SuperControl Booking API

API Security

Each client accessing the API will be provided with a unique key. A key can also be provided for testing.

In addition to the unique key access to the API is limited by IP address. Each unique key can be associated with multiple IP addresses.

All posts to the API are logged.

All traffic to SuperControl is inspected by our Web Application Firewall. If the firewall detects any malicious traffic your IPs will be automatically blocked. We highly recommend sanitising all requests before sending to our API.

General XML structure

All posts to the API should be made using valid XML. All posts with contain the following nodes:

```
<scAPI>
```

```
<client> <ID>2</ID> <key>1234</key> <ref>5678</ref> <prop>
<propID>123</propID> ...other data here </prop> </client>
```

```
</scAPI>
```

The client node must contain:

ID: The SuperControl client ID Key: The unique key ref: Optional. You may wish to pass your own booking or request reference.

The prop node must contain propID. This is the SuperControl property code.

Additional availability and pricing data will be contained within the prop node. It is possible to update multiple clients and multiple properties.

Error response

Errors will generally be reported using the following XML format.

```
<scAPI>
<status>ERROR</status>
<msg>Error details</msg>
<ref>Your ref</ref>
</scAPI>
```

Successful response

```
<scAPI>
<status>OK</status>
<msg>The data was saved</msg>
<ref>Your ref</ref>
</scAPI>
```

Update availability

The API to update availability is online at:

https://secure.supercontrol.co.uk/api/avail.asp

The full XML structure is as follows:

```
<scAPI>
<client>
<ID>CLIENT ID</ID>
<key>YOUR KEY</key>
<ref>1234</ref>
<prop>
<propID>1234</propID>
<reset>false</reset>
<dates>
        <date status="b" start="2018-11-15" nights="7" closed="0">
<BookingType>API</BookingType>
        <yourRef>9DACAE69-BF97-42A3-B7C7-9A08C98E7FF0</yourRef>
        <affiliate></affiliate>
        <siteID>0</siteID>
                <PaymentRedirect>
                        <success></success>
                        <fail></fail>
                </PaymentRedirect>
                <guest>
                        <title>Mr</title>
                        <firstname><![CDATA[Katie]]></firstname>
                        <lastname><![CDATA[Ali]]></lastname>
                        <company></company>
                        <address1><![CDATA[97 Caxton Place]]></address1>
                        <address2></address2>
                        <town><![CDATA[BUTCHER'S CROSS]]></town>
                        <county></county>
                        <postcode><![CDATA[AB10 1JG]]></postcode>
                        <country><![CDATA[GB]]></country>
                        <email><![CDATA[Katie.R.Ali@pookmail.com]]></email>
                        <telephone><![CDATA[070 3397 4915]]></telephone>
                        <mobile><![CDATA[070 3397 4915]]></mobile>
                </guest>
                <notes>
                        <note><![CDATA[Here is a note]]></note>
                </notes>
                <booking>
                        <value>865</value>
                        <vatPercentage>0</vatPercentage>
                        <pax adults="5" children="0" infants="0" />
                        <commission>0</commission>
                </booking>
```

```
<payments>
    <payment>
    <date>2019-06-24</date>
    <value>216</value>
    <caption>Deposit payment</caption>
    <method>Credit card</method>
    </payment>
</payments>
<extras>
    <extra>
    <id>0</id>
    <qty>1</qty>
    <value>10</value>
    <name>Custom option</name>
    </extra>
    <extra>
    <id>1</id>
    <qty>1</qty>
    <value>10</value>
    <name />
    </extra>
</extras>
</date>
</dates>
</prop>
</client>
</scAPI>
```

XML reference

Node	Optional	Values	Notes
reset	N	true / false	Set to true if you want to clear ALL bookings from the property. If you are sending availability as a batch this means that you will only need to send booked dates. If you are sending single bookings do not set this to true.
ref	Y	Char	Your unique reference for this request to the API. Could be the same as the booking reference.
dates > date @ status	N	a = available b = booked p = provisional	The status of dates. To cancel existing API bookings use "a".
dates > date @ start	N	yyyy-mm-dd	Arrival date in ISO format
dates > date @ nights	N	Integer	Number of nights
dates > date @ closed	N	0 or 1	Indicates if the dates are closed rather than booked. For example, property maintenance.
dates > date > BookingType	Y	API - default WEBSITE	Bookings can be treated as if they originated from the client's website. This is useful for triggering automatic emails. Leave attribute blank or set to API for most cases.
Dates > date > yourRef	Y	Char	Your unique reference for this booking
dates > date > affiliate	Y	Char	To track bookings from a source. These are clearly identified and filtered in SuperControl.
dates > date > siteID	Y	Integer	The siteID in the client's SuperControl account associated with the booking.
dates > date > PaymentRedirect > success dates > date > PaymentRedirect > fail	Y	URL	The API will return a payment URL to direct the guest following booking. If a URL is provided, we can redirect back to your website depending on the payment status.
dates > date > guest > title	Y	Char	Guest prefix, e.g. Mr, Mrs, Miss, Ms.

