kpiWebMvc

Contents

Chapter 1

Namespace Index

1.1   Namespace List

Here is a list of all documented namespaces with brief descriptions:

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

Chapter 3

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

Chapter 4

Namespace Documentation

4.1 kpiMvcApi Namespace Reference

Namespaces

- namespace Controllers

    Implementiert die Controller der Dashboard Api

Classes

- class Global
- class RouteConfig

    Configuratuion für die Website
- class **WebApiConfig**

    Konfiguration für die WebApi

4.2 kpiMvcApi.Controllers Namespace Reference

Implementiert die Controller der Dashboard Api

Classes

- class ExportController

    Der Exportkontroller stellt den alle Dienste zur exportierung von Files zur Verfügung.
- class HomeController

    Webseite Controller Setllt die Views und die Partaialviews bereit
- class KpidataController

    This Controller contains all API GET POST PUT DELETE methods

4.2.1 Detailed Description

Implementiert die Controller der Dashboard Api

Implemts all REST API Controllers

4.3 kpiMvcApi.DataTransferObjects Namespace Reference

Classes

- class DataDto

    Parent Class for all Data Transfer Objects
- class DataDtoRs

    Parent class for all recordsets
- class DeliveryDataDto

    Represents the dekivery data model Transfers the data between the WebFrontend and the Database Backend
- class DeliveryDataDtoRs

    This Recordset stores a List of Delivery Data transfer objects It prowides all Methods to read, write, update and delete data from databse It provides Methods to get HTML data for the frontend
- class KvpDataDto

    Represents the Kvp data model Transfers the data between the WebFrontend and the Database Backend
- class KvpDataDtoRs

    This Recordset stores a List of Kvap Data transfer objects It prowides all Methods to read, write, update and delete data from databse It provides Methods to get HTML data for the frontend
- class ProductionDataDto

    Represents the Production data model Transfers the data between the WebFrontend and the Database Backend
- class ProductionDataDtoRs

    This Recordset stores a List of ProductionData Data transfer objects It prowides all Methods to read, write, update and delete data from databse It provides Methods to get HTML data for the frontend

4.4 kpiMvcApi.Models Namespace Reference

Classes

- class eCountry
- class eDelivery
- class eKvp
- class eKvpClass
- class eKvpState
- class ePcbClass
- class ePcbDaily
- class ePcbGeneration
- class kpidbEntities1

Chapter 5

Class Documentation

5.1 kpiMvcApi.DataTransferObjects.DataDto Class Reference

Parent Class for all Data Transfer Objects

Inheritance diagram for kpiMvcApi.DataTransferObjects.DataDto:
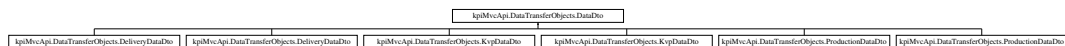
5.1.1 Detailed Description

Parent Class for all Data Transfer Objects

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/DataTransfer←
  Objects/DataDto.cs

5.2 kpiMvcApi.DataTransferObjects.DataDtoRs Class Reference

Parent class for all recordsets

Inheritance diagram for kpiMvcApi.DataTransferObjects.DataDtoRs:
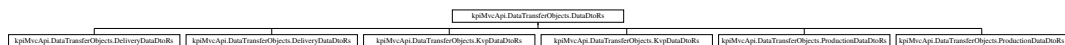
5.2.1 Detailed Description

Parent class for all recordsets

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/DataTransfer←
  Objects/DataDtoRs.cs

5.3 kpiMvcApi.DataTransferObjects.DeliveryDataDto Class Reference

Represents the dekivery data model Transfers the data between the WebFrontend and the Database Backend

Inheritance diagram for kpiMvcApi.DataTransferObjects.DeliveryDataDto:

kpiMvcApi.DataTransferObjects.DataDto	kpiMvcApi.DataTransferObjects.DataDto

kpiMvcApi.DataTransferObjects.DeliveryDataDto
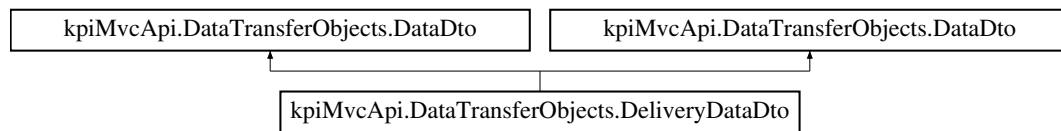
Properties

- int DeliveryId [get, set]

    The Database Kvp Id
- DateTime OrderDate [get, set]

    The Date the Pcbs were ordered
- int OrderedPc [get, set]

    The Sum of Pcbs that was ordered
- int DeliveredPc [get, set]

    The Deliverd Pcbs for this order
- int NotdeliveredPc [get, set]

    The not deliverd Pcb's for this Orders
- float NotdeliveredRel [get, set]

    The not deliverd Pcb's for this Orders in %
- int CountryId [get, set]

    The Destination Country Id
- string CountryName [get, set]

    The Destination Country Name countryId countryName <list type="bullet" | "number" | "table"> 0 generic 1 Switzerland 2 France 3 USA 4 India 5 China 6 Brasil

5.3.1 Detailed Description

Represents the dekivery data model Transfers the data between the WebFrontend and the Database Backend

5.3.2 Property Documentation

5.3.2.1 CountryId

```
int kpiMvcApi.DataTransferObjects.DeliveryDataDto.CountryId  [get], [set]
```

The Destination Country Id

5.3.2.2 CountryName

```
string kpiMvcApi.DataTransferObjects.DeliveryDataDto.CountryName [get], [set]
```

The Destination Country Name countryId countryName <list type="bullet" | "number" | "table"> 0 generic 1 Switzerland 2 France 3 USA 4 India 5 China 6 Brasil

5.3.2.3 DeliveredPc

```
int kpiMvcApi.DataTransferObjects.DeliveryDataDto.DeliveredPc [get], [set]
```

The Deliverd Pcbs for this order

5.3.2.4 DeliveryId

```
int kpiMvcApi.DataTransferObjects.DeliveryDataDto.DeliveryId [get], [set]
```

The Database Kvp Id

5.3.2.5 NotdeliveredPc

```
int kpiMvcApi.DataTransferObjects.DeliveryDataDto.NotdeliveredPc [get], [set]
```

The not deliverd Pcb's for this Orders

5.3.2.6 NotdeliveredRel

```
float kpiMvcApi.DataTransferObjects.DeliveryDataDto.NotdeliveredRel [get], [set]
```

The not deliverd Pcb's for this Orders in %

5.3.2.7 OrderDate

```
DateTime kpiMvcApi.DataTransferObjects.DeliveryDataDto.OrderDate [get], [set]
```

The Date the Pcbs were ordered

5.3.2.8 OrderedPc

```
int kpiMvcApi.DataTransferObjects.DeliveryDataDto.OrderedPc  [get], [set]
```

The Sum of Pcbs that was ordered

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/DataTransfer↩
  Objects/DeliveryDataDto.cs

5.4 kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs Class Reference

This Recordset stores a List of Delivery Data transfer objects It prowides all Methods to read, write, update and delete data from databse It provides Methods to get HTML data for the frontend

Inheritance diagram for kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs:

```
┌─────────────────────────────────────────┐   ┌─────────────────────────────────────────┐
│ kpiMvcApi.DataTransferObjects.DataDtoRs  │   │ kpiMvcApi.DataTransferObjects.DataDtoRs  │
└─────────────────────────────────────────┘   └─────────────────────────────────────────┘
                        ▲                                        ▲
                        └──────────────────┬─────────────────────┘
                        ┌───────────────────────────────────────────────┐
                        │ kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs │
                        └───────────────────────────────────────────────┘
```

Public Types

- enum [dataset](#) {
  Datalabels = 0, **dataset1**, **dataset2**, **Datalabels** = 0,
  dataset1, **dataset2** }

  Containing the available diagramm data val == 0 => x axis, val > 0 => y axis
- enum [charttype](#) { **DeliveryDaily** = 0, **DeliveryCountry**, **DeliveryDaily** = 0, **DeliveryCountry** }

