SynXis Booking Engine Linking Instructions – (Managed in Booking Engine Designer)

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Revision History

Rev Date	Rev Version	Description	Author Initials
12/2017	New document	This version only applies to the SynXis Booking Engine that is managed in Booking Engine Designer See SynXis BE Linking Instructions – For Templates for details related to the previous versions of SynXis BE.	DLJ
3/18		New variables, New format	DLJ

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Document Summary

This document does not apply for any template-based booking engine.

Use this guide to learn about building a URL you can provide to your customers on embed in your hotel's web site. This guide includes details from these SynXis Booing Engine Designer Help topics:

- <u>Creating a SynXis Booking Engine URL Manually</u> This section describes how to develop a link to the Booking Engine by adding variables to the URL to determine the first page of the Booking Engine.
- <u>Use Form Post Method to Connect to SynXis BE</u> As an alternative to sending form data parameters using a query string, SynXis BE allows you to send form data using the POST method to pass the same parameters listed in the "Error! Reference source not found." section of the Creating a URL Manually Help topic. There are a number of ways to perform a POST and it depends in large part on the programming language. This section details that information.
- Language Support SynXis BE and Mobile This section details how the BE uses translated content established in the SynXis CR.

Create a SynXis Booking Engine URL Manually

Summary

This Help topic describes how to develop a link to the booking engine by adding variables to the URL to determine the first page of the booking engine.

You can manually construct a customized URL to:

- Give to your customers.
- Embed it in your hotel's booking engine.
- Embed in your hotel's confirmation email template. For instance, you can add the following link to your confirmation email template to add Modify/Cancel instructions that could direct the guest immediately to their reservation.

Remember to edit the Chain ID in the link to match your ID.

Use the appropriate beginning to the URL based on the application you use to manage your booking engine: Example: https://be.synxis.com/?Chain=5148&email=%CEmail%&confirm=%ConfirmNo%

Form Post Method to Connect

See Use Form Post Method to Connect to SynXis BE.

SynXis BE allows you to send form data using the POST method to pass the parameters listed in the "<u>URL</u> <u>Parameters</u>" section below. You can use the links to access the details or search for a parameter using the Help search box.

Actions

- 1. Begin with Root URL to call the site (this does not include required or optional parameters as detailed in the "Linking" section of this document).
- 2. Add URL Parameters to instruct the system what information to display.



All parameter values listed are for example purposes only. Verify parameter values specific to your Property/Chain/Destination before linking.

All parameters passed t must be in the following format: Parameter name, "=" sign and parameter value (For example, the parameter for passing in the arrival date field: arrive=9/15/07).

When the first parameter is added to the root of the SynXis BE, it must be separated from the root URL with a "?". All other parameters that are added must be prefaced with an ampersand ("&").

In the following example, the hotel parameter is the first added parameter, while the chain, arrival date, departure date and number of adults are separated by ampersands as they follow the first added parameter:

https://be.synxis.com/?Hotel=12345&Chain=4321&arrive=9/12/2008&depart=9/14/2008&Adult =1

Do not include empty parameters. In the following example, the Child parameter should be omitted:

Incorrect: &Hotel=10001&Child=&Adult=1

Incorrect: &Hotel=10001&Child=0&Adult=1

Correct: &Hotel=10001&Adult=1

Do not include invalid parameters in the URL. For example, when setting the SynXis BE URL for the entire chain, do not pass invalid values in the hotel parameter:

Incorrect: &Hotel=N/Achaia=12345

Correct: & Chain=12345

URL Parameters

Use the following parameters to build a URL link specific for your use in accessing SynXis BE.



When you type the URL Parameters for the link, you can use spaces. However, when your browser uses the linking, it auto replaces the spaces with "+". For example, if you type https://be.synxis.com/?Hotel=27563&Chain=10431&Address=123 Winding Way, the browser converts to: https://be.synxis.com/?Hotel=27563&Chain=10431&Address=123+Winding+Way. Thus, either URL is correct.

Override Default Values

Hotels that wish to override the default values prior to checking availability often pre-fill values on SynXis BE via the URL using parameters. For example, if a hotel would prefer that the default number of adults was 2, they would pass &Adult=2 parameter when linking to SynXis BE.

Example call to the Check Availability Step with pre-filled values: https://be.synxis.com/hotel=12345&arrive=10/01/2008&depart=10/02/2008&adult=2



The values passed with a parameter must not contain the character ampersand '&', as the URL reads this character as the start of a new parameter.

For example, when passing the parameter of &rate in the URL to check the availability of a Bed and Breakfast rate plan, if the Rate Type Code were to be configured as 'B&B' in Rate Configuration, the rate would not display in the Availability step. Rather the rate code would need to be configured without the ampersand to be used in the URL linking to SynXis BE.

Starting Routes

These variables apply at the beginning of a URL to open your Booking Engine on a specific page. See the individual topic to learn how they apply.

Related Help Topic	Applies to
Add-ons Page - Starting Route	System use only
Availability Results - Starting Route	GET/POST Requests
Checkout Page - Starting Route	System use only
Confirmation Page - Starting Route	System use only
Landing Page - Starting Route	GET/POST Requests
Reset - Starting Route	GET/POST Requests
Sign-Up - Starting Route	GET/POST Requests
Signin - Starting Route	GET/POST Requests

Variables

The variables listed below apply in the URL to prefill field in the site to determine the details presented to guests.

