email" : "test@test.com", "phone" : "06-11223344", "addressLine1" : "Straatnaam 1", "addressCity" : "Plaatsnaam", "addressState" : "Zuid Holland", "addressZip" : "1111AB", "addressCountry" : "Nederland", "identificationNumber" : "1234567890", "dateOfBirth" : "1900-01-31" }, "notes" : "Geboekt via internet" }		
Response Codes	200	Ok, appointment booked	
	400	Bad request, see header error code and/or message	
	404	Appointment not found	
	500	Error, see header error code and/or message	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	services	JSON Array	List of services related to this appointment
	resource	JSON Object	Resource, (agenda) in which the appointment has been booked
	customers	JSON Array	List of customers related to this appointment
	title	JSON String	Appointment title
	start	JSON String	Appointment Start date-time in UTC / ISO 8601 format
	created	JSON Date	Creation date/time
	updated	JSON Date	Creation date/time
	publicId	JSON String	Unique 64-character appointment ID
	branch	JSON Object	Branch in for which the appointment has been booked
	notes	JSON String	Notes for this Appointment
	end	JSON String	Appointment End date-time in UTC / ISO 8601 format
Response body data example	{ "services": [{ "additionalCustomerDuration": 0, "duration": 5, "updated": 1475589228781, "created": 1475589228595, "name": "Product 1", "publicId": "1e0c3d34acb5a4ad0133b2927959e896.....", "active": true, "publicEnabled": true, },], }		

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	<pre> "custom": null }], "allDay": false, "status": 20, "resource": { "name": "Resource 1", }, "customers": [{ "dateOfBirth": -2206400400000, "addressState": "Zuid Holland", "lastName": "Achternaam", "phone": "06-11223344", "addressCity": "Plaatsnaam", "externalId": null, "addressLine2": null, "addressLine1": "Straatnaam 1", "updated": null, "created": 1478619026558, "email": "test@test.com", "name": "Voornaam Achternaam", "publicId": "f9c6a5fa1b978b4181accd7a6434e4b9.....", "firstName": "Voornaam", "addressCountry": "Nederland", "custom": null, "identificationNumber": "1234567890", "addressZip": "1111AB" }], "blocking": false, "title": "Online booking", "start": "2016-11-10T12:30:00.000+0000", "created": 1478618716117, "updated": 1478619026609, "publicId": "d50517a0ae88cdbc495f7a32e011cb609e97.....", "branch": { "addressState": null, "phone": null, "addressCity": "City", "fullTimeZone": "Europe/Amsterdam", "timeZone": "Europe/Amsterdam", "addressLine2": "Street 1", "addressLine1": "Branch 1", "updated": 1475589234069, "created": 1475589234008, "email": null, "name": "Branch 1", "publicId": "f364d92b7fa07a48c4ecc862de30c4.....", "longitude": null, "branchPrefix": null, "latitude": null, "addressCountry": "Netherlands", "custom": null, "addressZip": "1111 AA" }, "notes": "Geboekt via internet", "end": "2016-11-10T12:35:00.000+0000", "custom": null } </pre>
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- The publicId of the customer can be used to retrieve the appointments for that customer
- The publicId of the appointment can be used to retrieve information about this appointment.
- Note!! The appointment start and end time fields are given back in Universal Time. To get the local time you need to apply the timeZone of the branch.

Orchestra Calendar Public Appointment API

Get customer information

Retrieve the Customer information identified by the supplied publicId.

Request URL	[Server]:[port]/calendar-backend/public/api/v1/customers/{customer-publicId}		
Request Method	GET		
Request Params	customer-publicId	The publicId of the customer	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Response Codes	200	Ok	
	404	Not found	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	customer	JSON Object	Customer information
	Notifications	JSON Array	Not in use
	meta	JSON Object	Request meta information Object
Response body data example	<pre>{ "notifications": [], "customer": { "dateOfBirth": -2206357200000, "addressState": "Zuid Holland", "lastName": "Achternaam", "phone": "06-11223344", "addressCity": "Plaatsnaam", "externalId": null, "addressLine2": null, "addressLine1": "Straatnaam 1", "updated": null, "created": 1478619026558, "email": "test@test.com", "name": "Voornaam Achternaam", "publicId": "f9c6a5fa1b978b4181accd7a6434e4.....", "firstName": "Voornaam", "addressCountry": "Nederland", "custom": null, "identificationNumber": "1234567890", "addressZip": "1111AB" }, }, "meta": { "start": "", "end": "", "totalResults": 1, "offset": null, "limit": null, "fields": "", "arguments": {} } }</pre>		

Orchestra Calendar Public Appointment API

Get the appointments for a customer

Returns all appointments present in the database for the Customer identified by the supplied publicId.

Request URL	[Server]:[port]/calendar-backend/public/api/v1/customers/{customer-publicId}/appointments		
Request Method	GET		
Request Params	customer-publicId	The publicId of the customer	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Response Codes	200	Ok	
	404	Not found	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	appointmentList	JSON Array	List of appointments for this customer
	notifications	JSON Array	Not in use
	meta	JSON Object	Request meta information Object
Response body data example	{ "notifications": [], "meta": { "start": "", "end": "", "totalResults": 1, "offset": null, "limit": null, "fields": "", "arguments": {} }, "appointmentList": [{ "services": [{ "additionalCustomerDuration": 0, "duration": 5, "updated": 1475589228781, "created": 1475589228595, "name": "Product 1", "publicId": "1e0c3d34acb5a4ad0133b2927959e.....", "active": true, "publicEnabled": true, "custom": null }], }, "allDay": false, "status": 20, "resource": { "name": "Resource 1", }, }, "customers": [{ "dateOfBirth": -2206357200000, "addressState": "Zuid Holland", "lastName": "Achternaam", "phone": "06-11223344", "addressCity": "Plaatsnaam", "externalId": null, "addressLine2": null, "addressLine1": "Straatnaam 1", "updated": null, "created": 1478619026558, "email": "test@test.com", "name": "Voornaam Achternaam", "publicId": "f9c6a5fa1b978b4181accd7a6434e4.....", "firstName": "Voornaam", "addressCountry": "Nederland", "custom": null, }], }] }		