  Containing zhe available diagramm types
- enum [dataset](#) {
  Datalabels = 0, **dataset1**, **dataset2**, **Datalabels** = 0,
  dataset1, **dataset2** }

  Containing the available diagramm data val == 0 => x axis, val > 0 => y axis
- enum [charttype](#) { **DeliveryDaily** = 0, **DeliveryCountry**, **DeliveryDaily** = 0, **DeliveryCountry** }

  Containing zhe available diagramm types

Public Member Functions

- [DeliveryDataDtoRs](#) ()

  Constructor loads the default data from 1.1.18 till today
- [DeliveryDataDtoRs](#) (int id)

  Constructor loads the specified id
- [DeliveryDataDtoRs](#) (DateTime startdate, DateTime stopdate)

  Constructor loads with the specified daterange
- void [loadData](#) ()

  loads the default data from 1.1.18 till today stores in object *[DeliveryDataDtoRs](#)*

- void loadData (int id)

    loads the specified dataset id stores in object `DeliveryDataDtoRs`
- void loadData (DateTime startdate, DateTime stopdate)

    Constructor loads with the specified daterange stores in object `DeliveryDataDtoRs`
- List< DeliveryDataDto > getData ()

    Get all Data from `DeliveryDataDtoRs`
- bool setData (List< DeliveryDataDto > deldto)

    Adds Kvp Data into the database Generates new id for each dataset
- string getDataset (charttype charttype, dataset datset, string filter)

    Produces Datastrings for the html / chart.js charts
- List< DeliveryDataDto > getDeliveryList ()

    Returns the delivery label
- string **getDatasetLabel** (charttype charttype, dataset dataset)
- string **getDatsetBackroundColor** ()
- string **getChartTitle** (charttype charttype)
- int **getChartBorderWidth** ()
- DeliveryDataDtoRs ()

    Constructor loads the default data from 1.1.18 till today
- DeliveryDataDtoRs (int id)

    Constructor loads the specified id
- DeliveryDataDtoRs (DateTime startdate, DateTime stopdate)

    Constructor loads with the specified daterange
- void loadData ()

    loads the default data from 1.1.18 till today stores in object `DeliveryDataDtoRs`
- void loadData (int id)

    loads the specified dataset id stores in object `DeliveryDataDtoRs`
- void loadData (DateTime startdate, DateTime stopdate)

    Constructor loads with the specified daterange stores in object `DeliveryDataDtoRs`
- List< DeliveryDataDto > getData ()

    Get all Data from `DeliveryDataDtoRs`
- bool setData (List< DeliveryDataDto > deldto)

    Adds Kvp Data into the database Generates new id for each dataset
- string getDataset (charttype charttype, dataset datset, string filter)

    Produces Datastrings for the html / chart.js charts
- List< DeliveryDataDto > getDeliveryList ()

    Returns the delivery label
- string **getDatasetLabel** (charttype charttype, dataset dataset)
- string **getDatsetBackroundColor** ()
- string **getChartTitle** (charttype charttype)
- int **getChartBorderWidth** ()

Properties

- List< DeliveryDataDto > DeliveryDataRs `[get, set]`

    A List of Delivery Data transfer Objects This List is loaded at construction and reprsent the actual Dataset

5.4.1 Detailed Description

This Recordset stores a List of Delivery Data transfer objects It prowides all Methods to read, write, update and delete data from databse It provides Methods to get HTML data for the frontend

5.4.2 Member Enumeration Documentation

5.4.2.1 charttype [1/2]

enum kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.charttype [strong]

Containing zhe available diagramm types

5.4.2.2 charttype [2/2]

enum kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.charttype [strong]

Containing zhe available diagramm types

5.4.2.3 dataset [1/2]

enum kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.dataset [strong]

Containing the available diagramm data val == 0 => x axis, val > 0 => y axis

5.4.2.4 dataset [2/2]

enum kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.dataset [strong]

Containing the available diagramm data val == 0 => x axis, val > 0 => y axis

5.4.3 Constructor & Destructor Documentation

5.4.3.1 DeliveryDataDtoRs() [1/6]

kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.DeliveryDataDtoRs ( ) [inline]

Constructor loads the default data from 1.1.18 till today

5.4.3.2 DeliveryDataDtoRs() [2/6]

kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.DeliveryDataDtoRs (
            int *id*) [inline]

Constructor loads the specified id

Parameters

id	id of requested dataset

5.4.3.3 DeliveryDataDtoRs() [3/6]

```
kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.DeliveryDataDtoRs (
            DateTime startdate,
            DateTime stopdate )  [inline]
```

Constructor loads with the specified daterange

Parameters

startdate	dataset start date (including)
stopdate	dataset stop date (including)

5.4.3.4 DeliveryDataDtoRs() [4/6]

```
kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.DeliveryDataDtoRs ( )  [inline]
```

Constructor loads the default data from 1.1.18 till today

5.4.3.5 DeliveryDataDtoRs() [5/6]

```
kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.DeliveryDataDtoRs (
            int id )  [inline]
```

Constructor loads the specified id

Parameters

id	id of requested dataset

5.4.3.6 DeliveryDataDtoRs() [6/6]

```
kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.DeliveryDataDtoRs (
            DateTime startdate,
            DateTime stopdate )  [inline]
```

Constructor loads with the specified daterange

Parameters

startdate	dataset start date (including)
stopdate	dataset stop date (including)

5.4.4 Member Function Documentation

5.4.4.1 getData() [1/2]

```
List<DeliveryDataDto> kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.getData ( )  [inline]
```

Get all Data from DeliveryDataDtoRs

Returns

> List DeliveryDataDtoRs A list with in this object loaded production data

5.4.4.2 getData() [2/2]

```
List<DeliveryDataDto> kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.getData ( )  [inline]
```

Get all Data from DeliveryDataDtoRs

Returns

> List DeliveryDataDtoRs A list with in this object loaded production data

5.4.4.3 getDataset() [1/2]

```
string kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.getDataset (
            charttype charttype,
            dataset datset,
            string filter )  [inline]
```

Produces Datastrings for the html / chart.js charts

Parameters

charttype	
datset	
filter	"y" year, "M" month, "d" day

Returns

> `string HTML.Raw Datastring` string for direct implementation in html.raw() view

5.4.4.4 getDataset() `[2/2]`

```
string kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.getDataset (
            charttype charttype,
            dataset datset,
            string filter )  [inline]
```

Produces Datastrings for the html / chart.js charts

Parameters

charttype	
datset	
filter	"y" year, "M" month, "d" day

Returns

> `string HTML.Raw Datastring` string for direct implementation in html.raw() view

5.4.4.5 getDeliveryList() `[1/2]`

```
List<DeliveryDataDto> kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.getDeliveryList ( )
[inline]
```

Returns the delivery label

Returns

> string containing the Chartlabel text

5.4.4.6 getDeliveryList() `[2/2]`

```
List<DeliveryDataDto> kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.getDeliveryList ( )
[inline]
```

Returns the delivery label

Returns

> string containing the Chartlabel text

5.4.4.7 loadData() [1/6]

```
void kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.loadData ( )  [inline]
```

loads the default data from 1.1.18 till today stores in object `DeliveryDataDtoRs`

5.4.4.8 loadData() [2/6]

```
void kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.loadData ( )  [inline]
```

loads the default data from 1.1.18 till today stores in object `DeliveryDataDtoRs`

5.4.4.9 loadData() [3/6]

```
void kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.loadData (
            int id )  [inline]
```

loads the specified dataset id stores in object `DeliveryDataDtoRs`

Parameters

id	id of requested dataset

5.4.4.10 loadData() [4/6]

```
void kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.loadData (
            int id )  [inline]
```

loads the specified dataset id stores in object `DeliveryDataDtoRs`

Parameters

id	id of requested dataset

5.4.4.11 loadData() [5/6]

```
void kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.loadData (
            DateTime startdate,
            DateTime stopdate )  [inline]
```

Constructor loads with the specified daterange stores in object `DeliveryDataDtoRs`

Parameters

startdate	dataset start date (including)
stopdate	dataset stop date (including)