dates > date > guest > firstname	Y	Char	Guest's first name
dates > date > guest > lastname	Y	Char	Guest's last name
dates > date > guest > company	Y	Char	Company name if appropriate
dates > date > guest > address1	Y	Char	First line of the guest's address
dates > date > guest > address2	Y	Char	Second line of the guest's address if appropriate
dates > date > guest > town	Y	Char	Guest town or city
dates > date > guest > county	Y	Char	Guest's county, region or state. US or Canada should provide two-character state codes where possible.
dates > date > guest > postcode	Y	Char	Postal or zip code
dates > date > guest > country	Y	ISO two letter country code	For example, GB.
dates > date > guest > email	Y	Char	Guest's email address
dates > date > guest > telephone	Y	Char	Guest's telephone number
dates > date > guest > mobile	Y	Char	Guest's mobile telephone number
dates > date > notes > note	Y	Char	Notes associated with the booking. These are saved as guest comments. Only one note is possible.
dates > date > booking > date	Y	yyyy-mm-dd	Date of the booking. If not specified today's date will be assumed.
dates > date > booking > value	Y	Double	Value of the booking. No commas in numbers. Two decimal places, e.g. 1000.00. Currency is determined by the account settings.
dates > date > booking > pax @ adults	Y	Int	Number of adults
dates > date > booking > pax @ children	Y	Int	Number of children
dates > date > booking > pax @ infants	Y	Int	Number of infants
dates > date > booking > commission	Y	Double	Commission to be charged on this booking. Will be added as an agent fee to the booking.
dates > date > payments > payment > date	Y	yyyy-mm-dd	Date of the payment

dates > date > payments > payment > value	Y	Double	Amount of the payment. No commas, two decimal places. E.g. 1000.00
dates > date > payments > payment > caption	Y	Char	Short caption associated with the payment, e.g. Deposit payment
dates > date > payments > payment > method	Y	Char	The payment method, e.g. Credit card, Stripe
dates > date > extras > extra > id	Y	Int	The extra ID as defined in the SuperControl account. If set to zero the extra will still be added to the booking as a "custom extra".
dates > date > extras > extra > qty	Y	Int	The number of the extras purchased. Must be greater than zero.
dates > date > extras > extra > value	Y	Double	The total value of the extras. The unit price will then be defined by dividing the value by quantity.
dates > date > extras > extra > name	Y	Char	The name of the extra if. If a valid id is supplied the name is not required, it will be taken from the defined extra in the account.

Add a new booking

To add a new booking send dates with a status=b or status=p. Note that the system will not override existing bookings.

Update a booking

Send the same request with a matching yourRef. If the dates have changed then the existing booking will be adjusted.

Only arrival and departure dates are updated. None of the other booking details are currently updateable using this API. You can only update bookings created using your token via the API.

Cancel a booking

Send booking dates with status=a. This will cancel any API bookings that match the dates. You can only cancel bookings that were created using the API.

Example response

```
<scAPI>
<status>OK</status>
<msg>The data was saved</msg>
<ref>1234</ref>
<bookingRef>
<yourRef scID="997766" bookingID="102744805" existing="false"
paymentURL="https://secure.supercontrol.co.uk/payments/2-102744805-0">9DACAE69-
BF97-42A3-B7C7-9A08C98E7FF0</yourRef>
</bookingRef>
</scAPI>
```

Response XML reference

Node	Optional	Values	Notes
status	N	OK ERROR	If an ERROR response is returned the msg node will contain details
msg	N	Char	Description of the status
ref	N	Char	Your reference for the request
bookingRef > yourRef	Y	Char	If you provide a value in yourRef the API returns details of each <date>. The value of this node is yourRef.
bookingRef > yourRef @ scID	Y	Int	The booking number for this account. Each SuperControl account increments booking numbers from 1. This is the booking number that the client or guest will refer to but it will not be unique across all accounts.
bookingRef > yourRef @ bookingID	Y	Int	The unique booking ID for this booking in the SuperControl database.
bookingRef > yourRef @ existing	Y	true false	If "true" then an API booking already existed for this property and dates. If "false" then a new booking has been inserted.
bookingRef > yourRef @ paymentURL	Y	URL	A URL which you can redirect to for the guest to make payment. Note that the client must have an integrated payment processor.