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	<pre>"identificationNumber": "1234567890", "addressZip": "1111AB" }], "blocking": false, "title": "Online booking", "start": "2016-11-10T12:30:00.000+0000", "created": 1478618716117, "updated": 1478619027200, "publicId": "d50517a0ae88cdb495f7a32e011c.....", "branch": { "addressState": null, "phone": null, "addressCity": "City", "fullTimeZone": "Europe/Amsterdam", "timeZone": "Europe/Amsterdam", "addressLine2": "Street 1", "addressLine1": "Branch 1", "updated": 1475589234069, "created": 1475589234008, "email": null, "name": "Branch 1", "publicId": "f364d92b7fa07a48c4ecc862de30c.....", "longitude": null, "branchPrefix": null, "latitude": null, "addressCountry": "Netherlands", "custom": null, "addressZip": "1111 AA" }, "notes": "Geboekt via internet", "end": "2016-11-10T12:35:00.000+0000", "custom": null }]</pre>
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Orchestra Calendar Public Appointment API

Get appointment information

Request URL	[Server]:[port]/calendar-backend/public/api/v1/appointments/{appointment-publicId}		
Request Method	GET		
Request Params	appointment-publicId	The publicId of the appointment	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Response Codes	200	Ok	
	404	Not found	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	appointment	JSON Object	The appointment
	notifications	JSON Array	Not in use
	meta	JSON Object	Request meta information Object
Response body data example	{ "notifications": [], "meta": { "start": "", "end": "", "totalResults": 1, "offset": null, "limit": null, "fields": "", "arguments": {} }, "appointment": { "services": [{ "additionalCustomerDuration": 0, "duration": 5, "updated": 1475589228781, "created": 1475589228595, "name": "Product 1", "publicId": "1e0c3d34acb5a4ad0133b2927959e8.....", "active": true, "publicEnabled": true, "custom": null }], "allDay": false, "status": 20, "resource": { "name": "Resource 1", }, "customers": [{ "dateOfBirth": -2206357200000, "addressState": "Zuid Holland", "lastName": "Achternaam", "phone": "06-11223344", "addressCity": "Plaatsnaam", "externalId": null, "addressLine2": null, "addressLine1": "Straatnaam 1", "updated": null, "created": 1478619026558, "email": "test@test.com", "name": "Voornaam Achternaam", "publicId": "f9c6a5fa1b978b4181accd7a6434e4b9.....", "firstName": "Voornaam", "addressCountry": "Nederland", "custom": null, "identificationNumber": "1234567890", "addressZip": "1111AB" }] } }		

Orchestra Calendar Public Appointment API

	<pre>], "blocking": false, "title": "Online booking", "start": "2016-11-10T12:30:00.000+0000", "created": 1478618716117, "updated": 1478619027200, "publicId": "d50517a0ae88cdbc495f7a32e011cb.....", "branch": { "addressState": null, "phone": null, "addressCity": "City", "fullTimeZone": "Europe/Amsterdam", "timeZone": "Europe/Amsterdam", "addressLine2": "Street 1", "addressLine1": "Branch 1", "updated": 1475589234069, "created": 1475589234008, "email": null, "name": "Branch 1", "publicId": "f364d92b7fa07a48c4ecc862de30.....", "longitude": null, "branchPrefix": null, "latitude": null, "addressCountry": "Netherlands", "custom": null, "addressZip": "1111 AA" }, "notes": "Geboekt via internet", "end": "2016-11-10T12:35:00.000+0000", "custom": null } }</pre>
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Get the appointments for a customer through the externalId field

Returns all appointments present in the database for the Customer identified by the supplied publicId.