5.4.4.12 loadData() [6/6]

```
void kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.loadData (
            DateTime startdate,
            DateTime stopdate ) [inline]
```

Constructor loads with the specified daterange stores in object `DeliveryDataDtoRs`

Parameters

startdate	dataset start date (including)
stopdate	dataset stop date (including)

5.4.4.13 setData() [1/2]

```
bool kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.setData (
            List< DeliveryDataDto > deldto ) [inline]
```

Adds Kvp Data into the database Generates new id for each dataset

Parameters

deldto	List `DeliveryDataDtoRs` a list of Kvp data data transfer object

Returns

booo success

5.4.4.14 setData() [2/2]

```
bool kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.setData (
            List< DeliveryDataDto > deldto ) [inline]
```

Adds Kvp Data into the database Generates new id for each dataset

Parameters

deldto	List `DeliveryDataDtoRs` a list of Kvp data data transfer object

Returns

> `booo` success

5.4.5 Property Documentation

5.4.5.1 DeliveryDataRs

List< `DeliveryDataDto` > kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.DeliveryDataRs `[get]`, `[set]`

A List of Delivery Data transfer Objects This List is loaded at construction and reprsent the actual Dataset

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/DataTransfer←
  Objects/DeliveryDataDtoRs.cs

5.5 kpiMvcApi.Models.eCountry Class Reference

Properties

- int **countryId** `[get, set]`
- string **countryName** `[get, set]`
- virtual ICollection< `eDelivery` > **eDeliveries** `[get, set]`

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Models/eCountry.cs

5.6 kpiMvcApi.Models.eDelivery Class Reference

Properties

- int **deliveryId** `[get, set]`
- System.DateTime **orderDate** `[get, set]`
- int **orderedPc** `[get, set]`
- int **deliveredPc** `[get, set]`
- int **countryId** `[get, set]`
- virtual `eCountry` **eCountry** `[get, set]`

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Models/eDelivery.cs

5.7 kpiMvcApi.Models.eKvp Class Reference

Properties

- int **kvpId** `[get, set]`
- string **kvpName** `[get, set]`
- System.DateTime **kvpDate** `[get, set]`
- int **kvpClassId** `[get, set]`
- int **kvpStateId** `[get, set]`
- virtual eKvpClass **eKvpClass** `[get, set]`
- virtual eKvpState **eKvpState** `[get, set]`

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Models/eKvp.cs

5.8 kpiMvcApi.Models.eKvpClass Class Reference

Properties

- int **kvpClassId** `[get, set]`
- string **kvpClassName** `[get, set]`
- virtual ICollection< eKvp > **eKvps** `[get, set]`

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Models/eKvpClass.cs

5.9 kpiMvcApi.Models.eKvpState Class Reference

Properties

- int **kvpStateId** `[get, set]`
- string **kvpStateName** `[get, set]`
- virtual ICollection< eKvp > **eKvps** `[get, set]`

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Models/eKvpState.cs

5.10 kpiMvcApi.Models.ePcbClass Class Reference

Properties

- int **pcbClassId** `[get, set]`
- string **ClassName** `[get, set]`
- virtual ICollection< ePcbDaily > **ePcbDailies** `[get, set]`

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Models/ePcbClass.cs

5.11 kpiMvcApi.Models.ePcbDaily Class Reference

Properties

- int **pcbDailyId** `[get, set]`
- System.DateTime **productionDay** `[get, set]`
- int **pcbQuantity** `[get, set]`
- decimal **pcbSumPrice** `[get, set]`
- int **pcbGenerationId** `[get, set]`
- int **pcbClassId** `[get, set]`
- virtual ePcbClass **ePcbClass** `[get, set]`
- virtual ePcbGeneration **ePcbGeneration** `[get, set]`

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Models/ePcbDaily.cs

5.12 kpiMvcApi.Models.ePcbGeneration Class Reference

Properties

- int **pcbGenerationId** `[get, set]`
- string **genName** `[get, set]`
- virtual ICollection< ePcbDaily > **ePcbDailies** `[get, set]`

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Models/ePcb←
  Generation.cs

5.13 kpiMvcApi.Controllers.ExportController Class Reference

Der Exportkontroller stellt den alle Dienste zur exportierung von Files zur Verfügung.

Inheritance diagram for kpiMvcApi.Controllers.ExportController:

```
┌─────────────────────────┐   ┌─────────────────────────┐
│       Controller        │   │       Controller        │
└─────────────────────────┘   └─────────────────────────┘
              ▲                           ▲
              └───────────┬───────────────┘
              ┌───────────────────────────────┐
              │ kpiMvcApi.Controllers.ExportController │
              └───────────────────────────────┘
```
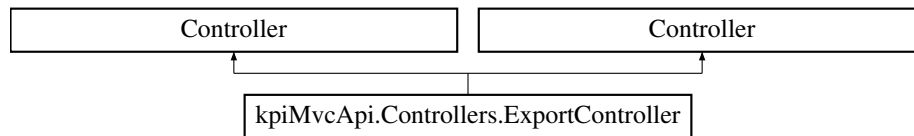
Public Member Functions

- ActionResult ProdDataToExcel ()

    Nimmt daten aus dem Production Data Data Transfer Object Recordset Bindet die Daten in eine Gridview Exportiert die Daten in eine Excell.xls
- ActionResult KvpDataToExcel ()

    Nimmt daten aus dem Kvp Data Data Transfer Object Recordset Bindet die Daten in eine Gridview Exportiert die Daten in eine Excell.xls
- ActionResult DeliveryDataToExcel ()

    Nimmt daten aus dem Deliovery Data Data Transfer Object Recordset Bindet die Daten in eine Gridview Exportiert die Daten in eine Excell.xls
- ActionResult ProdDataToExcel ()

    Nimmt daten aus dem Production Data Data Transfer Object Recordset Bindet die Daten in eine Gridview Exportiert die Daten in eine Excell.xls
- ActionResult KvpDataToExcel ()

    Nimmt daten aus dem Kvp Data Data Transfer Object Recordset Bindet die Daten in eine Gridview Exportiert die Daten in eine Excell.xls
- ActionResult DeliveryToExcel ()

    Nimmt daten aus dem Deliovery Data Data Transfer Object Recordset Bindet die Daten in eine Gridview Exportiert die Daten in eine Excell.xls

5.13.1 Detailed Description

Der Exportkontroller stellt den alle Dienste zur exportierung von Files zur Verfügung.

5.13.2 Member Function Documentation

5.13.2.1 DeliveryDataToExcel()

```
ActionResult kpiMvcApi.Controllers.ExportController.DeliveryDataToExcel ( ) [inline]
```

Nimmt daten aus dem Deliovery Data Data Transfer Object Recordset Bindet die Daten in eine Gridview Exportiert die Daten in eine Excell.xls

Returns

View() Excell .xls File

5.13.2.2 DeliveryToExcel()

```
ActionResult kpiMvcApi.Controllers.ExportController.DeliveryToExcel ( ) [inline]
```

Nimmt daten aus dem Deliovery Data Data Transfer Object Recordset Bindet die Daten in eine Gridview Exportiert die Daten in eine Excell.xls

Returns

View() Excell .xls File

5.13.2.3 KvpDataToExcel() [1/2]

```
ActionResult kpiMvcApi.Controllers.ExportController.KvpDataToExcel ( ) [inline]
```

Nimmt daten aus dem Kvp Data Data Transfer Object Recordset Bindet die Daten in eine Gridview Exportiert die Daten in eine Excell.xls

Returns

View() Excell .xls File

5.13.2.4 KvpDataToExcel() [2/2]

```
ActionResult kpiMvcApi.Controllers.ExportController.KvpDataToExcel ( ) [inline]
```

Nimmt daten aus dem Kvp Data Data Transfer Object Recordset Bindet die Daten in eine Gridview Exportiert die Daten in eine Excell.xls

Returns

View() Excell .xls File

5.13.2.5 ProdDataToExcel() [1/2]

```
ActionResult kpiMvcApi.Controllers.ExportController.ProdDataToExcel ( ) [inline]
```

