**Transactions**

Transactions is one of the main entities in application – its API controller represents CRUD functionality for goods moving activity.

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| **/api/Transactions** | |
| DESCRIPTION | Gets the list of current Users transactions |
| URL STRUCTURE | /api/Transactions |
| METHOD | GET |
| PARAMETERS | API supports OData client-side paging. First of all, works orderby & direction. Skip&top – at the end.  [FromURI]  name: orderby, type: String?. Sets the column sort order for query.  name: direction, type: String?. Sets the direction sort for query. Default: asc. Available: desc.  name: skip, type: int?. Comes in pair with top. Sets number of skipped elements in query for return.  name: top, type: int?. Sets number of displayed elements in query for return.  [FromBody]  - |
| RETURNS | type: JSON-encoded List<Transactions>. Returns list of all requested entities, available to this User. Sample response: [{"TranactionType":{"Id":2,"Name":"Order"},"Users":{"Email":"1@2.com","UserName":"1@2.com","Id":1},"Description":"555", "TranactionTypeId":2, "UserId":1,"Date":"2016-06-05T19:37:30","Id":10023}, {"TranactionType":{"Id":1, "Name":"Supply"}, "Users":{"Email":"1@2.com", "UserName":"1@2.com", "Id":1}, "Description":"666", "TranactionTypeId":1, "UserId":1,"Date":"2016-06-03T19:01:44","Id":10017}] |
| ERRORS | 400 – Not valid parameters (OData, JSON)  401 – User is not authorized  500 – Error at work with DB |

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| **/api/Transactions/id** | |
| DESCRIPTION | Gets one exact entity of Transaction of logged User, according availability for logged user role |
| URL STRUCTURE | [/api/Transactions/id](http://localhost/EFlocal/api/Transactions/id) |
| METHOD | GET |
| PARAMETERS | [FromURI]  name: Id, type: int. Represents Id of targeted entity  [FromBody]  - |
| RETURNS | type: JSON. One entity if it`s available to this User. Sample response: [{"TranactionType":{"Id":2,"Name":"Order"},"Users":{"Email":"1@2.com","UserName":"1@2.com","Id":1},"Description":"555 & ViewBags & DropDownList", "TranactionTypeId":2, "UserId":1,"Date":"2016-06-05T19:37:30","Id":10023}] |
| ERRORS | 400 – Not valid parameters (Id, OData)  401 – User is not authorized  500 – Error at work with DB |

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| **/api/Transactions/All** | |
| DESCRIPTION | This action is available only for administrators. Gets full list of Transactions. |
| URL STRUCTURE | /api/Transactions/All |
| METHOD | GET |
| PARAMETERS | [FromURI]  name: orderby, type: String?. Sets the column sort order for query.  name: direction, type: String?. Sets the direction sort for query. Default: asc. Available: desc.  name: skip, type: int?. Comes in pair with top. Sets number of skipped elements in query for return.  name: top, type: int?. Sets number of displayed elements in query for return.  [FromBody]  - |
| RETURNS | type: JSON. List of Transactions. Sample of response – same as : /api/Transactions (GET). |
| ERRORS | 400 – Not valid parameters (OData,)  401 – User is not authorized  500 – Error at work with DB |

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| **/api/Transactions** | |
| DESCRIPTION | Sends new entity of Transactions to DB, according availability for logged user role |
| URL STRUCTURE | /api/Transactions |
| METHOD | POST |
| PARAMETERS | [FromURI]  -  [FromBody]  name: transaction, type: JSON-encoded <TransactionDTO>. One requested entity. Sample: [{"Description":"555", "TranactionTypeId":2, "UserId":1, "Date":"2016-06-05T19:37:30", "Id":10023}] |
| RETURNS | HTTP code 200 - at successful insert in DB,  HTTP code 500 - at fail. |
| ERRORS | 400 – Not valid parameters (JSON)  401 – User is not authorized  500 – Error at work with DB |

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| **/api/Transactions/id** | |
| DESCRIPTION | Deletes one exact entity of Transactions in DB, according availability for logged user role |
| URL STRUCTURE | [/api/Transactions/id](http://localhost/EFlocal/api/Transactions/id) |
| METHOD | DELETE |
| PARAMETERS | [FromURI]  name: Id, type: int. Represents Id of targeted entity  [FromBody]  - |
| RETURNS | HTTP code 200 - at successful insert in DB,  HTTP code 500 - at fail. |
| ERRORS | 400 – Not valid parameters (Id, JSON)  401 – User is not authorized  500 – Error at work with DB |

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| **/api/Transactions** | |
| DESCRIPTION | Updates one exact entity of Transactions in DB, according availability for logged user role |
| URL STRUCTURE | [/api/Transactions](http://localhost/EFlocal/api/Transactions) |
| METHOD | PUT |
| PARAMETERS | [FromURI]  -  [FromBody]  name: transaction, type: JSON-encoded TransactionDTO. One entity of updated entity. Sample: same as /api/Transactions (POST). |
| RETURNS | HTTP code 200 - at successful insert in DB,  HTTP code 500 - at fail. |
| ERRORS | 400 – Not valid parameters (JSON)  401 – User is not authorized  500 – Error at work with DB |