Add-ons Page - Starting Route

Summary

Reference	Details
Variable	/addons Example: https://be.synxis.com/addons?hotel=14845&chain=6990& arrive=2016-12-25&depart=2016-12-26
Description	This route allows the site start at the Add-ons selection page. You must include <u>Hotel ID</u> with this variable. In addition, you can include <u>Chain ID</u> , CRO Code, <u>Arrival</u> and <u>Departure</u> date to open URL at Add Ons view where a consumer can review or edit packages and other options.

Channel/Application	Applies?	Details
SynXis CR Set Up (for any application)	Yes	Package Setup (<i>Setup > Packages > Package Setup</i>)
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Yes	This variable is applied by the system to apply a specific route to the starting page. This is not for customer use. Activate display of Add-on with Show Add Ons - General Settings. See Add-Ons - Labels to establish customized labels and translations for the Add-ons selection page.

Adult Count - URL Variable

Summary

Reference	Details
Variable	&adult= Example: (root URL)?Hotel=27563&Chain=10431&adult=3 To split party into individual room occupancies, separate with a comma: Example:(root URL)?Hotel=27563&Chain=10431&adult=2,1 (two in room one, one in room two)
	Follow this variable with a value for number of adults to automatically fill the number of adults for selected stay dates to use for checking availability. The availability results return based the number of adults provided. When this variable is not included, the default = 1.
Description	Guests can change the number of adults on the website. This variable automatically fills in the criteria calendar.
	Availability results take into account the number of adults provided. The consumer can change the number of dates on the website.

Channel/Application Details	Applies?	Details
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests.

For SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer &Child= can be used with the following start variables:
Add-ons - Start URL Variable
<u>Arrival Date - URL Variable</u>
Departure Date - URL Variable
Child Count - URL Variable

Alternate Destination - URL Variable

Summary	
Reference	Details
Variable	&Altdest=(destination code) Follow with the Destination code to supply the alternate destination that is searched if no availability is found for specified hotel, chain, or main destination. Example:(root URL)?Hotel=27563&Chain=10431&Altdest=East
Description	This variable sets the Alternate Destination used for the hotel list in the "alternate availability" functionality. It there is no hotel in the destination, than alternative destination is used.

Application Details

Channel/Application Details	Applies?	Details
SynXis CR Set Up (for all applications)	Y	To use this parameter, the following settings must be active for the chain/hotel in SynXis CR: Chain Uses Alternate Availability (<i>Administration</i> > <i>Chain - Chain Administration</i>). See SynXis CR Help topic - Alternate Availability - Set Up Establish the destination code and assign a property in Destinations (<i>Administration</i> > <i>Chain</i> > <i>Destinations</i>).
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer		Use this linking variable in GET/POST requests. Set Alternate Availability settings in Hotel - Settings (<i>Pages > Hotel Settings Alternate Availability Type</i> <i>- Hotel Settings</i>) Settings: Alt Availability Distance Limit - Hotel Settings Alt Availability Distance Limit Units - Hotel Settings Alternate Availability Sort Order - Hotel Settings Alternate Availability Type - Hotel Settings

Arrive Date - URL Variable

Summary

Reference	Details
Variable	&arrive= Follow with a date. When the Arrival (arrive) parameter is provided, the arrival date populates and displays in the check availability fields. Example:(root URL)?Hotel=27563&Chain=10431&arrive=08/24/2013 Pair <i>arrive=</i> parameter with <u>Depart</u> or <u>Nights</u> variable to perform a specific availability check. (When entering arrive= with no departure, system defaults to next day for departure.)
Description	The Arrival parameter defaults to today's date unless you define Arrival Lead Days When defined, the Arrival date defaults according to the Arrival Lead Days. For example, if the Arrival Lead Days is set to 3 and you generated the URL to the Availability Results step on 6/25/18, the arrival date defaults to 6/28/18 with a departure of 6/29/18.

Channel/Application Details	Applies?	Details
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests. When the Arrival (&arrive=) parameter is not provided, the date defaults to current date unless you define the "Arrival Lead Days."

Define in Arrival Lead Days - Calendar Settings in BE Designer.
Options to include in availability check with other variables:
Add-ons - Start URL Variable
Adult Count - URL Variable
Child Count - URL Variable
Depart Date - URL Variable

Availability Currency - URL Variable

Summary Details Reference &avcurrency= Follow with a currency code to add the Availability Currency so that all Variable pricing and currency values display in the currency provided with this parameter, throughout the site. Example:(root URL)?Hotel=27563&Chain=10431&avcurrency=EUR This variable is required to display rates established as Rate Specific Currency (RSC) in SynXis CR along with other rates that match the availability criteria. When &avcurrency= is included: • Rates configured to display in a currency other than the Description • hotel's Default Currency that match the included currency display. For example: • When a Rate Type (for example, ERCK - European Rack Rate) has been configured with the Rate Specific Currency of Euros in Rate Configuration and Euros is passed through the URL with the avcurrency

parameter, the rate (ERCK) displays in Euros in the availability results.	
 Rates not configured with a RSC display using the Hotel's Default Currency (as defined in <i>Administration</i> > Hotel > Hotel Maintenance) display. 	
 Rates configured with a RSC other than the hotel's Default Currency or the currency specified in the SynXis BE URL via the avcurrency parameter or other selection point, do not display as an available rate. 	
 However, if a currency is specified in the URL for which no rates have been configured to use as a Rate Specific Currency, the availability results displays only those rates configured to use the hotel's Default Currency as set in <i>Administration > Hotel > Hotel Maintenance</i>. 	
 When &avcurrency= is not included; only those rates configured in Setup > Rates > Rate Configuration to use the hotel's Default Currency display as available on the Availability Results Step. 	
When a hotel in Tokyo, Japan with a default currency of USD, has rates established in that default currency and other rates in the local currency (JYP); including &avcurrency=JPY in the URL, displays the USD rates and the JPY rates.	
JPY rates will always display in JYP even if guests change the selected currency in the site. USD rates are converted to the guests' selection since USD is the default currency.	