Request URL	[Server]:[port]/calendar-backend/public/api/v1/customers/externalId/{externalId}/appointments		
Request Method	GET		
Request Params	externalId	The externalId of the customer	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Response Codes	200	Ok	
	404	Not found	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	appointmentList	JSON Array	List of appointments for this customer
	notifications	JSON Array	Not in use
	meta	JSON Object	Request meta information Object
Response body data example	{ "notifications": [], "meta": { "start": "", "end": "", "totalResults": 2, "offset": null, "limit": null, "fields": "", "arguments": {} }, "appointmentList": [{ "services": [{ "additionalCustomerDuration": 5, "duration": 10, "updated": 1481882378573, "created": 1475736594139, "name": "Geboorte aangifte", "publicId": "d232ee8950d170f734.....", "active": true, "publicEnabled": true, "custom": null }], "allDay": false, "status": 20, "resource": { "name": "Resource 1", "custom": null }, "customers": [{ "dateOfBirth": -2206357200000, "addressState": "Zuid Holland", "lastName": "Achternaam", "phone": "0612345678", "addressCity": "Plaatsnaam", "externalId": "1234567890", "addressLine2": "", "addressLine1": "Straatnaam 1", "updated": null, "created": -624863009425903200, "email": "test@test.com", "name": "Voornaam Achternaam", "publicId": "e2f2083f3222562e3f2b.....", "firstName": "Voornaam", "addressCountry": "Nederland", "addressZip": "1234AB", "addressStreet": "1234AB", "addressCity": "Plaatsnaam", "addressState": "Zuid Holland", "addressCountry": "Nederland", "dateOfBirth": -2206357200000, "lastName": "Achternaam", "firstName": "Voornaam", "name": "Voornaam Achternaam", "email": "test@test.com", "created": -624863009425903200, "updated": null, "active": true, "publicEnabled": true, "name": "Geboorte aangifte", "created": 1475736594139, "updated": 1481882378573, "duration": 10, "additionalCustomerDuration": 5, "services": [{ "custom": null, "publicEnabled": true, "active": true, "publicId": "d232ee8950d170f734.....", "name": "Geboorte aangifte", "created": 1475736594139, "updated": 1481882378573, "duration": 10, "additionalCustomerDuration": 5, "services": [{ "custom": null, "publicEnabled": true, "active": true, "publicId": "d232ee8950d170f734.....", "name": "Geboorte aangifte", "created": 1475736594139, "updated": 1481882378573, "duration": 10, "additionalCustomerDuration": 5, "services": [{ "custom": null, "publicEnabled": true, "active": true, "publicId": "d232ee8950d170f734.....", "name": "Geboorte aangifte", "created": 1475736594139, "updated": 1481882378573, "duration": 10, "additionalCustomerDuration": 5, "services": [{ "custom": null, "publicEnabled": true, "active": true, "publicId": "d232ee8950d170f734.....", "name": "Geboorte aangifte", "created": 1475736594139, "updated": 1481882378573, "duration": 10, "additionalCustomerDuration": 5, "services": [{ "custom": null, "publicEnabled": true, "active": true, "publicId": "d232ee8950d170f734.....", "name": "Geboorte aangifte", "created": 1475736594139, "updated": 1481882378573, "duration": 10, "additionalCustomerDuration": 5, "services": [{ "custom": null, "publicEnabled": true, "active": true, "publicId": "d232ee8950d170f734.....", "name": "Geboorte aangifte", "created": 1475736594139, "updated": 1481882378573, "duration": 10, "additionalCustomerDuration": 5, "services": [{ "custom": null, "publicEnabled": true, "active": true, "publicId": "d232ee8950d170f734.....", "name": "Geboorte aangifte", "created": 1475736594139, "updated": 1481882378573, "duration": 10, "additionalCustomerDuration": 5, "services": [{ "custom": null, "publicEnabled": true, "active": true, "publicId": "d232ee8950d170f734.....", "name": "Geboorte aangifte", "created": 1475736594139, "updated": 1481882378573, "duration": 10, "additionalCustomerDuration": 5, "services": [{ "custom": null, "publicEnabled": true, "active": true, "publicId": "d232ee8950d170f734.....", "name": "Geboorte aangifte", "created": 1475736594139, "updated": 1481882378573, "duration": 10, "additionalCustomerDuration": 5, "services": [{ "custom": null, "publicEnabled": true, "active": true, "publicId": "d232ee8950d170f734.....", "name": "Geboorte aangifte", "created": 1475736594139, "updated": 1481882378573, "duration": 10, "additionalCustomerDuration": 5, "services": [{ "custom": null, "publicEnabled": true, "active": true, "publicId": "d232ee8950d170f734.....", "name": "Geboorte aangifte", "created": 1475736594139, "updated": 1481882378573, "duration": 10, "additionalCustomerDuration": 5, "services": [{ "custom": null, "publicEnabled": true, "active": true, "publicId": "d232ee8950d170f734.....", "name": "Geboorte aangifte", "created": 1475736594139, "updated": 1481882378573, "duration": 10, "additionalCustomerDuration": 5, "services": [{ "custom": null, "publicEnabled": true, "active": true, "publicId": "d232ee8950d170f734.....", "name": "Geboorte aangifte", "created": 1475736594139, "updated": 1481882378573, "duration": 10, "additionalCustomerDuration": 5, "services": [{ "custom": null, "publicEnabled": true, "active": true, "publicId": "d232ee8950d170f734.....", "name": "Geboorte aangifte", "created": 1475736594139, "updated": 1481882378573, "duration": 10, "additionalCustomerDuration": 5, "services": [{ "custom": null, "publicEnabled": true, "active": true, "publicId": "d232ee8950d170f734.....", "name": "Geboorte aangifte", "created": 1475736594139, "updated": 1481882378573, 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Orchestra Calendar Public Appointment API

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Orchestra Calendar Public Appointment API

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Delete an existing appointment

Request URL	[Server]:[port]/calendar-backend/public/api/v1/appointments/{appointment-publicId}	
Request Method	DELETE	
Request Params	appointment-publicId	The publicId of the appointment
Request Headers	Content-Type	application/json
	Accept	application/json
Response Codes	200	Ok
	404	Not found

Reschedule an existing appointment

Request URL	[Server]:[port]/calendar-backend/public/api/v 1/appointments/{appointment-publicId }/reschedule/?start={ starttime }&end={ endtime }		
Request Method	PUT		
Request Params	appointment-publicId	The publicId of the appointment	
	start	New starting date and time of the appointment, yyyy-MM-ddTHH:mm:ss format implicitly in the timeZone of the Branch	
	end	New end date and time of the appointment, yyyy-MM-ddTHH:mm:ss format implicitly in the timeZone of the Branch.	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Request body data example	-		
Response Codes	200	Ok	
	400	Selected resource is unavailable at starttime - endtime	
	404	Not found	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	appointment	JSON Object	The appointment
	notifications	JSON Array	Not in use
	meta	JSON Object	Request meta information Object
Response body data example	{ "notifications": [], "meta": { "start": "[2016-11-10T09:00:00]", "end": "[2016-11-10T09:10:00]", "totalResults": 1, "offset": null, "limit": null, "fields": "", "arguments": {} }, "appointment": { "services": [{ "additionalCustomerDuration": 0, "duration": 5, "updated": 1475589228781, "created": 1475589228595, "name": "Product 1", "publicId": "1e0c3d34acb5a4ad0133b29279.....", "active": true, "publicEnabled": true, "custom": null }], "allDay": false, "status": 20, "resource": { "name": "Resource 1", }, "customers": [{ "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", 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"1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "addressLine2": "Adresregel 2", "addressLine1": "Adresregel 1", "updated": null, "dateOfBirth": 347108400000, "addressState": "Zuid-Holland", "lastName": "Achternaam", "phone": "0714023344", "addressCity": "Katwijk", "externalId": "1122334455", "		

