## Sabre APIs

## https://developer.sabre.com/docs/read/HomeLine security

Line security is the layer that secures the data traveling on the line over the Internet between Sabre data centers and external systems.  Sabre APIs support point-to-point synchronous transport HTTPS using SSL with 128-bit encryption.

Clients that consume Sabre APIs must implement line security with a secure sockets layer, and they must secure the payloads with HTTPS.

## Authentication

Authentication is the layer that allows consuming applications access to Sabre APIs. The URL for consuming Sabre APIs and security credentials provides authentication. Security credentials are the wsse:Username, wsse:Password, Organization, and Domain elements present in the SOAP envelope in the request message of the SessionCreateRQ service. Application developers receive the values for these elements when they are set up to use Sabre APIs in production .

The Sabre infrastructure authenticates the requestor of the service or consuming client using the security credentials in the request.

An example of the wsse:Security node that shows the security credentials is shown below:

<wsse:Security xmlns:wsse="http://schemas.xmlsoap.org/ws/2002/12/secext" xmlns:wsu="http://schemas.xmlsoap.org/ws/2002/12/utility"> <wsse:UsernameToken> <wsse:Username>USERNAME</wsse:Username> <wsse:Password>PASSWORD</wsse:Password> <Organization>IPCC</Organization> <Domain>DEFAULT</Domain> </wsse:UsernameToken> </wsse:Security>

## Authorization

The authorization layer gives clients access to specific services or product packages.

When a client sends a request, the Sabre APIs infrastructure authorizes access to all services in the product packages to which an organization has subscribed.

## Confidentiality

The confidentiality layer maintains the privacy of the data in a payload during its transmission. Sabre APIs use HTTPS with 128-bit SSL encryption.

## SSL Certificate Renewal

SSL or Secure Socket Layer is the technology that creates an encrypted connection, and is absolutely critical if sensitive information such as credit card numbers or other personal information is transmitted. The SSL Certificate renewal is a routine procedure performed every 1-2 years and applies to all Sabre API HTTPS URLs. Please use the Resources link to access additional information.

Sabre Endpoints and URIs

[Authentication](https://developer.sabre.com/docs/read/rest_basics/authentication) request

POST /v2/auth/token

[Advanced Calendar Search API](https://developer.sabre.com/docs/rest_apis/air/search/advanced_calendar_search/)

POST /v1.9.5.1/shop/calendar/flights

[Aircraft Equipment Lookup API](https://developer.sabre.com/docs/rest_apis/air/utility/aircraft_equipment_lookup/)

GET /v1/lists/utilities/aircraft/equipment/

[Airline Alliance Lookup API](https://developer.sabre.com/docs/read/rest_apis/air/utility/airline_alliance_lookup/)

GET /v1/lists/utilities/airlines/alliances/

[Airline Lookup API](https://developer.sabre.com/docs/read/rest_apis/air/utility/airline_lookup/)

GET /v1/lists/utilities/airlines/

[Airports at Cities Lookup API](https://developer.sabre.com/docs/read/rest_apis/air/utility/airports_at_cities_lookup/)

GET /v1/lists/supported/cities/{city}/airports/

[Alternate Airport Shop API](https://developer.sabre.com/docs/read/rest_apis/air/search/bargain_finder_max/alternate_airport_shop)

POST /v1.9.5.1/shop/altairports/flights

[Alternate Date API](https://developer.sabre.com/docs/read/rest_apis/air/search/bargain_finder_max/alternate_dates)

POST /v1.9.5.1/shop/altdates/flights

[Bargain Finder Max API](https://developer.sabre.com/docs/read/rest_apis/air/search/bargain_finder_max)

POST /v1.9.5.1/shop/flights

[Car Availability API](https://developer.sabre.com/docs/read/rest_apis/ground/search/car_availability)

POST /v2.4.0/shop/cars

[City Pairs Lookup API](https://developer.sabre.com/docs/read/rest_apis/air/utility/city_pairs_lookup/)

GET /v1/lists/supported/shop/flights/origins-destinations

[Countries Lookup API](https://developer.sabre.com/docs/read/rest_apis/air/utility/countries_lookup)

GET /v1/lists/supported/countries

[Create Custom Theme API](https://developer.sabre.com/docs/read/rest_apis/air/utility/custom_theme)

POST /v1/lists/supported/shop/custom/themes

[Create Custom Response View API](https://developer.sabre.com/docs/rest_apis/utility/custom_response_view/)

POST /v1/lists/utilities/custom/views/

[Custom Response View Lookup API](https://developer.sabre.com/docs/rest_apis/utility/custom_response_view/)