Nimmt daten aus dem Production Data Data Transfer Object Recordset Bindet die Daten in eine Gridview Exportiert die Daten in eine Excell.xls

Returns

View() Excell .xls File

5.13.2.6 ProdDataToExcel() [2/2]

```
ActionResult kpiMvcApi.Controllers.ExportController.ProdDataToExcel ( )  [inline]
```

Nimmt daten aus dem Production Data Data Transfer Object Recordset Bindet die Daten in eine Gridview Exportiert die Daten in eine Excell.xls

Returns

View() Excell .xls File

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Controllers/Export↩
Controller.cs

5.14 kpiMvcApi.Global Class Reference

Inheritance diagram for kpiMvcApi.Global:

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Global.asax.cs

5.15 kpiMvcApi.Controllers.HomeController Class Reference

Webseite Controller Setllt die Views und die Partaialviews bereit

Inheritance diagram for kpiMvcApi.Controllers.HomeController:

Public Member Functions

- ActionResult Frame ()

    Test Webseite um Funktionen zu testen
- ActionResult Home ()

    Das Home Fenster
- ActionResult UserLogin ()

    Das User Login Fenster Returns the View to login a User
- ActionResult ProductionData (string startDate, string stopDate)

    Das Production Data Fenster Versucht einen Date String in eine DateTime Class zu arsen Der Datensatz wird über diese Datumswerte gefiltert Für nicht gültige Datumswerte wird ein standardatum von 1.1.18 bis zum aktuellen Tag gewählt
- ActionResult Kvp (string startDate, string stopDate)

    The KVP View Tries to parse the Date Strings to DateTime Class The Data is filtered by these Parameters For nonvalid Dates the Standarddate will be loaded
- ActionResult Delivery (string startDate, string stopDate)

    The Delivery View Tries to parse the Date Strings to DateTime Class The Data is filtered by these Parameters For nonvalid Dates the Standarddate will be loaded
- ActionResult Frame ()

    Test Webseite um Funktionen zu testen
- ActionResult Home ()

    Das Home Fenster
- ActionResult UserLogin ()

    Das User Login Fenster Returns the View to login a User
- ActionResult ProductionData (string startDate, string stopDate)

    Das Production Data Fenster Versucht einen Date String in eine DateTime Class zu arsen Der Datensatz wird über diese Datumswerte gefiltert Für nicht gültige Datumswerte wird ein standardatum von 1.1.18 bis zum aktuellen Tag gewählt
- ActionResult Kvp (string startDate, string stopDate)

    The KVP View Tries to parse the Date Strings to DateTime Class The Data is filtered by these Parameters For nonvalid Dates the Standarddate will be loaded
- ActionResult Delivery (string startDate, string stopDate)

    The Delivery View Tries to parse the Date Strings to DateTime Class The Data is filtered by these Parameters For nonvalid Dates the Standarddate will be loaded

5.15.1 Detailed Description

Webseite Controller Setllt die Views und die Partaialviews bereit

5.15.2 Member Function Documentation

5.15.2.1 Delivery() [1/2]

```
ActionResult kpiMvcApi.Controllers.HomeController.Delivery (
            string startDate,
            string stopDate )  [inline]
```

The Delivery View Tries to parse the Date Strings to DateTime Class The Data is filtered by these Parameters For nonvalid Dates the Standarddate will be loaded

Parameters

startDate	
stopDate	

Returns

`PartialView("_Delivery", model);` The View Containing all selected Delivery Data, shown as a diagram and a Table. Also provide an Excell export function

5.15.2.2 Delivery() [2/2]

```
ActionResult kpiMvcApi.Controllers.HomeController.Delivery (
            string startDate,
            string stopDate )  [inline]
```

The Delivery View Tries to parse the Date Strings to DateTime Class The Data is filtered by these Parameters For nonvalid Dates the Standarddate will be loaded

Parameters

startDate	
stopDate	

Returns

`PartialView("_Delivery", model);` The View Containing all selected Delivery Data, shown as a diagram and a Table. Also provide an Excell export function

5.15.2.3 Frame() [1/2]

```
ActionResult kpiMvcApi.Controllers.HomeController.Frame ( )  [inline]
```

Test Webseite um Funktionen zu testen

Returns

`ActionResult IndexView` Die Index View

Das Dashboard Fenster

Returns

`ActionResult FrameView` Giebt die FrameView zurück. Diese Beinhaltet die Sidebar und die Menueleiste.

5.15.2.4 Frame() [2/2]

```
ActionResult kpiMvcApi.Controllers.HomeController.Frame ( )  [inline]
```

Test Webseite um Funktionen zu testen

Returns

> `ActionResult IndexView` Die Index View

Das Dashboard Fenster

Returns

> `ActionResult FrameView` Giebt die FrameView zurück. Diese Beinhaltet die Sidebar und die Menueleiste.

5.15.2.5 Home() [1/2]

```
ActionResult kpiMvcApi.Controllers.HomeController.Home ( )  [inline]
```

Das Home Fenster

Returns

> `ActionResult _HomeView` Giebt die HomeView als Partielle View zurück. Diese Beinhaltet die übersicht über Verfügbare Dashboards

5.15.2.6 Home() [2/2]

```
ActionResult kpiMvcApi.Controllers.HomeController.Home ( )  [inline]
```

Das Home Fenster

Returns

> `ActionResult _HomeView` Giebt die HomeView als Partielle View zurück. Diese Beinhaltet die übersicht über Verfügbare Dashboards

5.15.2.7 Kvp() [1/2]

```
ActionResult kpiMvcApi.Controllers.HomeController.Kvp (
            string startDate,
            string stopDate )  [inline]
```

The KVP View Tries to parse the Date Strings to DateTime Class The Data is filtered by these Parameters For nonvalid Dates the Standarddate will be loaded

Parameters

startDate	
stopDate	

Returns

`PartialView("_Kvp", model);` The View Containing all selected KVP Data, shown as a diagram and a List. Also provide an Excell export function

5.15.2.8 Kvp() [2/2]

```
ActionResult kpiMvcApi.Controllers.HomeController.Kvp (
            string startDate,
            string stopDate )  [inline]
```

The KVP View Tries to parse the Date Strings to DateTime Class The Data is filtered by these Parameters For nonvalid Dates the Standarddate will be loaded

Parameters

startDate	
stopDate	

Returns

`PartialView("_Kvp", model);` The View Containing all selected KVP Data, shown as a diagram and a List. Also provide an Excell export function

5.15.2.9 ProductionData() [1/2]

```
ActionResult kpiMvcApi.Controllers.HomeController.ProductionData (
            string startDate,
            string stopDate )  [inline]
```

Das Production Data Fenster Versucht einen Date String in eine DateTime Class zu arsen Der Datensatz wird über diese Datumswerte gefiltert Für nicht gültige Datumswerte wird ein standardatum von 1.1.18 bis zum aktuellen Tag gewählt

Parameters

startDate	The Date the Dataset starts
stopDate	The Date the Dataset stops

Returns

> `ActionResult PartialView("_ProductionData", model);` The View containing all selected Production Date, shown as a diagram and a table. Also provide an Excell export function

5.15.2.10 ProductionData() [2/2]

```
ActionResult kpiMvcApi.Controllers.HomeController.ProductionData (
            string startDate,
            string stopDate ) [inline]
```

Das Production Data Fenster Versucht einen Date String in eine DateTime Class zu arsen Der Datensatz wird über diese Datumswerte gefiltert Für nicht gültige Datumswerte wird ein standardatum von 1.1.18 bis zum aktuellen Tag gewählt

Parameters

startDate	The Date the Dataset starts
stopDate	The Date the Dataset stops

Returns

> `ActionResult PartialView("_ProductionData", model);` The View containing all selected Production Date, shown as a diagram and a table. Also provide an Excell export function

5.15.2.11 UserLogin() [1/2]

```
ActionResult kpiMvcApi.Controllers.HomeController.UserLogin ( ) [inline]
```

Das User Login Fenster Returns the View to login a User

Returns

> `ActionResult _UserLoginView` Giebt die _UserLoginView als Partielle View zurück. Diese Beinhaltet die Funktion um den User einzuloggen