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	<pre> "created": 1478623471335, "email": "Klant@example.com", "name": "Voornaam Achternaam", "publicid": "5caea829fc23fe65f23528735f2699375.....", "firstName": "Voornaam", "addressCountry": "Nederland", "custom": null, "identificationNumber": "1122334455", "addressZip": "1111 AA" }], "blocking": false, "title": "", "start": "2016-11-10T08:00:00.000+0000", "created": 1478623473430, "updated": 1478624645681, "publicid": "fd4a8900c811cd3bae810bc788b5fd580fb8.....", "branch": { "addressState": "Zuid Holland", "phone": "071-4023344", "addressCity": "Katwijk", "fullTimeZone": "Europe/Amsterdam", "timeZone": "Europe/Amsterdam", "addressLine2": "Lageweg 35", "addressLine1": null, "updated": 1475589234069, "created": 1475589234008, "email": null, "name": "Branch 1", "publicid": "f364d92b7fa07a48c4ecc862de30c47.....", "longitude": 4.436127618214371, "branchPrefix": null, "latitude": 52.202012993593705, "addressCountry": "Netherlands", "custom": null, "addressZip": "2222 AG" }, "notes": "", "end": "2016-11-10T08:10:00.000+0000", "custom": null } } </pre>
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- The publicid of the customer can be used to retrieve the appointments for that customer
- The publicid of the appointment can be used to retrieve information about this appointment.
- Note!! The appointment start and end time fields are given back in Universal Time. To get the local time you need to apply the timeZone of the branch.
- The appointment can only be re-booked in the same resource it currently exists in. If multiple resources are used in the resourcegroup you can work around this by deleting the appointment and creating a new appointment

Orchestra Calendar Public Appointment API

Get list of available dates for multiple services and customers

Retrieve a list of dates on which appointments can be booked for multiple services at the selected branch. When a non-existing branch-publicId or service-publicId is used, an empty date list will be returned. Multiple customers can be considered. Additionally, you can set a customSlotLength. With you can request dates where the specified amount of time is available.

Only the dates will be returned for which there still are bookable time slots available.

Request URL	[Server]:[port]/calendar-backend/public/api/v2/branches/{branch-publicId}/dates;servicePublicId={service-publicId};servicePublicId={service-publicId};numberOfCustomers={number of customers};customSlotLength={amount of time in minutes}		
Request Method	GET		
Request Params	branch-publicId	The publicId of the selected branch	
Query Params	servicePublicId	The publicId of the selected service	
	numberOfCustomers	The number of additional customers	
	customSlotLength	The amount of time in minutes, e.g. 30 or 120	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Response Codes	200	Ok	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	dates	JSON Array	List of available dates
	notifications	JSON Array	Not in use
	meta	JSON Object	Request meta information Object
Response body data example	{ "notifications": [], "dates": ["2016-11-09T00:00:00", "2016-11-10T00:00:00", "2016-11-11T00:00:00", "2016-11-14T00:00:00", "2016-11-15T00:00:00", "2016-11-16T00:00:00", "2016-11-17T00:00:00", "2016-11-18T00:00:00", "2016-11-21T00:00:00", "2016-11-22T00:00:00", "2016-11-23T00:00:00", "2016-11-24T00:00:00", "2016-11-25T00:00:00", "2016-11-28T00:00:00", "2016-11-29T00:00:00", "2016-11-30T00:00:00", "2016-12-01T00:00:00", "2016-12-02T00:00:00", "2016-12-05T00:00:00", "2016-12-06T00:00:00", "2016-12-07T00:00:00"], "meta": { "start": "", "end": "", "totalResults": 21, "offset": null, "limit": null, "fields": "", "arguments": { "numberOfCustomers": "[5]", "customSlotLength": "[65]", "servicePublicId": "[54b3482204c11bedc8b0a7acffa308cb3a92a3390c4f7f8a58c93ebff3e7493, d232ee8950d170f734e03b9afc5b5dae24779a29dfb3aad2d6932c1f81ddcf99]" } } }		

Orchestra Calendar Public Appointment API

- The endpoint is changed from .../public/api/v1/branches/... to .../public/api/v2/branches/...
- Keep in mind that the customer-information needs to be unique during the actual booking of the appointment when using multiple customers.

Get list of available times for multiple services and customers

Retrieve a list of dates on which appointments can be booked for multiple service at the selected branch. When a non-existing branch-publicId or service-publicId is used, an empty date list will be returned. Multiple customers can be considered. Additionally, you can set a customSlotLength. With you can request times where the specified amount of time is available.

Only the dates will be returned for which there still are bookable time slots available.

Request URL	[Server]:[port]/calendar-backend/public/api/v2/branches/{branch-publicId}/dates/{date}/times;servicePublicId={service-publicId};servicePublicId={service-publicId};numberOfCustomers={number of customers};customSlotLength={amount of time in minutes}		
Request Method	GET		
Request Params	branch-publicId	The publicId of the selected branch	
	date	Date without the time part, “2016-11-21T00:00:00” becomes “2016-11-21”	
Query Params	servicePublicId	The publicId of the selected service	
	numberOfCustomers	The number of additional customers	
	customSlotLength	The amount of time in minutes, e.g. 30 or 120	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Response Codes	200	Ok	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	dates	JSON Array	List of available dates
	notifications	JSON Array	Not in use
	meta	JSON Object	Request meta information Object
Response body data example	{ "notifications": [], "times": ["09:00", "09:05", "09:10", "09:15", "09:20", "09:25", "09:30", "09:35", "09:40", "09:45", "09:50", "09:55", "10:00", "10:05",], "meta": { "start": "", "end": "", "totalResults": 14, "offset": null, "limit": null, "fields": "", "arguments": { "numberOfCustomers": "[5]", "customSlotLength": "[20]", "servicePublicId": "[54b3482204c11bedc8b0a7acbff308cb3a92a3390c4f7f8a58c93ebff3e7493, d232ee8950d170f734e03b9afc5b5dae24779a29dfb3aad2d6932c1f81ddcf99]" } } }		

- The endpoint is changed from .../public/api/v2/branches/... to .../public/api/v1/branches/...
- Keep in mind that the customer-information needs to be unique during the actual booking of the appointment when using multiple customers.

Orchestra Calendar Public Appointment API

Book an appointment for multiple customers and multiple services

None of the customer fields are mandatory when booking an appointment. But by not providing any information it's not possible to identify a customer. We therefore advice to provide at least the firstName, lastName, email and/or phone number fields. Also, if available, a unique customer identification / account number (externalId field) which is already used within the organization.

This way you can identify a customer and communicate back by email or text-message (phone), e.g. sending an appointment reminder, reschedule of an appointment.

The benefit of providing/using a unique identifier as mail or account number is that only one customer record will be created instead of a new one for each appointment the customer books.