Channel/Application Details	Applies?	Details
SynXis CR Set Up (All applications)	Y	Establish the default currency for the property in: Basics (<i>Setup > Property > Property Info > Basics</i>) or

		 Hotel Maintenance - Property Information Tab (<i>Administration > Hotel > Hotel Maintenance</i>) Activate Rate Specific Currency in SynXis CR with Hotel Uses Rate Specific Currency - Hotel Maintenance Attribute (<i>Administration > Hotel > Hotel Maintenance - Hotel Maintenance</i>). Configure rates using Rate Specific Currency in SynXis CR in: Rate Configuration - Detail Tab (<i>Setup > Rates - Rate Configuration - Detail Tab</i>) Chain or Brand Rate Configuration - Detail Tab (<i>Setup > Rates - Chain or Brand Rate Configuration</i>)
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests.

Availability Results - Starting Route

Reference	Details
Variable	/
Description	 This variable starts the page at Availability Results as follows: Product results - When there is a Hotel parameter in the URL.

Hotel results - When these is a Chain parameter and no
Hotel parameter in the URL.

Channel/Application Details	Applies?	Details
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests.

Bed Type - URL Variable

Reference	Details
Variable	&BedType= Example https://be.synxis.com/?Hotel=27563&Chain=10431 &BedType=Q
Description	 When you pass this parameter followed by a valid bed type, the site displays only the specific products (room/rate combinations) with that bed type assigned that are available based upon the requested criteria. This variable is used when the property provides a predefind URL to guest to offer a room with specific details as included in the URL. This option can be combined with <u>BedType</u> and <u>Room Category</u>. You can include more than one Bed Type in the URL. Separate each Bed Type Code by a comma (,). The Room Type Code passed with the parameter must not
	 The Room Type Code passed with the parameter must not contain the special character ampersand '&', as the URL will read this as the start of a new parameter.

• You can combine <u>Room Category</u> , <u>BedType</u> , and <u>RoomView</u> to
provide a very specific offering.

Channel/Application Details	Applies?	Details
SynXis CR Set Up (for any application)	Y	Room Type - Detail Tab (Setup > Rooms > Room Types - Detail Tab) Chain or Brand Level Room Type - Detail Tab (Setup > Rooms > Chain or Brand Room Types - Detail Tab) Bulk Room Data Import (Setup > Data Import > Bulk Room Data Import)
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests.

Brand Code - URL Variable

Reference	Details
Variable	&Brand= Example:(root URL)?Hotel=27563 <mark>&Chain=104311&Brand=LUX</mark>
Description	Use this variable followed by a brand code to limit the availability check to include only hotels associated with that Brand. (The brand code is not case sensitive.) When Brand Code is used, <u>ChainID</u> is required.

If the Band Code is invalid or does not exist, the site displays hotels in the Chain based upon the Unavailable Hotels settings.
When more than one hotel is returned in the availability check, the Hotel List page displays all hotels within the brand that have availability based upon the criteria provided.

Channel/Application Details	Applies?	Details
SynXis CR Set Up (for any application)	Y	Use the Brand Code as configured in <i>Administration ></i> <i>Chain > Brands.</i> See Brand Code - Field.
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests.

Chain ID - URL Variable

Reference	Details
Variable	&Chain= Follow by a Chain ID Example:(root URL)?Chain=104311 & does not apply in this example because Chain is the first parameter.

	Use this option to select from the chains linked to this property.
	The booking engine defaults to the primary chain of the hotel for which you are logged into on SynXis CR.
Description	When no other variable is added, this value indicates only properties in the chain should be used in the availability display.
	If URL includes <u>HoteIID</u> in addition to Chain= , then the site displays the availability for only that hotel.

Channel/Application Details	Applies?	Details
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests. The setting determines which hotels display. For instance, if Unavailable Hotels = Available Only , then only hotels with availability for a specified date display.

Checkout Page - Starting Route

Reference	Details
Variable	/checkout https://be.synxis.com/checkout?hotel=14845&chain=6990

Description	This variable routes the URL to start at the Checkout page. This options should only be used as a redirection from a 3rd party payment service.
	HotelID must be included with this variable.

Channel/Application Details	Applies?	Details
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	This variable is applied by the system to apply a specific route to the starting page. This is not for customer use. See Checkout - Labels to establish labels.

Child Count - URL Variable

Summary	
Reference	Details
Variable	 &Child= Follow by a number of children to prefill the in the availability check for the selected stay dates. The availability results return based the number of children provided. When &Child= is not included, the default number of children = 0. Guests have the option to change the number of children within the site. Example: https://be.synxis.com/?chain=10431&child=3

	To split party into individual room occupancies, separate with a comma:
	Example: https://be.synxis.com/?hotel=27563&chain=10431&child=2,1 (two in room one, one in room two)
Description	Default when not included = 0.

