**Get Best Shipping Deal**

**from Offered by Shipping Provider Costs**

Gets shipping costs from multiple Shipping Providers in different response formats like JSON or XML and all shipping providers have specific api credentials detailed with URL, Api Key, API Secret to access provided third party shipping data.

| **Third Party Shipping Providers api Details** | | | | |
| --- | --- | --- | --- | --- |
| **S.No** | **Shipping Provider** | **API URL** | **RESPONSE TYPE** | **API Credential** |
| 1 | Aramex | <https://localhost:44329/api/Shipping/Aramex/GetCost.xml?pagesize=15> | XML | Key - \*\*\*\*  Secret - \*\*\*\* |
| 2 | BlueDart | <https://localhost:44329/api/Shipping/BlueDart/GetCost.json?pagesize=20> | JSON | Key - \*\*\*\*  Secret - \*\*\*\* |
| 3 | Delhivery | <https://localhost:44329/api/Shipping/Delhivery/GetCost.json?pagesize=20> | JSON | Key - \*\*\*\*  Secret - \*\*\*\* |
| 4 | DHL | <https://localhost:44329/api/Shipping/DHL/GetCost.xml?pagesize=15> | XML | Key - \*\*\*\*  Secret - \*\*\*\* |
| 5 | DTDC | <https://localhost:44329/api/Shipping/DTDC/GetCost.xml?pagesize=15> | XML | Key - \*\*\*\*  Secret - \*\*\*\* |
| 6 | Ecom | <https://localhost:44329/api/Shipping/Ecom/GetCost.json?pagesize=15> | JSON | Key - \*\*\*\*  Secret - \*\*\*\* |
| 7 | FedEx | <https://localhost:44329/api/Shipping/FedEx/GetCost.json?pagesize=15> | JSON | Key - \*\*\*\*  Secret - \*\*\*\* |
| 8 | GATI | <https://localhost:44329/api/Shipping/GATI/GetCost.xml?pagesize=15> | XML | Key - \*\*\*\*  Secret - \*\*\*\* |
| 9 | SafeExpress | <https://localhost:44329/api/Shipping/SafeExpress/GetCost.xml?pagesize=15> | XML | Key - \*\*\*\*  Secret - \*\*\*\* |

These are all api urls provided by third parties but for now as a POC we ***created URL*** for all providers via ***ASP.NET CORE WebAPI*** to generate sample data for fetching best deals from this source.

**ASP.NET CORE WebAPI**

We have created some *restful web api to demonstrate POC of best deal finder from multiple offers provided by shipping providers*.

| **Shipping API Details with GET Methods** | | |
| --- | --- | --- |
| **API Name** | **URL** | **Description** |
| GetCost | <https://localhost:44329/api/Shipping/DHL/GetCost.xml?pagesize=15> | Fetch Sample data for Shipping Provider.  Parameters :  1. ShippingProviderName in routes  2. PageSize- No of records |
| GetShippingCost | <https://localhost:44329/api/shipping/getshippingcost> | Fetch shipping cost from all providers. |
| GetBestDeal | <https://localhost:44329/api/shipping/getbestdeal> | Fetch calculated the best deal from all provider costs. |

Note:

1. Local Host will be replaced with domain name where application is hosted.
2. Every time when I try to fetch **BestShippingDeal** then it shows a different amount but will be the minimum amount.
3. Q. Why show a different amount every time?.  
   Ans. Because we are generating sample random data for shipping providers so the amount getting min cost from generated data.

| **API Response Screenshots** | | |
| --- | --- | --- |
| Aramex Shipping Provider **gets cost** response in **XML** format. | API URL | <https://localhost:44329/api/Shipping/Aramex/GetCost.xml?pagesize=10> |
| Screenshot URL | <https://prnt.sc/1hgn6r8> |
| BlueDart Shipping Provider **gets cost** response in **JSON** format. | API URL | <https://localhost:44329/api/Shipping/BlueDart/GetCost.json?pagesize=10> |
| Screenshot URL | <https://prnt.sc/1hgryn1> |
| **Get shipping cost** from all shipping providers. | Screenshot URL | <https://localhost:44329/api/shipping/getshippingcost> |
| API URL | <https://prnt.sc/1hgtm7g> |
| **Get Best Deal** from Shipping Providers | Screenshot URL | <https://localhost:44329/api/shipping/getbestdeal> |
| API URL | <https://prnt.sc/1hh6ts0> |