Additionally, you can set a customSlotLength. With it you can book an appointment while setting the appointment length to the specified amount of time.

Note: You need to strip the time part from the selected date when using it as request parameter. E.g. "2016-11-21T00:00:00" becomes "2016-11-21".

Request URL	[Server]:[port]/calendar-backend/public/api/v2/branches/{branch-publicId}/dates/{date}/times/{time}/book;customSlotLength={amount of time in minutes}		
Request Method	POST		
Request Params	branch-publicId	The publicId of the selected branch	
	date	Date without the time part, “2016-11-21T00:00:00” becomes “2016-11-21”	
	time	The selected time	
Query Params	customSlotLength	The amount of time in minutes, e.g. 30 or 120	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Request body data Format	JSON Object		
Request body data fields	title	JSON String	Title of the appointment
	notes	JSON String	Notes regarding the appointment
	customers	JSON Object	
Request body data example	{ "customers": [{ "firstName": "Voornaam", "lastName": "Achternaam", "email": "test@test.com", "phone": "06-11", "addressLine1": "Straatnaam 1", "addressCity": "Plaatsnaam", "addressState": "Zuid Holland", "addressZip": "1111AB", "addressCountry": "Nederland", "identificationNumber": "1234567890", "dateOfBirth": "1900-01-31" }], { "firstName": "Voornaam", "lastName": "Achternaam", "email": "test@test.com", "phone": "06-11", "addressLine1": "Straatnaam 1", "addressCity": "Plaatsnaam", "addressState": "Zuid Holland", "addressZip": "1111AB", "addressCountry": "Nederland", "identificationNumber": "1234567890". } }		

Orchestra Calendar Public Appointment API

	<pre>"dateOfBirth" : "1900-01-31" }}, "services" : [{ "publicId":"54b3482204c11bedc8b0a7acbff308cb3a92a3390c4f7f8a58c93ebff3e7493" }, { "publicId":"d232ee8950d170f734e03b9afc5b5dae24779a29dfb3aad2d6932c1f81ddcf99" }], "notes" : "Geboekt via internet" }</pre>		
Response Codes	200	Ok, appointment booked	
	400	Bad request, see header error code and/or message	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	services	JSON Array	List of services related to this appointment
	resource	JSON Object	Resource, (agenda) in which the appointment has been booked
	customers	JSON Array	List of customers related to this appointment
	title	JSON String	Appointment title
	start	JSON String	Appointment Start date-time in UTC / ISO 8601 format
	created	JSON Date	Creation date/time
	updated	JSON Date	Creation date/time
	publicId	JSON String	Unique 64-character appointment ID
	branch	JSON Object	Branch in for which the appointment has been booked
	notes	JSON String	Notes for this Appointment
	end	JSON String	Appointment End date-time in UTC / ISO 8601 format
Response body data example	<pre>{ "services": [{ "additionalCustomerDuration": 5, "duration": 10, "updated": 1478589864948, "created": 1478589859992, "name": "Product 1", "publicId": "54b3482204c11bedc8b0a7acbff.....", "active": true, "publicEnabled": true, }, { "additionalCustomerDuration": 5, "duration": 10, "updated": 1475736599019, "created": 1475736594139, "name": "Product 2", "publicId": "d232ee8950d170f734e03b9afc5b.....", "active": true, "publicEnabled": true, }], "allDay": false, "status": 20, "resource": { "name": "Resource 1", }, "customers": [{ "dateOfBirth": -2206357200000, "addressState": "Zuid Holland", "lastName": "Achternaam", "phone": "06-11", "addressCity": "Plaatsnaam", "externalId": null,</pre>		

Orchestra Calendar Public Appointment API

	<pre> "addressLine2": null, "addressLine1": "Straatnaam 1", "updated": null, "created": 1478677318431, "email": "test@test.com", "name": "Voornaam Achternaam", "publicId": "4745bcd420da6e32615750988b2.....", "firstName": "Voornaam", "addressCountry": "Nederland", "custom": null, "identificationNumber": "1234567890", "addressZip": "1111AB" }, { "dateOfBirth": -2206357200000, "addressState": "Zuid Holland", "lastName": "Achternaam", "phone": "06-11", "addressCity": "Plaatsnaam", "externalId": null, "addressLine2": null, "addressLine1": "Straatnaam 1", "updated": null, "created": 1478677318590, "email": "test@test.com", "name": "Voornaam Achternaam", "publicId": "4ef2f1d851c1390cc1dcb9dbf0785be.....", "firstName": "Voornaam", "addressCountry": "Nederland", "custom": null, "identificationNumber": "1234567890", "addressZip": "1111AB" } }, "blocking": false, "title": null, "start": "2016-11-14T10:00:00.000+0000", "created": 1478677318891, "updated": 1478677318918, "publicId": "d3172d9d3e57996455755fb5a1d0c.....", "branch": { "addressState": null, "phone": null, "addressCity": "City", "fullTimeZone": "Europe/Amsterdam", "timeZone": "Europe/Amsterdam", "addressLine2": "Street 1", "addressLine1": "Branch 1", "updated": 1475589234069, "created": 1475589234008, "email": null, "name": "Branch 1", "publicId": "f364d92b7fa07a48c4ecc862de30c475.....", "longitude": null, "branchPrefix": null, "latitude": null, "addressCountry": "Netherlands", "custom": null, "addressZip": "1111 AA" }, "notes": "Geboekt via internet", "end": "2016-11-14T10:30:00.000+0000", "custom": null } </pre>
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- The publicId of the customer can be used to retrieve the appointments for that customer
- The publicId of the appointment can be used to retrieve information about this appointment.

Orchestra Calendar Public Appointment API

- Note!! The appointment start and end time fields are given back in Universal Time. To get the local time you need to apply the timeZone of the branch.
- The backend uses both the `Duration` and the `additionalCustomerDuration` (set on the service) to determine the duration of the appointment.
For example, a service with `Duration` of 10 minutes and `additionalCustomerDuration` of 5 minutes will result in an appointment duration of 15 minutes for 2 customers.
For example, a service with `Duration` of 30 minutes and `additionalCustomerDuration` of 15 minutes will result in an appointment duration of 90 minutes for 5 customers.
- `numberOfCustomers` will be used on all services when calculating the appointment duration
For example, a service with `Duration` of 10 minutes and `additionalCustomerDuration` of 5 minutes will result in an appointment duration of 50 when minutes for 4 customers and 2 services.
- By using the `customSlotLength` parameter you can set a different appointment duration.