GET /v1/lists/utilities/custom/views/

[Custom Response View Details Lookup API](https://developer.sabre.com/docs/rest_apis/utility/custom_response_view/)

GET /v1/lists/utilities/custom/views/{view}

[Custom Theme Airport Lookup API](https://developer.sabre.com/docs/read/rest_apis/air/utility/custom_theme)

GET /v1/lists/supported/shop/custom/themes/{theme}

[Custom Theme Lookup API](https://developer.sabre.com/docs/read/rest_apis/air/utility/custom_theme)

GET /v1/lists/supported/shop/custom/themes

[Delete Custom Response View API](https://developer.sabre.com/docs/rest_apis/utility/custom_response_view/)

DELETE /v1/lists/utilities/custom/views/{view}

[Delete Custom Theme API](https://developer.sabre.com/docs/read/rest_apis/air/utility/custom_theme)

DELETE /v1/lists/supported/shop/custom/themes/{theme}

[Destination Finder API](https://developer.sabre.com/docs/read/rest_apis/air/search/destination_finder/)

GET /v2/shop/flights/fares

[Fare Range API](https://developer.sabre.com/docs/rest_apis/air/intelligence/fare_range/)

GET /v1/historical/flights/fares

[InstaFlights Search API](https://developer.sabre.com/docs/read/rest_apis/air/search/instaflights_search/)

GET /v1/shop/flights

[Lead Price Calendar API](https://developer.sabre.com/docs/read/rest_apis/air/search/lead_price_calendar)

GET /v2/shop/flights/fares

[Low Fare Forecast API](https://developer.sabre.com/docs/read/rest_apis/air/intelligence/low_fare_forecast/)

GET /v2/forecast/flights/fares

[Low Fare History API](https://developer.sabre.com/docs/read/rest_apis/air/intelligence/low_fare_history)

GET /v1/historical/shop/flights/fares

[Multi-Airport City Lookup API](https://developer.sabre.com/docs/read/rest_apis/air/utility/multiairport_city_lookup/)

GET /v1/lists/supported/cities

[Point of Sale Country Code Lookup API](https://developer.sabre.com/docs/read/rest_apis/air/utility/point_of_sale_country_code_lookup)

GET /v1/lists/supported/pointofsalecountries

[Response View Lookup API](https://developer.sabre.com/docs/rest_apis/utility/response_view/)

GET /v1/lists/utilities/views

[Response View Details Lookup API](https://developer.sabre.com/docs/rest_apis/utility/response_view/)

GET /v1/lists/utilities/views/{view}

[Seat Map API](https://developer.sabre.com/docs/read/rest_apis/air/book/seat_map)

POST /v4.0.0/book/flights/seatmaps?mode=seatmaps

[Theme Airport Lookup API](https://developer.sabre.com/docs/read/rest_apis/air/utility/theme_airport_lookup/)

GET /v1/lists/supported/shop/themes/{theme}

[Top Destinations API](https://developer.sabre.com/docs/read/rest_apis/air/intelligence/top_destinations)

GET /v1/lists/top/destinations

[Travel Seasonality API](https://developer.sabre.com/docs/read/rest_apis/air/intelligence/travel_seasonality/)

GET /v1/historical/flights/{destination}/seasonality

[Travel Seasonality Airports Lookup API](https://developer.sabre.com/docs/read/rest_apis/air/utility/travel_seasonality_airports_lookup)

GET /v1/lists/supported/historical/seasonality/airports

[Travel Theme Lookup API](https://developer.sabre.com/docs/read/rest_apis/air/utility/travel_theme_lookup/)

GET /v1/lists/supported/shop/themes/

[Update Custom Response View API](https://developer.sabre.com/docs/rest_apis/utility/custom_response_view/)

PUT /v1/lists/utilities/custom/views/{view}

[Update Custom Theme API](https://developer.sabre.com/docs/read/rest_apis/air/utility/custom_theme)

PUT /v1/lists/supported/shop/custom/themes/{theme}

Method and URL example

GET https://api.sabre.com/v1/shop/flights/fares?origin=DFW&destination=ORD&lengthofstay=10 HTTP/1.1

* GET is the HTTP method
* The HTTP method is the verb (GET, POST, DELETE, etc.) that performs the action on the resource in the URI
* https://api.sabre.com is the base [URL](https://developer.sabre.com/docs/read/rest_basics/environments)
* v1 is the individual API release version
* shop/flights/fares is the API specific endpoint
* origin=DFW is an example of a request parameter (origin) with a value for that parameter (DFW)