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Build and Price Service

Features Endpoint How To

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Build and Price Service Features Endpoint How-To and Notes

For the Build and Price Service Feature endpoints here are some details needed to get started. A Postman collection should accompany this document as it will provide the related calls to the endpoints, requests and responses discussed below.

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Use cases:

1. Get a list of standard features for a vehicle id
2. Get a list of available features for a vehicle id
3. Get a net list of features for a configured vehicle id and a set of options

Each of these use cases follow the same format and only one parameter controls the different behavior, but other parameters may be required. The request body parameter that controls this behavior is the *mode* parameter.

The possible values for the mode parameter are: *std*, *avail* and *net* and vary for each of the above use cases and are further documented below. The other parameter are outlined in the next section.

Use case #1 – Standard Features

Sample Request Body:

```
{
  "countryCode": "US",
  "lngCode": "en",
  "mode": "std",
  "runAce": false,
  "runCriteriaAce": false,
  "customData": {
  },
  "vehicles": [
    {
      "vehicleId": "USD40FOT111A0",
      "effectiveDate": "",
      "optionList": []
    }
  ]
}
```

Response details:

The response will only return the features for that provided vehicle id that are standard on the vehicle. The optionCodes array in the response will always be empty.

Use case #2 – Available Features

Sample Request Body:

```
{
  "countryCode": "US",
  "lngCode": "en",
  "mode": "avail",
  "runAce": false,
  "runCriteriaAce": false,
  "customData": {
  },
  "vehicles": [
    {
      "vehicleId": "USD40FOT111A0",
```

```

        "effectiveDate": "",
        "optionList": []
    }
}
]
}

```

Response details:

The response will return all the possible features for the provided vehicle id that are potentially on the vehicle. For any features that are upgradeable/downgradeable the optionCodes array in the response will contain what options need to be selected for that feature to be enabled.

```

{
  "subSectionName": "Lumbar seats",
  "subSectionId": 1140,
  "features": [
    {
      "featureId": 13351,
      "featureValue": "Driver seat with power 2-way lumbar",
      "featureIdName": "Front seat lumbar",
      "featureCode": "Feature",
      "standardEquipment": false,
      "optionCodes": [
        "91P"
      ]
    }
  ]
},

```

This example indicates that to get the feature of “Driver seat with power 2-way lumbar” then option code 91P must be selected on this vehicle. Note: Use case #1 does not return this feature since it is not available as standard equipment.

Use case #3 – Net Features

Sample Request Body:

```

{
  "countryCode": "US",
  "lngCode": "en",
  "mode": "net",
  "runAce": false,
  "runCriteriaAce": false,
  "customData": {
  },
  "vehicles": [
    {
      "vehicleId": "USD40FOT111A0",
      "effectiveDate": "",
      "optionList": [<STRING ARRAY OF OPTION CODES>]
      "configState": "<CONFIG STATE STRING FROM CONFIG CALL>"
    }
  ]
}

```

Note: only one of the `optionList` or `configState` parameters can be passed.

Response details:

The response will return all features that are enabled based on the set of options provided in the request.

Additional parameter information:

The remaining request body parameters for the /features endpoint are:

Parameter	Description	Possible Values
countryCode	Country code of the vehicle being processed	US, CA
lngCode	Language code of the vehicle	en, es, fr
runAce	If allowed controls if the Automatically Equipped Engine (ACE) runs.	false, true
runCriteriaAce	If allowed controls if the Criteria ACE runs.	false, true
customData	Some scripts allow for custom data to be passed in and included in the response. Please work with your integration team on further details.	
vehicleId	Acode or Style Id for the vehicle that the feature list is to be returned for	
effectiveDate	The effective date for the provided vehicle id that you wish to have the data returned for. To always return the latest effective date pass in an empty string	
optionList	Array of option code strings that represent a vehicle configuration. Ex: "28R", "AD6", "ADH", "AEK"	
configState	Configuration state string returned from the configuration endpoints that represents vehicle configuration. Ex: " 101A,1,0,0,0,S,^425,1,0,0,0,S,^995,0,1,0,0,G,^44G,0,1,..."	