Orchestra Calendar Public Appointment API

Reserve a selected date/time slot when using multiple services and multiple customers

Instead of booking an appointment with the customer information, it's also possible to reserve a slot and afterwards confirm the reservation and supply the customer information

A confirm of this appointment must be sent within 10 minutes of the call to reserve, otherwise the reservation is discarded and the timeslot for the selected resource becomes available again.

Additionally, you can set a customSlotLength. With it you can reserve an appointment time while setting the appointment length to the specified amount of time.

Request URL	[Server]:[port]/calendar-backend/public/api/v2/branches/{branch-publicId}/dates/{date}/times/{time}/reserve;numberOfCustomers={number of customers};customSlotLength={amount of time in minutes}		
Request Method	POST		
Request Params	branch-publicId	The publicId of the selected branch	
	date	Date without the time part, “2016-11-21T00:00:00” becomes “2016-11-21”	
	time	The selected time	
Query Params	numberOfCustomers	The number of additional customers	
	customSlotLength	The amount of time in minutes, e.g. 30 or 120	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Request body data example	{ "services" : [{ "publicId": "54b3482204c11bedc8b0a7acbffa308cb3a92a3390c4f7f8a58c93ebff3e7493" }], { "publicId": "d232ee8950d170f734e03b9afc5b5dae24779a29dfb3aad2d6932c1f81ddcf99" }] }		
Response Codes	200	Ok, appointment booked	
	400	Bad request, see header error code and/or message	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	services	JSON Array	List of services related to this appointment
	resource	JSON Object	Resource, (agenda) in which the appointment has been booked
	customers	JSON Array	List of customers related to this appointment
	title	JSON String	Appointment title
	start	JSON String	Appointment Start date-time in UTC / ISO 8601 format
	created	JSON Date	Creation date/time
	updated	JSON Date	Creation date/time
	publicId	JSON String	Unique 64-character appointment ID
	branch	JSON Object	Branch in for which the appointment has been booked
	notes	JSON String	Notes for this Appointment
end	JSON String	Appointment End date-time in UTC / ISO 8601 format	
Response body data example	{ "services": [{ "additionalCustomerDuration": 5, "duration": 10, "updated": 1478589864948, "created": 1478589859992, "name": "Product 1", "publicId": "54b3482204c11bedc8b0a7acbffa308cb3a92a3390c4f7f8a58c93ebff3e7493", "active": true, "publicEnabled": true, "custom": "....." }, { "additionalCustomerDuration": 5, "duration": 10, "updated": 1478589864948, "created": 1478589859992, "name": "Product 2", "publicId": "d232ee8950d170f734e03b9afc5b5dae24779a29dfb3aad2d6932c1f81ddcf99", "active": true, "publicEnabled": true, "custom": "....." }] }		

Orchestra Calendar Public Appointment API

	<pre> }, { "additionalCustomerDuration": 5, "duration": 10, "updated": 1475736599019, "created": 1475736594139, "name": "Product 2", "publicId": "d232ee8950d170f734e03b9afc5b5dae.....", "active": true, "publicEnabled": true, "custom": }], "allDay": false, "status": 10, "resource": { "name": "Resource 1", }, "customers": [], "blocking": false, "title": "Pending reservation", "start": "2016-11-14T12:00:00.000+0000", "created": 1478678741225, "updated": 1478678741245, "publicId": "c760963ad8b84f4b449302cf754ab6.....", "branch": { "addressState": null, "phone": null, "addressCity": "City", "fullTimeZone": "Europe/Amsterdam", "timeZone": "Europe/Amsterdam", "addressLine2": "Street 1", "addressLine1": "Branch 1", "updated": 1475589234069, "created": 1475589234008, "email": null, "name": "Branch 1", "publicId": "f364d92b7fa07a48c4ecc862d.....", "longitude": null, "branchPrefix": null, "latitude": null, "addressCountry": "Netherlands", "custom": null, "addressZip": "1111 AA" }, "notes": null, "end": "2016-11-14T12:20:00.000+0000", "custom": null } </pre>
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- The publicId of the appointment should be used to confirm and finally book the appointment
- Note!! The appointment start and end time fields are given back in Universal Time. To get the local time you need to apply the timeZone of the branch.
- Keep in mind that the customer-information needs to be unique during the actual booking of the appointment when using multiple customers.
- By using the customSlotLength parameter you can set a different appointment duration.

Orchestra Calendar Public Appointment API

Confirm a selected date/time slot to book an appointment with multiple customers

Confirm a reserved time slot.

Request URL	[Server]:[port]/calendar-backend/public/api/v2/branches/appointments/{ appointment-publicId }/confirm		
Request Method	POST		
Request Params	appointment-publicId	The publicId of the appointment	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Request body data Format	JSON Object		
Request body data fields	title	JSON String	Title of the appointment
	notes	JSON String	Notes regarding the appointment
	customers	JSON Object	
Request body data example	{ "customers": [{ "firstName": "Voornaam", "lastName": "Achternaam", "email": "test@test.com", "phone": "06-11", "addressLine1": "Straatnaam 1", "addressCity": "Plaatsnaam", "addressState": "Zuid Holland", "addressZip": "1111AB", "addressCountry": "Nederland", "identificationNumber": "1234567890", "dateOfBirth": "1900-01-31" }], { "firstName": "Voornaam", "lastName": "Achternaam", "email": "test@test.com", "phone": "06-11", "addressLine1": "Straatnaam 1", "addressCity": "Plaatsnaam", "addressState": "Zuid Holland", "addressZip": "1111AB", "addressCountry": "Nederland", "identificationNumber": "1234567890", "dateOfBirth": "1900-01-31" }], "notes": "Geboekt via internet" }		
Response Codes	200	Ok, appointment booked	
	400	Bad request, see header error code and/or message	
	404	Appointment not found	
	500	Error, see header error code and/or message	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	services	JSON Array	List of services related to this appointment
	resource	JSON Object	Resource, (agenda) in which the appointment has been booked
	customers	JSON Array	List of customers related to this appointment
	title	JSON String	Appointment title
	start	JSON String	Appointment Start date-time in UTC / ISO 8601 format
	created	JSON Date	Creation date/time
	updated	JSON Date	Creation date/time
	publicId	JSON String	Unique 64-character appointment ID
	branch	JSON Object	Branch in for which the appointment has been booked
	notes	JSON String	Notes for this Appointment
	end	JSON String	Appointment End date-time in UTC / ISO 8601 format