Channel/Application Details	Applies?	Details
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests. Options to include in availability check with other variables: <u>ArriveDate</u> <u>DepartDate</u> <u>AdultCount</u> &Child= can be used with the following start variables: <u>Add-ons</u>

Configuration - URL Variable

Reference	Details
Variable	&configcode= Follow with the configuration code.

	https://be.synxis.com/?Hotel=64750&Chain=17851 &configcode=LUX	
	Use to .request a specific configuration displays for your site. This applies when you have multiple configurations active.	
Description	If that configuration code is unavailable or inactive, the site will display using the next level code above this request. For instance, if you include a hotel level theme and it is not available:	
	1. The Brand level default configuration displays.	
	 If Brand level is not available, the Chain level default configuration displays. 	
	 If Chain level is not available, the system will display an error response. 	

Channel/Application Details	Applies?	Details
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests.

Confirmation Page - Starting Route

Reference	Details
Variable	/confirm https://be.synxis.com/confirm?hotel=14845&chain=6990&arrive=2016- 12-25&depart=2016-12-26
Description	Use this variable to route the URL to start at the Confirmation Page. This options should only be used as a redirection from a 3rd party payment service.

Channel/Application Details	Applies?	Details
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	This variable is applied by the system to apply a specific route to the starting page. This is not for customer use.

Confirmation Number - URL Variable

Summary	
Reference	Details
Variable	&Confirm= Including <i>Confirm=</i> followed by a confirmation number automatically displays the specified reservation.
Description	See application specific details below for format and examples.

Channel/Application Details	Applies?	Details
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests When URL also includes &/Signin to link to the search reservation. Example: (root URL)?Hotel=27563&Chain=10431&/Signin&Confirm=27563SY000755 Related variables: Signin - Start URL Variable Email - URL Variable

Currency - URL Variable

Summary

Reference	Details
Variable	&Currency= Follow by a currency code to set the selected currency in the application. Example:(root URL?Hotel=27563&Chain=10431 <mark>&Currency=CAD</mark>
Description	Guests can change the currency at any time.

Application Details

Channel/Application Details	Applies?	Details
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests.

Date Format - URL Variable

Reference	Details
Variable	&dateformat=
Description	When &dateformat= is used, the site uses that information in the initial load and it applies as follows. This determines how dates must be entered for <u>ArriveDate</u> and <u>DepartDate</u> . The date format requirement varies based on the Locale.

• &dateformat=YYYY/MM/DD - Can apply regardless of locale
 &dateformat=MM.DD.YYYY - Applies when locale is included and it is =en-US
 &dateformat=DD-MM-YYYY - Applies when Locate is included and it does not = en-US
 &dateformat=YYYY\DD\MM - Must include &dateformat=
After reading and applying this variable and the stay dates in the URL, the URL form restrictions no longer apply.

Channel/Application Details	Applies?	Details
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests.

DepartDate - URL Variable

Reference	Details
Variable	&Depart= Including &Depart= followed by a departure date sets the date for the availability search. Example:(root URL)?Hotel=27563&Chain=10431&Arrive=08/24/2013&Depart=08/26/2 013
Description	If this parameter is not included and <u>&arrive</u> is used, by default the departure date populates with one day later than the arrival. Guests can change the arrival and/or departure date within the site.

When this parameter is not included when <u>&arrive</u> is not used, the site ignores depart date and loads default of tomorrow for departure date.)

This setting also controls Nights.

If locale or lang parameter is passed, then depart parameter must be in date format that matches locale. For example, German URL's must pass dates as DD.MM.YYYY and English-US URL's must pass dates as MM/DD/YYYY.

Enter dates based upon ISO 8601 Standards of Global Date formats.

Application Details

Channel/Application Details	Applies?	Details
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests. Options to include in availability check with other variables: <u>Arrive Date</u> <u>Adult Count</u> <u>Child Count</u>

Destination - URL Variable

Summary	
Reference	Details

Variable	&Dest= Use this optional setting followed by a Destination Code to include all the destinations to which the hotel is assigned. Example:(root URL)?Chain=10431 &Dest=West
Description	 The variable is not case sensitive. <u>Chain - URL Variable</u> is required with this variable. The selections include the all the destinations to which the hotel is assigned. Different destinations may have different styles, so the Dest parameter can change the look/feel of the booking engine. Including this value requires that either Hotel or Chain parameter (or both) are also part of the URL.

Channel/Application Details	Applies?	Details
SynXis CR Set Up (for any application)	Y	Destinations (<i>Administration > Chain</i> <i>> Destinations</i>) SynXis CR Help: Destinations - Set Up
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests. See BE Designer Help: Create a SynXis Booking Engine URL Manually.

Email - URL Variable

Summary

Reference	Details
Variable	&Email= Adding Email= followed by a valid email address pre-fills the Email Address field. Example:(root URL)?Hotel=27563&Chain=10431& Email=mollimack@gmail.com
Description	See application specific details below.