Add Payment

Once a booking has been added you can add additional payment using a separate API.

https://api.supercontrol.co.uk/v3/booking/addpayment

Example XML:

```
<BookingAddPaymentRequest>
    <BookingId>123456</BookingId>
    <Date>2019-04-04</Date>
    <Value>100.00</Value>
    <Caption>Deposit payment</Caption>
    <Method>Stripe</Method>
</BookingAddPaymentRequest>
```

The API requires your API key to be sent as a header SC-TOKEN.

Add Payment XML reference

Node	Optional	Values	Notes
BookingId	N	Int	The system bookingID. I.e. the value returned in the response bookingRef > yourRef @ bookingID
Date	N	yyyy-mm-dd	Date that the payment was made
Value	N	Double	Two decimal places. No commas. E.g. 100.00
Caption	N	Char	A short caption to describe the payment. For example, "deposit payment".
Method	N	Char	How the payment was made. For example, "Stripe, Braintree". If possible. you should include the payment processor reference.

Add Payment Response

```
<BookingAddPaymentResponse
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <BookingId>12345</BookingId>
    <Message>Payment added to booking 12345</Message>
</BookingAddPaymentResponse>
```

Booking export API

This API is used to retrieve booking and guest data.

https://api.supercontrol.co.uk/v3/DataExport/Bookings

Authentication

You must send the following header with your unique token. This is the same token used for the booking API, although SuperControl will need to enable it for data export.

SC-TOKEN

The API accepts the following parameters.

Parameter	Description	Type	Example
startDate	Start of booking range (date booking placed)	Date	2020-12-01
endDate	End of booking range	Date	2020-12-31
page	Page of data	Integer	1
limit	How many bookings per page	Integer	Max 1000
lastUpdate	Timestamp since bookings were last added or updated	Date / Time	2020-06-06T22:00:00.000Z

Example request to retrieve bookings for September of 2020

https://api.supercontrol.co.uk/v3/DataExport/Bookings?page=1&limit=100&startDate=2020-09-01&endDate=2020-09-30

Paging

Because of amount of data that can be retrieved, to protect our servers, this API is paged by default, returning maximum 1000 bookings per request.

Result returns current page number and number of pages in total, so it is easy to page through it.

```
<CurrentPage>1</CurrentPage>

<TotalPages>166</TotalPages>
```

Example response

```xml
<scAPI xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<CurrentPage>1</CurrentPage>
    <TotalPages>1</TotalPages>
    <Payload>
        <Booking>
            <SystemId>123456789</SystemId>
            <BookingId>123</BookingId>
            <BookingDate>2020-11-06</BookingDate>
            <Type>WEBSITE</Type>
            <Status>LIVE</Status>
            <Source>0</Source>
            <Currency>GBP</Currency>
            <ClientRef></ClientRef>
            <Guest>
                <Title>Mr</Title>
                <FirstName>George</FirstName>
                <LastName>Clooney</LastName>
                <Address1>12 Main St</Address1>
                <Address2 />
                <Town>MARKET DRAYTON</Town>
                <Postcode>MK1 1GE</Postcode>
                <County>Oxfordshire</County>
                <Country>GB</Country>
                <TelMain>079 6451 9892</TelMain>
                <TelMobile />
                <Subscribed>0</Subscribed>
                <Email>george.clooney@spambob.com</Email>
                <GuestId>987654321</GuestId>
            </Guest>
            <Properties>
                <Property>
                    <Start>2020-11-22</Start>
                    <End>2020-11-29</End>
                    <Closed>0</Closed>
                    <PropertyId>546567</PropertyId>
                    <VatRate>0</VatRate>
                    <Status>CONFIRMED</Status>
                    <Adults>3</Adults>
                    <Childrens>1</Childrens>
                    <Infants>1</Infants>
                    <RefundableDeposit>0</RefundableDeposit>
                    <Total>2203</Total>
                    <AgencyFee>0.00</AgencyFee>
                    <CanxFee>0.00</CanxFee>
                    <Discounts>
                        <Late>0</Late>
                        <Seasonal>0</Seasonal>
                        <Early>0</Early>
                        <Xy>0</Xy>
```

```xml
                <Occupancy>0</Occupancy>
                <Duration>0</Duration>
                <Custom>0</Custom>
            </Discounts>
            <Extras />
            <OwnerPayments />
        </Property>
    </Properties>
    <Guestpayments>
        <Payment>
            <Date>2018-11-06</Date>
            <Amount>550.75</Amount>
            <Method>Cheque</Method>
            <Caption>Deposit payment</Caption>
        </Payment>
    </Guestpayments>
    </Booking>
    </Payload>
</scAPI>
```