Orchestra Calendar Public Appointment API

Response body data example	<pre> { "services": [{ "additionalCustomerDuration": 5, "duration": 10, "updated": 1478589864948, "created": 1478589859992, "name": "Product 1", "publicId": "54b3482204c11bedc8b0a7acffa308.....", "active": true, "publicEnabled": true, "custom": }, { "additionalCustomerDuration": 5, "duration": 10, "updated": 1475736599019, "created": 1475736594139, "name": "Product 2", "publicId": "d232ee8950d170f734e03b9afc5b5dae2.....", "active": true, "publicEnabled": true, "custom": }], "allDay": false, "status": 20, "resource": { "name": "Resource 1", }, "customers": [{ "dateOfBirth": -2206357200000, "addressState": "Zuid Holland", "lastName": "Achternaam", "phone": "06-11", "addressCity": "Plaatsnaam", "externalId": null, "addressLine2": null, "addressLine1": "Straatnaam 1", "updated": null, "created": 1478679471205, "email": "test@test.com", "name": "Voornaam Achternaam", "publicId": "3181c04ff46c1e021de9b6d14203fb6ed5.....", "firstName": "Voornaam", "addressCountry": "Nederland", "custom": null, "identificationNumber": "1234567890", "addressZip": "1111AB" }, { "dateOfBirth": -2206357200000, "addressState": "Zuid Holland", "lastName": "Achternaam", "phone": "06-11", "addressCity": "Plaatsnaam", "externalId": null, "addressLine2": null, "addressLine1": "Straatnaam 1", "updated": null, "created": 1478679471931, "email": "test@test.com", "name": "Voornaam Achternaam", "publicId": "7ce39f369981c99595831ed71ce8b8698cf0.....", "firstName": "Voornaam", "addressCountry": "Nederland", "custom": null, "identificationNumber": "1234567890", "addressZip": "1111AB" }] } </pre>
----------------------------	---

	<pre> } }, "blocking": false, "title": null, "start": "2016-11-14T12:00:00.000+0000", "created": 1478679443312, "updated": 1478679471982, "publicId": "5bf824376094ddf41d7d2496a0e11afd7fa.....", "branch": { "addressState": null, "phone": null, "addressCity": "City", "fullTimeZone": "Europe/Amsterdam", "timeZone": "Europe/Amsterdam", "addressLine2": "Street 1", "addressLine1": "Branch 1", "updated": 1475589234069, "created": 1475589234008, "email": null, "name": "Branch 1", "publicId": "f364d92b7fa07a48c4ecc862.....", "longitude": null, "branchPrefix": null, "latitude": null, "addressCountry": "Netherlands", "custom": null, "addressZip": "1111 AA" }, "notes": "Geboekt via internet", "end": "2016-11-14T12:20:00.000+0000", "custom": null } </pre>
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- The publicId of the customer can be used to retrieve the appointments for that customer
- The publicId of the appointment can be used to retrieve information about this appointment.
- Note!! The appointment start and end time fields are given back in Universal Time. To get the local time you need to apply the timeZone of the branch.
- The backend uses both the Duration and the additionalCustomerDuration (set on the service) to determine the duration of the appointment.
For example, a service with Duration of 10 minutes and additionalCustomerDuration of 5 minutes will result in an appointment duration of 15 minutes for 2 customers.
For example, a service with Duration of 30 minutes and additionalCustomerDuration of 15 minutes will result in an appointment duration of 90 minutes for 5 customers.
- numberOfCustomers will be used on all services when calculating the appointment duration
- Keep in mind that the customer-information needs to be unique during the actual booking of the appointment when using multiple customers.

Orchestra Calendar Public Appointment API

Get all groups of services which can be booked together

Obtain all services which can be booked together for a provided service.

Request URL	[Server]:[port]/calendar-backend/public/api/v1/services/groups;service-publicId={servicePublicId}		
Request Method	GET		
Request Params	-		
Query Params	servicePublicId	The publicId of the service	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Request body data Format	JSON Object		
Response Codes	200	Ok	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	branchPublicId	JSON String	Unique 64-character branch Id
	branchName	JSON String	Name of the branch
	serviceGroups	JSON Array	Array of services
Response body data example	<pre>[{ "branchPublicId": "c965626d7897ad8c9cb6b3fabef73928be798ad0a7b.....", "branchName": "Branch 1", "serviceGroups": [{ "services": [{ "publicId": "27380b5e0203af715a806c2197bc376f19300f4bae0.....", "name": "Product 1", "duration": 10, "additionalCustomerDuration": 0, "custom": null }, { "publicId": "6c4e2334cef5836f2b33d3c2d7dcdd8641.....", "name": "Product 3", "duration": 5, "additionalCustomerDuration": 0, "custom": null }, { "publicId": "104a79a5a8f8ab09b5b7f150e5575156a6393065f2c.....", "name": "Product 5", "duration": 5, "additionalCustomerDuration": 0, "custom": null }] }] }]</pre>		

- An empty result is returned when an incorrect servicePublicId is provided

Orchestra Calendar Public Appointment API

Get all groups of services which can be booked together for a specific branch

Obtain all services which can be booked together on a specific branch for a provided service.

