

[HTTP REQUEST]

HTTP/VERSION METHOD: URI:	
----- HEADERS key/value	
----- BODY	

-query param
-path param
-matrix param

For eg.. the client applications wants to send the product information aspart of the request body asking the server/resource to create a new product.

The product information is an single-field of value or is it an scalar data that comprises of multiple fields of data?
since it is an scalar data that contains multiple fields of information how does this information should be placed aspart of the request body and send it as an input to the resource, so that resource can process it?

#1. we could send this data aspart of the requestbody as an plain text format
240 liters 3 door lg fridge of samsung manufacturer 23000

even though the client application can send the data in a text format, the server/resource cannot understand or extracts the fields of data from it because the data is not parsable or extractable as there are not structure/ boundary or semantics of the data

here we cannot understand what is product name, manufacturer, price etc to create a new product in the system.

So always the data that is exchanged aspart of the request/response body should be structured and should have semantics attached to it. So we should use a data representation standards/formats like

1. xml
2. json
3. yaml

for exchanging the data

So if the client application is sending the data aspart of the req body in json format, how does the server/ resource application knows the client is sending the data in which format, so that he perform/use appropriate api in extracting the data and perform operation on it?
That is where the client application while sending the data aspart of the HttpRequest should specify the Content-Type header aspart of the request.