5.15.2.12 UserLogin() [2/2]

```
ActionResult kpiMvcApi.Controllers.HomeController.UserLogin ( ) [inline]
```

Das User Login Fenster Returns the View to login a User

Returns

> `ActionResult _UserLoginView` Giebt die _UserLoginView als Partielle View zurück. Diese Beinhaltet die Funktion um den User einzuloggen
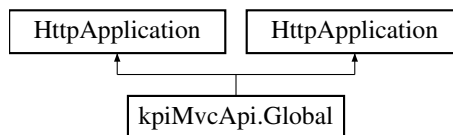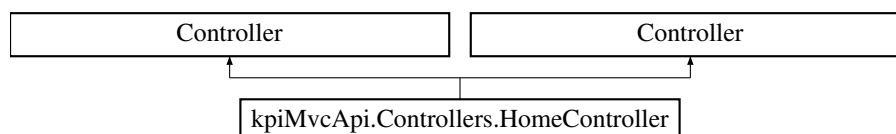
The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Controllers/Home←
  Controller.cs

5.16 kpiMvcApi.Controllers.KpidataController Class Reference

This Controller contains all API GET POST PUT DELETE methods

Inheritance diagram for kpiMvcApi.Controllers.KpidataController:

```
┌─────────────────────┐   ┌─────────────────────┐
│    ApiController     │   │    ApiController     │
└─────────────────────┘   └─────────────────────┘
            ▲                         ▲
            └────────────┬────────────┘
        ┌────────────────────────────────────┐
        │ kpiMvcApi.Controllers.KpidataController │
        └────────────────────────────────────┘
```
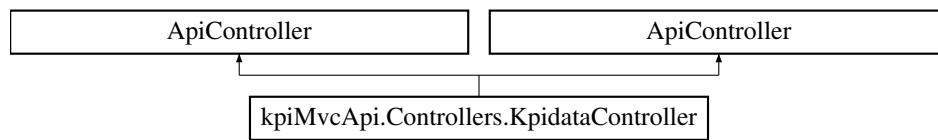
Public Member Functions

- List< ProductionDataDto > getProductionData ()

    Returns the Production Data from 1.1.2018 till the actual Date
- List< ProductionDataDto > getProductionData (int id)

    Returns the Production Data from with the specified id
- List< ProductionDataDto > getProductionData (string startDate, string stopDate)

    Returns the Production Data between the specified Dates with the specified id
- HttpResponseMessage setProductionData (List< ProductionDataDto > prodDataList)

    Adds data into the database, creates new identifiers The data must hafe the following Format [{ "ProductionDay": "2018-01-09T00:00:00", "PcbQuantity": 512345, "PcbSumPrice": 5123456, "PcbGenerationId": 3, "PcbClassId": 0, "PcbGenerationName": null, "PcbClassName": null }, { ... }]
- HttpResponseMessage updateProductionData (List< ProductionDataDto > prodDataList)

    Adds data into the database If the Id alredy exists, update the Dataset if not create the dataset The data must hafe the following format [{ "PcbDailyId": 8, "ProductionDay": "2018-01-09T00:00:00", "PcbQuantity": 512345, "PcbSum←Price": 5123456, "PcbGenerationId": 3, "PcbClassId": 0, "PcbGenerationName": null, "PcbClassName": null }, { ... }]
- HttpResponseMessage deleteProductionData (List< ProductionDataDto > prodDataList)

    Deletes data ^ with specified id from the database The data must hafe the following format [{ "PcbDailyId": 8, }, { ... }]
- HttpResponseMessage deleteProductionData (string startDate, string stopDate)

    Deletes data in the specified daterange
- List< KvpDataDto > getKvpData ()

    Returns the KVP Data from 1.1.2018 till the actual Date
- List< KvpDataDto > getKvpData (int id)

    Returns the KVP Data from with the specified id
- List< KvpDataDto > getKvpData (string startDate, string stopDate)

    Returns the KVP Data between the specified Dates with the specified id
- HttpResponseMessage setKvpData (List< KvpDataDto > kvpDataList)

    Adds data into the database, creates new identifiers The data must hafe the following Format [{ "KvpName": "←Dashboard3", "KvpDate": "2018-01-05T00:00:00", "KvpClassId": 2, "KvpStateId": 2, "KvpStateName": "Do", "Kvp←ClassName": "Produktivität" }, { ... }]
- HttpResponseMessage updateKvpData (List< KvpDataDto > kvpDataList)

    Adds data into the database If the Id alredy exists, update the Dataset if not create the dataset The data must hafe the following format [{ "KvpId": 4, "KvpName": "Dashboard3", "KvpDate": "2018-01-05T00:00:00", "KvpClassId": 2, "KvpStateId": 2, "KvpStateName": "Do", "KvpClassName": "Produktivität" }, { ... }]
- HttpResponseMessage deleteKvpData (List< KvpDataDto > kvpId)

    Deletes data with specified id from the database The data must hafe the following format [{ "KvpId": 8, }, { ... }]
- HttpResponseMessage deleteKvpData (string startDate, string stopDate)

    Deletes data in the specified daterange

- List< DeliveryDataDto > getDeliveryData ()

  Returns the Delivery Data from 1.1.2018 till the actual Date
- List< DeliveryDataDto > getDeliveryData (int id)

  Returns the Delivery Data from with the specified id
- List< DeliveryDataDto > getDeliveryData (string startDate, string stopDate)

  Returns the Delivery Data between the specified Dates with the specified id
- HttpResponseMessage setDeliveryData (List< DeliveryDataDto > deliveryDataList)

  Adds data into the database, creates new identifiers The data must hafe the following Format [{ "OrderDate"←
  : "2018-01-01T00:00:00", "OrderedPc": 100, "DeliveredPc": 100, "NotdeliveredPc": null, "NotdeliveredRel": null,
  "CountryId": 1, "CountryName": "Switzerland" }, { ... }]
- HttpResponseMessage updateDeliveryData (List< DeliveryDataDto > deliveryDataList)

  Adds data into the database If the Id alredy exists, update the Dataset if not create the dataset The data must hafe
  the following format [{ "DeliveryId": 4, "OrderDate": "2018-01-01T00:00:00", "OrderedPc": 100, "DeliveredPc": 100,
  "NotdeliveredPc": null, "NotdeliveredRel": null, "CountryId": 1, "CountryName": "Switzerland" }, { ... }]
- HttpResponseMessage deleteDeliveryData (List< DeliveryDataDto > deliveryDataList)

  Deletes data with specified id from the database The data must hafe the following format [{ "DeliveryId": 8, }, { ... }]
- HttpResponseMessage deleteDeliveryData (string startDate, string stopDate)

  Deletes data in the specified daterange
- List< ProductionDataDto > getProductionData ()

  Returns the Production Data from 1.1.2018 till the actual Date
- List< ProductionDataDto > getProductionData (int id)

  Returns the Production Data from with the specified id
- List< ProductionDataDto > getProductionData (string startDate, string stopDate)

  Returns the Production Data between the specified Dates with the specified id
- HttpResponseMessage setProductionData (List< ProductionDataDto > prodDataList)

  Adds data into the database, creates new identifiers The data must hafe the following Format [{ "ProductionDay":
  "2018-01-09T00:00:00", "PcbQuantity": 512345, "PcbSumPrice": 5123456, "PcbGenerationId": 3, "PcbClassId": 0,
  "PcbGenerationName": null, "PcbClassName": null }, { ... }]
- HttpResponseMessage updateProductionData (List< ProductionDataDto > prodDataList)

  Adds data into the database If the Id alredy exists, update the Dataset if not create the dataset The data must hafe the
  following format [{ "PcbDailyId": 8, "ProductionDay": "2018-01-09T00:00:00", "PcbQuantity": 512345, "PcbSum←
  Price": 5123456, "PcbGenerationId": 3, "PcbClassId": 0, "PcbGenerationName": null, "PcbClassName": null }, { ... }
  ]
- HttpResponseMessage deleteProductionData (List< ProductionDataDto > prodDataList)