Request URL	[Server]:[port]/calendar-backend/public/api/v2/branches/{branchPublicId}/services/groups;service-publicId={servicePublicId}		
Request Method	GET		
Request Params	branchPublicId	The publicId of the branch	
Query Params	servicePublicId	The publicId of the service	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Request body data Format	JSON Object		
Response Codes	200	Ok	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	services	JSON Array	Array of services
Response body data example	<pre>[{ "services": [{ "publicId": "27380b5e0203af715a806c2197bc376f19300f4bae02.....", "name": "Product 1", "duration": 10, "additionalCustomerDuration": 0, "custom": null }, { "publicId": "6c4e2334cef5836f2b33d3c2d7dcdd8641276d352005c.....", "name": "Product 3", "duration": 5, "additionalCustomerDuration": 0, "custom": null }, { "publicId": "104a79a5a8f8ab09b5b7f150e5575156a6393065f.....", "name": "Product 5", "duration": 5, "additionalCustomerDuration": 0, "custom": null }] }]</pre>		

- An empty result is returned when an incorrect branchPublicId or servicePublicId is provided

Orchestra Calendar Public Appointment API

Get all branches on which provided service can be booked

Obtain all services which can be booked together on a specific branch with a provided service.

Request URL	[Server]:[port]/calendar-backend/public/api/v2/branches/available;servicePublicId={ servicePublicId }		
Request Method	GET		
Request Params	-		
Query Params	servicePublicId	The publicId of the service	
Request Headers	Content-Type	application/json	
	Accept	application/json	
Request body data Format	JSON Object		
Response Codes	200	Ok	
Response Content-Type	application/json; charset=utf-8		
Response data Format	JSON Object		
Response body data fields	-	JSON Array	Array of branches
Response body data example	<pre>[{ "id": 1, "qpld": 1, "publicId": "c965626d7897ad8c9cb6b3fabef73928be798ad0a7ba.....", "name": "Branch 1", "branchPrefix": null, "phone": "", "email": "", "addressLine1": "Street 1", "addressLine2": null, "addressCity": "Smalltown", "addressState": null, "addressZip": "1111AA", "addressCountry": "ABC", "latitude": null, "longitude": null, "created": 1500283152887, "updated": 1500964510240, "custom": "", "timeZone": "Europe/Amsterdam", "fullTimeZone": "Europe/Amsterdam" }, { "id": 2, "qpld": 2, "publicId": "64caa79b8a7e13b3e5ed327a91b89d344a6c424b91e.....", "name": "Branch 2", "branchPrefix": null, "phone": null, "email": null, "addressLine1": "Lawn 34", "addressLine2": null, "addressCity": "Largecity", "addressState": null, "addressZip": "2222BA", "addressCountry": "ABC", "latitude": null, "longitude": null, "created": 1500964237981, "updated": 1500964510532, "custom": null, "timeZone": "Europe/Amsterdam", "fullTimeZone": "Europe/Amsterdam" }]</pre>		

- An empty result is returned when an incorrect branchPublicId or servicePublicId is provided

4. Data Objects

Customer

Field	Type	Length	Format	
addressCity	String	255		
addressCountry	String	255		
addressLine1	String	255		
addressLine2	String	255		
addressState	String	255		
addressZip	String	255		
dateOfBirth	String/ Number		YYYY-MM-DD	You may post as ISO 8601 date. Return value is always a numeric value corresponding to the time for the specified date according to universal time.
Email	String	255		
externalId	String	255		
firstName*	String	200		
identificationNumber	String	255		
lastName	String	200		
phone	String	50		

```
{
  "firstName": "Voornaam",
  "lastName": "Achternaam",
  "email": "test@test.com",
  "phone": "06-11223344",
  "addressLine1": "Straatnaam 1",
  "addressLine2": "4th floor",
  "addressCity": "Plaatsnaam",
  "addressState": "Zuid Holland",
  "addressZip": "1111AB",
  "addressCountry": "Nederland",
  "identificationNumber": "1234567890",
  "externalId": "VoornaamAchternaamtest@test.com",
  "dateOfBirth": "1900-01-31"
}
```

branch

```
{
  "addressState": "Zuid Holland",
  "phone": "071-4023344",
  "addressCity": "Katwijk",
  "fullTimeZone": "Europe/Amsterdam",
  "timeZone": "Europe/Amsterdam",
  "addressLine2": "Lageweg 35",
  "addressLine1": null,
  "updated": 1475589234069,
  "created": 1475589234008,
  "email": null,
  "name": "Branch 1",
  "publicId": "f364d92b7fa07a48c4ecc862de30c47.....",
  "longitude": 4.436127618214371,
  "branchPrefix": null,
  "latitude": 52.202012993593705,
  "addressCountry": "Netherlands",
  "custom": null,
  "addressZip": "2222 AG"
}
```

service

```
{
  "additionalCustomerDuration": 0,
  "duration": 5,
  "updated": 1475589228781,
  "created": 1475589228595,
  "name": "Product 1",
  "publicId": "1e0c3d34acb5a4ad0133b2927959e896.....",
  "active": true,
  "publicEnabled": true,
  "custom": null
}
```

5. Difference between versions

Customer object

Starting Orchestra 6.1. there's been a change in the way customerobjects can be booked.
As of this version all customerobjects need to be unique.
This means that once an appointment is being booked every additional customer needs to be filed with different data.

The field 'externalId' in the customerobject needs to be filled with a unique value.
Only through a unique value is that customerobject identifiable.
For example use a SocialSecurityNumber (BSN), a timestamp or a combination of the firstName, lastName and emailfields.

The customer field 'phone' now has a length of 50 characters, this was previously 255 characters.

As of (and including) Orchestra 6.1. (build 3.1.0.537) the matrix parameter 'customSlotLength' is available.

6. Hiding services or branches

In some cases, it would be useful to hide certain services or branches from the selections provided to the customer. For this to be possible you'd need to be able to identify those services or branches. As the publicId of a service or branch is publicly obtainable this field can be used for that purpose. The publicId can be changed within the Orchestra software.

We suggest to change the publicId to contain the word 'hide'.
The publicId for example would then be
'hide4c0e71ecc039d29a8c8fa0e5f6c0f0c3966c9c61831ed77a9b3ba4f55a10'.

Once 'hide....' has been identified in the publicId you could hide it from the list of services or branches.