Application Details

Channel/Application Details	Applies?	Details
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests You can use <u>Signin</u> with Confim and Email parameters to pre populate the confirmation number and email address fields for reservation search. Example: (root URL)?Hotel=27563&Chain=10431/signin&Email= mollimack@gmail.com&Confirm=27563SY000755 Related Variables: <u>Confirm - Start URL Variable</u> <u>Signin - Start URL Variable</u>

Rate Filter Code - URL Variable

Summary

Reference	Details
Variable	&Filter= Adding filter= followed by a Rate Filter code pre-fills the Rate Type selection on the site and controls the availability calendar display. Example:(root URL)?Hotel=27563&Chain=10431 &Filter=PR
Description	 Additional restrictions: Passing filters - Limits availability to rates in those filters. Requiring filters - When none is selected or passed in the URL, no availability displays. Combining filters with other rate limiters (Example: when passing a rate and a filter in the URL, the rate has to be part of the filter to get any results)

Channel/Application Details	Applies?	Details
SynXis CR Set Up (for any application)	Y	Assign Rate Plans to Rate Filters: Chain Level: Rate Filters (Administration > Chain > Rate Filters) Hotel Level: Rate Level - In Setup > Rates > Rate Configuration, select the Rate Filter to which selected Rate Plan should apply. Filter Level - In Setup > Rates > Filter Assignment, select the Rate Plans for assignment to selected Rate Filter.

SynXis Booking Engine (SynXis BE) - Configured in	Y	Use this linking variable in GET/POST requests.
SynXis Booking Engine Designer		Filters - Settings (<i>Pages > Filters - Settings</i>)
		Filters - Labels (<i>Pages > Filters - Labels</i>)

Group Code- URL Variable

Summary

Reference	Details
Variable	&Group= Example:(root URL)?Hotel=27563&Chain=10431&Group=Red Hats
	Passing Group= followed by a group code pre-fills the Group Code field for use in the availability check.
Description	The Availability calendar displays results based upon the dates set for the group block.
	The consumer can remove or change the group code within the site.

Channel/Application Details	Applies?	Details
SynXis CR Set up	Group Configuration - Details Ta	
(All applications)		(Setup > Groups > Group Configuration)

Use this linking variable in GET/POST requests. This allows the consumer to select special group rates (similar to using a Promo Code).

Hotel ID - URL Variable

Summary

Reference	Details
Variable	&Hotel= Passing Hotel= followed by the Hotel ID displays availability for that hotel in the availability calendar. Example:(root URL) ?&Hotel=27563
Description	When the chain parameter and the hotel parameter are not in the link, the system displays the Hotel Default Chain. If <u>ChainID</u> is not included with this variable in the URL, the hotel default chain applies to the check availability search.

Channel/Application Details	Applies?	Details
SynXis CR Set Up (for any application)	Y	The hotel must be active and assigned to the booking engine channel.

SynXis Booking Engine (SynXis BE) -Configured in SynXis Booking Engine Designer

Y

Use this linking variable in GET/POST requests.

Hotel List - URL Variable

Summary

Reference	Details
Variable	&hotellist= Example:(root URL):?Hotel=27563&Chain=10431&hotellist=SF0
Description	Follow with the Hotel List Code. See details by application below. When the chain parameter and the hotel parameter are not in the link, the system displays the Hotel Default Chain.

Channel/Application Details	Applies?	Details
SynXis CR Set Up (for any application)	Y	Hotel Lists (Setup > Channels > Booking Engine - Hotel Lists)
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests. When hotellist is part of the URL, the site is pre-populated with the Destinations list on the Filter page. Use to check availability for the hotel based upon the hotels that belong

to destinations that are associated with the specified Hotel List.
The <u>Chain ID</u> must be included in the URL.

Landing Page - Starting Route

Summary

Reference	Details
Variable	/Landing Example: https://be.synxis.com/ <mark>Landing</mark> ?hotel=14845&chain=6990
Description	This variable to opens the site on a landing page that contains a search bar and background image. This page does not display during any booking flow. It is only available as a starting page through redirection from your site.

Application Details

Channel/Application Details	Applies?	Details
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests. Activate with Show Landing Page (Pages > General Settings)

Level - URL Variable

Reference	Details
Variable	&level= Example:(root URL):?Hotel=27563&Chain=10431&level=chain
Description	Use during linking to indicate the Chain theme or configuration level.

Channel/Application Details	Applies?	Details
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests.

Nights (Number of) - URL Variable

Reference	Details
Variable	Example: (root URL)?Hotel=27563&Chain=10431&Arrive=08/24/2013&Nights=5 Standard default number of nights = 1.
Description	Use &Nights= followed by a number to the number of nights from the <u>Arrive</u> to include in the availability check. Once the system applies this value, the site calculates and displays the parameter as a Depart date. Works with <u>arrive parameter</u> , when <u>depart parameter</u> is not included in URL.

	•	If <u>DepartDate</u>	is used,	&Nights=	is ignored.	
--	---	----------------------	----------	----------	-------------	--

Channel/Application Details	Applies?	Details
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests.

Promotional Code - URL Variable

Reference	Details
Variable	&Promo=(enter password here) Example:(root URL)?Hotel=27563&Chain=10431 <mark>&Promo=FALL</mark>
Description	 Automatically fills Promotional Code field and reflects in calendar. This applies for: Company Profiles - When the Company Profile Code is provided with the Promotion (promo) parameter, the Company Profile Code displays in the check availability sections. The availability check (and thus results) include only those rate plans associated to the Company Profile within SynXis CR. Promotions - Hotels use this to direct shoppers directly to a promotion. The URL can be shared in an advertising campaign or mailing. Group promotions - Hotels can provide the URL with this variable to potential group members to display the details that apply specifically to that group.

Application Details

Channel/Application Details	Applies?	Details
SynXis CR Set Up (for any application)	Y	Promotions (Setup > Rates > Promotions Company Profiles: (Manage > Profiles > Company Profiles - Company Profiles in SynXis Booking Engine section Company Profiles (Manage > Profiles > Company Profiles - Branch Setup Fields in SynXis Booking Engine section
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests.