  Deletes data ^ with specified id from the database The data must hafe the following format [{ "PcbDailyId": 8, }, { ... }
  ]
- HttpResponseMessage deleteProductionData (string startDate, string stopDate)

  Deletes data in the specified daterange
- List< KvpDataDto > **getKvpData** ()
- List< KvpDataDto > **getKvpData** (int id)
- List< KvpDataDto > **getKvpData** (string startDate, string stopDate)
- HttpResponseMessage **setKvpData** (List< KvpDataDto > kvpDataList)
- HttpResponseMessage **updateKvpData** (List< KvpDataDto > kvpDataList)
- HttpResponseMessage **deleteKvpData** (List< KvpDataDto > kvpId)
- HttpResponseMessage deleteKvpData (string startDate, string stopDate)

  Deletes data in the specified daterange
- List< DeliveryDataDto > **getDeliveryData** ()
- List< DeliveryDataDto > **getDeliveryData** (int id)
- List< DeliveryDataDto > **getDeliveryData** (string startDate, string stopDate)
- HttpResponseMessage **setDeliveryData** (List< DeliveryDataDto > deliveryDataList)
- HttpResponseMessage **updateDeliveryData** (List< DeliveryDataDto > deliveryDataList)
- HttpResponseMessage **deleteDeliveryData** (List< DeliveryDataDto > deliveryDataList)
- HttpResponseMessage deleteDeliveryData (string startDate, string stopDate)

  Deletes data in the specified daterange

5.16.1 Detailed Description

This Controller contains all API GET POST PUT DELETE methods

5.16.2 Member Function Documentation

5.16.2.1 deleteDeliveryData() [1/3]

```
HttpResponseMessage kpiMvcApi.Controllers.KpidataController.deleteDeliveryData (
            string startDate,
            string stopDate ) [inline]
```

Deletes data in the specified daterange

Parameters

startDate	
stopDate	

Returns

    HttpResponseMessage

5.16.2.2 deleteDeliveryData() [2/3]

```
HttpResponseMessage kpiMvcApi.Controllers.KpidataController.deleteDeliveryData (
            List< DeliveryDataDto > deliveryDataList ) [inline]
```

Deletes data with specified id from the database The data must hafe the following format [{ "DeliveryId": 8, }, { ... }]

Parameters

deliveryDataList	Dataset Id to delete in Json Format

Returns

    HttpResponseMessage

5.16.2.3 deleteDeliveryData() [3/3]

```
HttpResponseMessage kpiMvcApi.Controllers.KpidataController.deleteDeliveryData (
            string startDate,
            string stopDate ) [inline]
```

Deletes data in the specified daterange

Parameters

startDate	
stopDate	

Returns

    HttpResponseMessage

5.16.2.4 deleteKvpData() [1/3]

```
HttpResponseMessage kpiMvcApi.Controllers.KpidataController.deleteKvpData (
            string startDate,
            string stopDate )  [inline]
```

Deletes data in the specified daterange

Parameters

startDate	
stopDate	

Returns

    HttpResponseMessage

5.16.2.5 deleteKvpData() [2/3]

```
HttpResponseMessage kpiMvcApi.Controllers.KpidataController.deleteKvpData (
            List< KvpDataDto > kvpId )  [inline]
```

Deletes data with specified id from the database The data must hafe the following format [{ "KvpId": 8, }, { ... }]

Parameters

kvp↩ Id	Dataset Id to delete in Json Format

Returns

    HttpResponseMessage

5.16.2.6   deleteKvpData() [3/3]

```
HttpResponseMessage kpiMvcApi.Controllers.KpidataController.deleteKvpData (
            string startDate,
            string stopDate )  [inline]
```

Deletes data in the specified daterange

Parameters

startDate	
stopDate	

Returns

> HttpResponseMessage

5.16.2.7   deleteProductionData() [1/4]

```
HttpResponseMessage kpiMvcApi.Controllers.KpidataController.deleteProductionData (
            List< ProductionDataDto > prodDataList )  [inline]
```

Deletes data $^\wedge$with specified id from the database The data must hafe the following format [{ "PcbDailyId": 8, }, { ... }]

Parameters

prodDataList	Dataset Id to delete in Json Format

Returns

> HttpResponseMessage

5.16.2.8   deleteProductionData() [2/4]

```
HttpResponseMessage kpiMvcApi.Controllers.KpidataController.deleteProductionData (
            List< ProductionDataDto > prodDataList )  [inline]
```

Deletes data $^\wedge$with specified id from the database The data must hafe the following format [{ "PcbDailyId": 8, }, { ... }]

Parameters

prodDataList	Dataset Id to delete in Json Format

Returns

```
HttpResponseMessage
```

5.16.2.9 deleteProductionData() [3/4]

```
HttpResponseMessage kpiMvcApi.Controllers.KpidataController.deleteProductionData (
            string startDate,
            string stopDate ) [inline]
```

Deletes data in the specified daterange

Parameters

startDate	
stopDate	

Returns

```
HttpResponseMessage
```

5.16.2.10 deleteProductionData() [4/4]

```
HttpResponseMessage kpiMvcApi.Controllers.KpidataController.deleteProductionData (
            string startDate,
            string stopDate ) [inline]
```

Deletes data in the specified daterange

Parameters

startDate	
stopDate	

Returns

```
HttpResponseMessage
```

5.16.2.11 getDeliveryData() [1/3]

```
List<DeliveryDataDto> kpiMvcApi.Controllers.KpidataController.getDeliveryData ( ) [inline]
```

Returns the Delivery Data from 1.1.2018 till the actual Date

Returns

Returns JSON data in the format:

```
[
{
    "KvpId": 4,
    "KvpName": "Dashboard3",
    "KvpDate": "2018-01-05T00:00:00",
    "KvpClassId": 2,
    "KvpStateId": 2,
    "KvpStateName": "Do",
    "KvpClassName": "Produktivität"
}
    {
        ...
    }
]
```

5.16.2.12 getDeliveryData() [2/3]

List<DeliveryDataDto> kpiMvcApi.Controllers.KpidataController.getDeliveryData (
            int *id*) [inline]

Returns the Delivery Data from with the specified id

Parameters

id	Sets the Dataid

Returns

Returns JSON data

5.16.2.13 getDeliveryData() [3/3]

List<DeliveryDataDto> kpiMvcApi.Controllers.KpidataController.getDeliveryData (
            string *startDate,*
            string *stopDate*) [inline]

Returns the Delivery Data between the specified Dates with the specified id

Parameters

startDate	
stopDate	

Returns

Returns JSON data

5.16.2.14 getKvpData() [1/3]

```
List<KvpDataDto> kpiMvcApi.Controllers.KpidataController.getKvpData ( )  [inline]
```

Returns the KVP Data from 1.1.2018 till the actual Date

Returns

Returns JSON data in the format:

```
[
{
    "KvpId": 4,
    "KvpName": "Dashboard3",
    "KvpDate": "2018-01-05T00:00:00",
    "KvpClassId": 2,
    "KvpStateId": 2,
    "KvpStateName": "Do",
    "KvpClassName": "Produktivität"
}
    {
        ...
    }
]
```

5.16.2.15 getKvpData() [2/3]

```
List<KvpDataDto> kpiMvcApi.Controllers.KpidataController.getKvpData (
            int id )  [inline]
```

Returns the KVP Data from with the specified id

Parameters

id	Sets the Dataid

Returns

Returns JSON data

5.16.2.16 getKvpData() [3/3]

```
List<KvpDataDto> kpiMvcApi.Controllers.KpidataController.getKvpData (
            string startDate,
            string stopDate )  [inline]
```

Returns the KVP Data between the specified Dates with the specified id

Parameters

startDate	
stopDate	

Returns

> Returns JSON data

5.16.2.17 getProductionData() [1/6]

List<ProductionDataDto> kpiMvcApi.Controllers.KpidataController.getProductionData ( ) [inline]

Returns the Production Data from 1.1.2018 till the actual Date

Returns

> Returns JSON data in the format:

```
[
    {
        "PcbDailyId": 7,
        "ProductionDay": "2018-01-09T00:00:00",
        "PcbQuantity": 512345,
        "PcbSumPrice": 5123456,
        "PcbGenerationId": 3,
        "PcbClassId": 0,
        "PcbGenerationName": null,
        "PcbClassName": null
    },
    {
        ...
    }
]
```

5.16.2.18 getProductionData() [2/6]

List<ProductionDataDto> kpiMvcApi.Controllers.KpidataController.getProductionData ( ) [inline]

Returns the Production Data from 1.1.2018 till the actual Date

Returns

> Returns JSON data in the format:

```
[
    {
        "PcbDailyId": 7,
        "ProductionDay": "2018-01-09T00:00:00",
        "PcbQuantity": 512345,
        "PcbSumPrice": 5123456,
        "PcbGenerationId": 3,
        "PcbClassId": 0,
        "PcbGenerationName": null,
        "PcbClassName": null
    },
    {
        ...
    }
]
```

5.16.2.19 getProductionData() [3/6]

List<ProductionDataDto> kpiMvcApi.Controllers.KpidataController.getProductionData (
            int *id*) [inline]

Returns the Production Data from with the specified id

Parameters

id	Sets the Dataid

Returns

> Returns JSON data

5.16.2.20 getProductionData() `[4/6]`

```
List<ProductionDataDto> kpiMvcApi.Controllers.KpidataController.getProductionData (
            int id ) [inline]
```

Returns the Production Data from with the specified id

Parameters

id	Sets the Dataid

Returns

> Returns JSON data

5.16.2.21 getProductionData() `[5/6]`

```
List<ProductionDataDto> kpiMvcApi.Controllers.KpidataController.getProductionData (
            string startDate,
            string stopDate ) [inline]
```

Returns the Production Data between the specified Dates with the specified id

Parameters

startDate	
stopDate	

Returns

> Returns JSON data

5.16.2.22 getProductionData() [6/6]

```
List<ProductionDataDto> kpiMvcApi.Controllers.KpidataController.getProductionData (
            string startDate,
            string stopDate )  [inline]
```

Returns the Production Data between the specified Dates with the specified id

Parameters

startDate	
stopDate	

Returns

Returns JSON data

5.16.2.23 setDeliveryData()

```
HttpResponseMessage kpiMvcApi.Controllers.KpidataController.setDeliveryData (
            List< DeliveryDataDto > deliveryDataList )  [inline]
```

Adds data into the database, creates new identifiers The data must hafe the following Format [{ "OrderDate"↩
: "2018-01-01T00:00:00", "OrderedPc": 100, "DeliveredPc": 100, "NotdeliveredPc": null, "NotdeliveredRel": null,
"CountryId": 1, "CountryName": "Switzerland" }, { ... }]

Parameters

deliveryDataList	New Dataset in Json Format

Returns

```
HttpResponseMessage
```

5.16.2.24 setKvpData()

```
HttpResponseMessage kpiMvcApi.Controllers.KpidataController.setKvpData (
            List< KvpDataDto > kvpDataList )  [inline]
```

Adds data into the database, creates new identifiers The data must hafe the following Format [{ "KvpName"↩
: "Dashboard3", "KvpDate": "2018-01-05T00:00:00", "KvpClassId": 2, "KvpStateId": 2, "KvpStateName": "Do",
"KvpClassName": "Produktivität" }, { ... }]

Parameters

kvpDataList	New Dataset in Json Format

Returns

        HttpResponseMessage

5.16.2.25   setProductionData() `[1/2]`

```
HttpResponseMessage kpiMvcApi.Controllers.KpidataController.setProductionData (
            List< ProductionDataDto > prodDataList )  [inline]
```

Adds data into the database, creates new identifiers The data must hafe the following Format [{ "ProductionDay": "2018-01-09T00:00:00", "PcbQuantity": 512345, "PcbSumPrice": 5123456, "PcbGenerationId": 3, "PcbClassId": 0, "PcbGenerationName": null, "PcbClassName": null }, { ... }]

Parameters

prodDataList	New Dataset in Json Format

Returns

        HttpResponseMessage

5.16.2.26   setProductionData() `[2/2]`

```
HttpResponseMessage kpiMvcApi.Controllers.KpidataController.setProductionData (
            List< ProductionDataDto > prodDataList )  [inline]
```

Adds data into the database, creates new identifiers The data must hafe the following Format [{ "ProductionDay": "2018-01-09T00:00:00", "PcbQuantity": 512345, "PcbSumPrice": 5123456, "PcbGenerationId": 3, "PcbClassId": 0, "PcbGenerationName": null, "PcbClassName": null }, { ... }]

Parameters

prodDataList	New Dataset in Json Format

Returns

        HttpResponseMessage

5.16.2.27   updateDeliveryData()

```
HttpResponseMessage kpiMvcApi.Controllers.KpidataController.updateDeliveryData (
            List< DeliveryDataDto > deliveryDataList )  [inline]
```

Adds data into the database If the Id alredy exists, update the Dataset if not create the dataset The data must hafe the following format [{ "DeliveryId": 4, "OrderDate": "2018-01-01T00:00:00", "OrderedPc": 100, "DeliveredPc": 100, "NotdeliveredPc": null, "NotdeliveredRel": null, "CountryId": 1, "CountryName": "Switzerland" }, { ... }]

Parameters

deliveryDataList	New Dataset in Json Format

Returns

> HttpResponseMessage

5.16.2.28 updateKvpData()

```
HttpResponseMessage kpiMvcApi.Controllers.KpidataController.updateKvpData (
            List< KvpDataDto > kvpDataList )  [inline]
```

Adds data into the database If the Id alredy exists, update the Dataset if not create the dataset The data must hafe the following format [{ "KvpId": 4, "KvpName": "Dashboard3", "KvpDate": "2018-01-05T00:00:00", "KvpClassId": 2, "KvpStateId": 2, "KvpStateName": "Do", "KvpClassName": "Produktivität" }, { ... }]

Parameters

kvpDataList	New Dataset in Json Format

Returns

> HttpResponseMessage

5.16.2.29 updateProductionData() [1/2]

```
HttpResponseMessage kpiMvcApi.Controllers.KpidataController.updateProductionData (
            List< ProductionDataDto > prodDataList )  [inline]
```

Adds data into the database If the Id alredy exists, update the Dataset if not create the dataset The data must hafe the following format [{ "PcbDailyId": 8, "ProductionDay": "2018-01-09T00:00:00", "PcbQuantity": 512345, "Pcb←SumPrice": 5123456, "PcbGenerationId": 3, "PcbClassId": 0, "PcbGenerationName": null, "PcbClassName": null }, { ... }]

Parameters

prodDataList	New Dataset in Json Format

Returns

> HttpResponseMessage

5.16.2.30 updateProductionData() [2/2]

```
HttpResponseMessage kpiMvcApi.Controllers.KpidataController.updateProductionData (
            List< ProductionDataDto > prodDataList ) [inline]
```

Adds data into the database If the Id alredy exists, update the Dataset if not create the dataset The data must hafe the following format [{ "PcbDailyId": 8, "ProductionDay": "2018-01-09T00:00:00", "PcbQuantity": 512345, "Pcb⟵ SumPrice": 5123456, "PcbGenerationId": 3, "PcbClassId": 0, "PcbGenerationName": null, "PcbClassName": null }, { ... }]

Parameters

prodDataList	New Dataset in Json Format

Returns

```
HttpResponseMessage
```

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Controllers/Kpidata⟵ Controller.cs

5.17 kpiMvcApi.Models.kpidbEntities1 Class Reference

Inheritance diagram for kpiMvcApi.Models.kpidbEntities1:
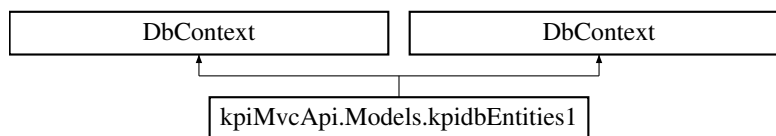
Protected Member Functions

- override void **OnModelCreating** (DbModelBuilder modelBuilder)
- override void **OnModelCreating** (DbModelBuilder modelBuilder)