Rate Code - URL Variable

Reference	Details
Variable	&Rate= Example https://be.synxis.com/?Hotel=27563&Chain=10431 &Rate=AAB,RACK
Description	When you pass &Rate= followed by a valid rate code, SynXis BE displays only the specific products associated with that Rate Code. When that rate is not available based upon the availability criteria, the site display a message You can include more than one rate code in the URL. Separate each code by a comma (,). Only those products requested in the URL that are available display.

The Rate Code passed with the parameter must not contain the
special character ampersand '&', as the URL will read this as the start
of a new parameter.

Application Details Applies? Details **Channel/Application Details** Establish rates and rate codes in the following SynXis CR pages. See the Help topic Code (Rate Code) - Rate Configuration Field for details. SynXis CR Set Up Rate Configuration - Detail Tab (Setup > Rates - Rate Configuration - Detail Tab) Υ (for any application) Chain or Brand Rate Configuration - Detail Tab (Setup > Rates - Chain or Brand Rate Configuration -Details Tab) Bulk Rate Data Import (Setup > Data Import > Bulk Rate Data Import) SynXis Booking Engine (SynXis Use this linking variable in GET/POST BE) - Configured in SynXis Υ requests. **Booking Engine Designer**

Reset - Starting Route

Reference	Details
Variable	/rest https://be.synxis.com/?chain=10237 /reset ?hotel=14845&chain=6990

Description	Use variable to start at the Password Reset Page when redirecting from the password reset link.
	HotelID must be included with this variable.

Channel/Application Details	Applies?	Details
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests.

Room Category - URL Variable

Reference	Details
Variable	&RoomCategory= Example https://be.synxis.com/?Hotel=27563&Chain=10431 &RoomCategory=SU
	When you pass this parameter followed by a Room Category code, the site displays only the specific products (room/rate combinations) that are assigned to that category that are available based upon the requested criteria.
Description	You can include more than one Room Category in the URL. Separate each code by a comma (,).
	The Room Category passed with the parameter must not contain the special character ampersand '&', as the URL will read this as the start of a new parameter.

This variable is used when the property provides a predefined URL to guest to offer a room with specific details as included in the URL.

You can combine <u>Room Category</u>, <u>Bed Type</u>, and <u>Room View</u> to provide a very specific offering.

Application Details

Channel/Application Details	Applies?	Details
SynXis CR Set Up (for any application)	Y	Setup > Rooms > Room Categories
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests.

Room Code - URL Variable

Reference	Details
Variable	&Room= Example:(root URL)?Hotel=27563&Chain=10431 <mark>&Room=KG,QU</mark>
Description	When you pass this parameter followed by a valid room code, SynXis BE displays only the specific products associated with that Room Type following an availability check. You can include more than one room code in the URL. Separate each room code with a comma (,). Only those products requested in the URL that are available display.

The room code passed with the parameter must not contain the special character ampersand '&', as the URL will read this as the start
of a new parameter.

Channel/Application Details	Applies?	Details
SynXis CR Set Up (for any application)	Y	Code - Room Types Chain or Brand Level Room Type - Detail Tab (<i>Setup > Rates - Chain or</i> <i>Brand Configuration - Detail Tab</i>) Room Type - Detail Tab (<i>Setup ></i> <i>Rooms > Room Types - Detail Tab</i>) Bulk Room Data Import (<i>Setup > Data</i> <i>Import > Bulk Room Data Import</i>)
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests.

RoomView - URL Variable

Summary	
Reference	Details
Variable	&RoomView= Example https://be.synxis.com/?Hotel=27563&Chain=10431 &RoomView=20766

	This variable is used when the property provides a predefind URL to guest to offer a room with specific details as included in the URL.		
	When you pass this parameter followed by a OTA Feature Code, the site displays only the specific products (room/rate combinations) with that bed type assigned that are available based upon the requested criteria.		
Description	• You can include more than one Room View in the URL. Separate each code by a comma (,).		
 The Room Type Code passed with the parameter must no contain the special character ampersand '&', as the URL this as the start of a new parameter. 			
	 You can combine <u>Room Category</u>, <u>BedType</u>, and <u>RoomV iew</u> to provide a very specific offering. 		

Channel/Application Details	Applies?	Details
SynXis CR (all applications)	Y	Setup > Rooms > Room Views
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests.

Rooms (Number of) - URL Variable

Summary				
Reference	Details			
Variable	&Rooms= Example https://be.synxis.com/?Hotel=27563&Chain=10431 &Rooms=2			

	This parameter is used to have multi room reservation setup this is parsed in the URL.
	For example, when: rooms=2 so the guest is allowed to book first room. Once the first room is selected, if addons are enabled, then the Add Ons page displays.
	Otherwise, the site returns to the availability results page back, so the guest can select the second room.
Decorintion	Once is complete, the checkout page displays.
Description	When using this option in the URL, guests can use adult=2,3 or adult=2 3. The / indicates the rooms are splint into two reservations.
	For example, rooms=3&adult=1,2,2&child=3,0,1 or rooms=3&adult=1 2 2&child=3 0 1
	Both options indicate: Three rooms, with one adult and three children in room1, two adults and zero children in room2, and two adults and 1 child in room 3., 2for room1 and 3 is for room2.
	Or, you could enter the child values as child=2,3 or child=2 3.

Channel/Application Details	Applies?	Details
SynXis CR Set Up (for any application)	Y	Allow Multi-Room Booking - Hotel Maintenance Attribute (<i>Administration</i> <i>> Hotel > Hotel Maintenance</i>)
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests.

Secondary Source Code (Sub Source) - URL Variable

Summary

/	
Reference	Details
Variable	&SRC= Example: (root URL)?Hotel=27563&Chain=10431 <mark>&SRC=789</mark>
Description	Passing a value with the SRC parameter tracks the secondary source code or sub source code for a reservation.

Application Details

Channel/Application Details	Applies?	Details
SynXis CR Set Up (for any application)	Y	Sub Source Codes (Administration > Chain > Sub Source Codes_
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests.

Sign-Up - Starting Route

Summary

Use this linking variable in GET/POST requests.

Reference	Details
Variable	/sign-up Example: https://ngba-test.synxis.com <mark>/sign-</mark> up?hotel=14845&chain=6990&arrive=2016-12-25&depart=2016-12-26

Description	Use this variable to route the URL to start at the Guest Sign Up page.
Description	HotelID must be included with this variable.

Channel/Application Details	Applies?	Details
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests.

Signin - Starting Route

Guilling

Reference	Details
Variable	/signin Example: https://be.synxis.com/signin?Hotel=27563&Chain=10431/signin&Email =mollimack@gmail.com&Confirm=27563SY000755
Description	 This routing variable allows the site display to begin at the Reservation Search Page. You can use it with <u>Confirmation Number - URL Variable</u> and <u>Email - URL Variable</u> to pre populate the confirmation number and email address fields for reservation search. When the values for both options are valid, the site automatically displays the reservation details as the opening page.

Channel/Application Details	Applies?	Details

SynXis Booking Engine (SynXis BE) -Configured in SynXis Booking Engine Designer Use this linking variable in GET/POST requests.

Theme - URL Variable

Summary

Reference	Details			
Variable	&Theme= Follow with the theme code.			
	https://be.synxis.com/?Hotel=64750&Chain=17851 <mark>&theme=LUX</mark>			
	Use to .request a specific theme displays for your site. This applies when you have multiple themes active.			
Description	If that theme code is unavailable or inactive, the site will display using the next level code above this request. For instance, if you include a hotel level theme and it is not available:			
	1. The Brand level default theme will display.			
	2. If Brand level is not available, the Chain level default theme will display.			
	 If Chain level is not available, the system will display an error response. 			

Y

Channel/Application Details	Applies?	Details
SynXis Booking Engine (SynXis BE) - Configured in SynXis Booking Engine Designer	Y	Use this linking variable in GET/POST requests.

Use Form Post Method to Connect to SynXis BE

Summary

As an alternative to sending form data parameters using a query string, SynXis BE allows you to send form data using the POST method to pass the same parameters listed in the "Error! Reference source not found." section of the Creating a URL Manually Help topic. There are a number of ways to perform a POST and it depends in large part on the programming language.

Encrypted HTTP Post

To activate, set the SSO Encryption key in Administration > Chain - Chain Administration. See <u>Shared SSO</u> <u>Key - Attribute</u> for details.

To increase security of the transmitted information beyond TLS (SSL) encryption, it is possible to have the HTTP post message encrypted. The BE accepts as encryption method the Advanced Encryption Standard (AES) with a dynamic initialization vector.

Method=POST

Although there are generally two main ways to pass information in a form (i.e., Method=Get and Method=Post), this section focuses on Method=Post because it is the more secure of the two.

The Form POST method is the more secure method to pass information in a form because the parameter details do not appear in the actual URL path when a result is returned. For example, if you enter the customer number and member number in a Form POST, the actual profile details will not appear appended to the URL string as they would with the traditional Method=Get query.

Booking Engine Entry Point

To allow users to log in into the SynXis Boing Engine using encrypted credentials, change the entry point to Booking Engine from Rez.aspx to SecureLogin.aspx.

For example a current booking engine URL looks like:

https://be.synxis.com/?hotel=123&arrive=03/12/2016&adult=2

This should be updated to:

https://be.synxis.com/securelogin.aspx?hotel= hotel=123&arrive=03/12/2016&adult=2

The booking engine URL must contain Hotel and/or Chain and all other parameters normally passed into the booking engine.

Form Post Format

The request to load the SynXis Booking Engine should be posted with a Form containing a single parameter named "Data". For example the form can look like this:

```
<form>
```

```
<input type="hidden" name="Data" value="..." />
```

</form>

Encryption

To encrypt the CRS Login ID (the text that gets concatenated to the Universal Time), use Base64 format with the AES encryption library. This encryption requires the **key**, **initialization vector** and **data to encrypt**.

Selection	Description
Кеу	The SSO Key as set in <i>Administration > Chain - Chain Administration.</i> See <u>Shared</u> <u>SSO Key - Attribute</u> in SynXis CR Help for details.
Initialization vector	The value for the "Data" parameter must be the "current date time" in Universal time (UTC), for example, 2016012210464200 followed by the "Encrypted CRS Login ID". Example of the value for the "Data" parameter: 2016012210464200 oWQP+JWXrCx5cnjpLjg8Hw
	The URL containing the "current date time" can only be accessed within ten minutes of the generation. If the log in occurs after that, the log in fails.
Data to Encrypt	The user CRS ID that will be logged in as a result of posting the form.

Secure Member Login with Form POST URL

To ensure customer information is secure, the following parameters can only be passed using the Form POST method:

- Custref The customer unique identifier (passed in /UniqueID in the profile interface). See <u>Custfref</u> -<u>URL Variable</u> in SynXis CR Help for details.
- Member -The customer member number: (passed in /CustLoyalty/@MembershipID in the profile interface)

As part of the member login process, if you pass both the Member parameter and the Custref parameter, both values must validate to successfully log in and access the profile.

Example POST

Below is an example of an HTML page that uses POST to send data to SynXis BE.

The HTML code uses JavaScript and includes built-in examples on how to use POST for various types of information including chain id, hotel id, start page, arrival date, departure date, customer unique identifier, and customer member numbers.

This HTML example is the most basic way of performing a POST. You can reuse the code in the example or use the example as a starting point, and then build onto the code, as needed.

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"</pre>
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
    <title>Http Post Using Javascript</title>
    <script language="javascript" type="text/javascript">
        function postwith(urlToPostTo, parametersToPost) {
            var myForm = document.createElement("form");
            myForm.method = "post";
            myForm.action = urlToPostTo;
            for (var parameter in parametersToPost) {
                var myInput = document.createElement("input");
                myInput.setAttribute("name", parameter);
                myInput.setAttribute("value", parametersToPost[parameter]);
                myForm.appendChild(myInput);
            }
            document.body.appendChild(myForm);
            myForm.submit();
            document.body.removeChild(myForm);
        }
   </script>
</head>
    <body>
        Click the link below to post the data using HTTP POST. <br/>
    The example below posts the chain, hotel and start page information to SynXis BE.
```

 $\langle br \rangle$

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```
Additional parameters can be added as needed. <br/>
        <a href="javascript:postwith('https://(URL for your
property)', {chain:'6955', hotel:'59605', start:'availresults'})">Use HTTP Post</a>
       <br/>
       For ex: If you want to post arrival date and departure dates also then modify
the link to include the additional data <br/>
       <a href="javascript:postwith('https://(URL for your
property)', {chain:'6955', hotel:'59605', start:'availresults', arrive:'4/5/2013', depart:'
4/6/2013' })">Use HTTP Post With Arrival and Departure Dates</a>
        <br/>
        <br/>
       Secure Member Login with Form Post <br/>
        <a href="javascript:postwith('https://(URL for your
property)', {chain:'6955', hotel:'59605', custref:'123456', member:'789456'})">Member
Login</a><br/>
    </body>
```

```
</html>
```

Language Support - SynXis BE

Summary

This Help topic provides information about how SynXis BE applies translated descriptions and a list of supported languages with their parameters for use with the URL.

You can translate many of the descriptions you define throughout SynXis CR.

Supported Languages

The languages listed below are available for display. This list includes the Lang and Locale parameters for use in the URLs connecting the guest to SynXis BE.

Language	Lang Parameter	Locale Parameter	Language	Lang Parameter	Locale Parameter
Arabic	31	ar-EG	Hungarian	19	hu-HU

Bahasa Indonesian	30	id-ID	Italian	5	it-IT
Bahasa Malaysian	29	ms-MY	Japanese	2	ja-JP
Chinese - Simplified	11	zh-CN	Korean	12	ko-KR
Chinese - Traditional	8	zh-TW	Norwegian	21	nn-NO
Croatian	14	hr-HR	Polish	25	tI-TL
Czech	23	cs-CS	Portuguese	10	pt-PT
Danish	16	da-DK	Russian	6	ru-RU
Dutch	9	nl-NL	Slovenian	15	sl-Sl
English - US	1	en-US	Spanish - Mexico	17	es-MX
English - GB	26	en-GB	Spanish - Spain	7	es-ES
Estonian	18	et-EE	Swedish	20	sv-SV
Finnish	22	fi-Fl	Thai	27	th-TH
French	3	fr-FR	Turkish	24	tr-TR
German	4	de-DE	Vietnamese	28	vi-VN
Greek	13	el-GR			

Areas for Translation

Following is the list of pages that contain fields or information you can translate into any of the supported languages configured for your hotel for use with SynXis BE and Mobile.

SynXis CR Page

Basics - Setup > Property > Property Info > Basics

Descriptions - Setup > Property > Property Info > Descriptions

Cancel Policies - Setup > Property > Policies > Cancel Policies

Customer Titles - Setup > Property > Property Info > Customer Titles

Email Setup - Setup > Messages > Email Setup

Features - Setup > Property > Features

General Messages - Setup > Messages > General Messages

Group Categories - Setup > Groups > Group Categories

Group Configuration - **Setup > Groups > Group Configuration**

Guarantee Policies - Setup > Property > Policies > Guarantee Policies

Hotel Maintenance

Label Setup - Setup > Channels > Booking Engine > Label Setup

Loyalty Programs - *Administration > Chain > Loyalty Programs*

Marketing Questionnaire - Setup > Channels > Booking Engine > Marketing Questionnaire

Meal Plans - Setup > Property > Meal Plans

Package Setup - Setup > Packages > Package Setup

Promotions - **Setup > Rates > Promotions**

Rate Categories - *Setup > Rates > Rate Categories*

Rate Configuration - Setup > Rates > Rate Configuration
Rate Filters - Administration > Chain > Rate Filters
Room Categories - Setup > Rooms > Room Categories
Room Features - Setup > Rooms > Room Features
Room Requests - Setup > Rooms > Room Requests
Room Types - Setup > Rooms > Room Types
Room Views - Setup > Rooms > Room Views
Transportation Setup - Setup > Property > Transportation Setup

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