Properties

- virtual DbSet< ePcbClass > **ePcbClasses** [get, set]
- virtual DbSet< ePcbDaily > **ePcbDailies** [get, set]
- virtual DbSet< ePcbGeneration > **ePcbGenerations** [get, set]
- virtual DbSet< eKvp > **eKvps** [get, set]
- virtual DbSet< eKvpClass > **eKvpClasses** [get, set]
- virtual DbSet< eKvpState > **eKvpStates** [get, set]
- virtual DbSet< eCountry > **eCountries** [get, set]
- virtual DbSet< eDelivery > **eDeliveries** [get, set]

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/Models/azureKpi⟵ Data.Context.cs

5.18 kpiMvcApi.DataTransferObjects.KvpDataDto Class Reference

Represents the Kvp data model Transfers the data between the WebFrontend and the Database Backend

Inheritance diagram for kpiMvcApi.DataTransferObjects.KvpDataDto:

```
┌──────────────────────────────────────────┐   ┌──────────────────────────────────────────┐
│ kpiMvcApi.DataTransferObjects.DataDto      │   │ kpiMvcApi.DataTransferObjects.DataDto      │
└──────────────────────────────────────────┘   └──────────────────────────────────────────┘
                         ▲                                          ▲
                         └──────────────────┬───────────────────────┘
                           ┌──────────────────────────────────────────┐
                           │ kpiMvcApi.DataTransferObjects.KvpDataDto   │
                           └──────────────────────────────────────────┘
```
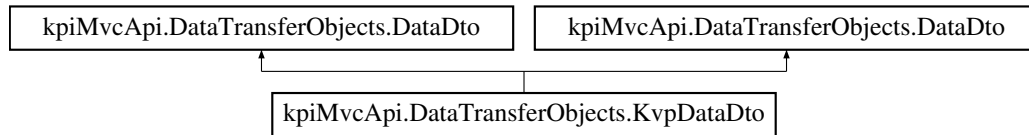
Properties

- int **KvpId** `[get, set]`

  The Database Kvp Id
- string **KvpName** `[get, set]`

  The Header of the Kvp
- DateTime **KvpDate** `[get, set]`

  The creation date the Kvp was created
- int **KvpClassId** `[get, set]`

  The Class Id of the Kvp
- int **KvpStateId** `[get, set]`

  The State Id of the Kvp
- string **KvpStateName** `[get, set]`

  The Statename 0 generic 1 Plan 2 Do 3 Check 4 Act
- string **KvpClassName** `[get, set]`

  The Classname 0 generic 1 Qualität 2 Produktivität 3 Umwelt

5.18.1 Detailed Description

Represents the Kvp data model Transfers the data between the WebFrontend and the Database Backend

5.18.2 Property Documentation

5.18.2.1 KvpClassId

```
int kpiMvcApi.DataTransferObjects.KvpDataDto.KvpClassId  [get], [set]
```

The Class Id of the Kvp

5.18.2.2 KvpClassName

```
string kpiMvcApi.DataTransferObjects.KvpDataDto.KvpClassName  [get], [set]
```

The Classname 0 generic 1 Qualität 2 Produktivität 3 Umwelt

5.18.2.3 KvpDate

```
DateTime kpiMvcApi.DataTransferObjects.KvpDataDto.KvpDate  [get], [set]
```

The creation date the Kvp was created

5.18.2.4 KvpId

```
int kpiMvcApi.DataTransferObjects.KvpDataDto.KvpId  [get], [set]
```

The Database Kvp Id

5.18.2.5 KvpName

```
string kpiMvcApi.DataTransferObjects.KvpDataDto.KvpName  [get], [set]
```

The Header of the Kvp

5.18.2.6 KvpStateId

```
int kpiMvcApi.DataTransferObjects.KvpDataDto.KvpStateId  [get], [set]
```

The State Id of the Kvp

5.18.2.7 KvpStateName

```
string kpiMvcApi.DataTransferObjects.KvpDataDto.KvpStateName  [get], [set]
```

The Statename 0 generic 1 Plan 2 Do 3 Check 4 Act

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/DataTransfer←
  Objects/KvpDataDto.cs

5.19 kpiMvcApi.DataTransferObjects.KvpDataDtoRs Class Reference

This Recordset stores a List of Kvap Data transfer objects It prowides all Methods to read, write, update and delete data from databse It provides Methods to get HTML data for the frontend

Inheritance diagram for kpiMvcApi.DataTransferObjects.KvpDataDtoRs:

```
┌─────────────────────────────────────────┐  ┌─────────────────────────────────────────┐
│ kpiMvcApi.DataTransferObjects.DataDtoRs  │  │ kpiMvcApi.DataTransferObjects.DataDtoRs  │
└─────────────────────────────────────────┘  └─────────────────────────────────────────┘
              ▲                                               ▲
              └───────────────────────┬───────────────────────┘
                   ┌──────────────────────────────────────────────┐
                   │ kpiMvcApi.DataTransferObjects.KvpDataDtoRs    │
                   └──────────────────────────────────────────────┘
```

Public Types

- enum [dataset](#) { **Datalabels** = 0, **dataset1**, **Datalabels** = 0, **dataset1** }

    Containing the available diagramm data val == 0 => x axis, val > 0 => y axis
- enum [charttype](#) { **KvpMonthChart** = 0, **KvpClassChart**, **KvpMonthChart** = 0, **KvpClassChart** }

    Containing zhe available diagramm types
- enum [dataset](#) { **Datalabels** = 0, **dataset1**, **Datalabels** = 0, **dataset1** }

    Containing the available diagramm data val == 0 => x axis, val > 0 => y axis
- enum [charttype](#) { **KvpMonthChart** = 0, **KvpClassChart**, **KvpMonthChart** = 0, **KvpClassChart** }

    Containing zhe available diagramm types

Public Member Functions

- [KvpDataDtoRs](#) ()

    Constructor loads the default data from 1.1.18 till today
- [KvpDataDtoRs](#) (int id)

    Constructor loads the specified id
- [KvpDataDtoRs](#) (DateTime startdate, DateTime stopdate)

    Constructor loads with the specified daterange
- void [loadData](#) ()

    loads the default data from 1.1.18 till today stores in object *KvpDataDtoRs*
- void [loadData](#) (int id)

    loads the specified dataset id stores in object *KvpDataDtoRs*
- void [loadData](#) (DateTime startdate, DateTime stopdate)

    Constructor loads with the specified daterange stores in object *KvpDataDtoRs*
- List< [KvpDataDto](#) > [getData](#) ()

    Get all Data from *KvpDataDto*
- bool [setData](#) (List< [KvpDataDto](#) > kvpdto)

    Adds Kvp Data into the database Generates new id for each datzaset
- string [getDataset](#) ([charttype charttype](#), [dataset](#) datset, string filter)

    Produces Datastrings for the html / chart.js charts
- List< [KvpDataDto](#) > [getKvpList](#) ()

    Returns the kvp list
- string [getDatasetLabel](#) ()

    Returns the chart label
- string [getDatsetBackroundColor](#) ()

Returns the chart colors
- string getChartTitle ()

  Returns the chart title
- int getChartBorderWidth ()

  returns the boarer width
- KvpDataDtoRs ()

  Constructor loads the default data from 1.1.18 till today
- KvpDataDtoRs (int id)

  Constructor loads the specified id
- KvpDataDtoRs (DateTime startdate, DateTime stopdate)

  Constructor loads with the specified daterange
- void loadData ()

  loads the default data from 1.1.18 till today stores in object `KvpDataDtoRS`
- void loadData (int id)

  loads the specified dataset id stores in object `KvpDataDtoRs`
- void loadData (DateTime startdate, DateTime stopdate)

  Constructor loads with the specified daterange stores in object `KvpDataDtoRs`
- List< KvpDataDto > getData ()

  Get all Data from `KvpDataDto`
- bool setData (List< KvpDataDto > kvpdto)

  Adds Kvp Data into the database Generates new id for each datzaset
- string getDataset (charttype charttype, dataset datset, string filter)

  Produces Datastrings for the html / chart.js charts
- List< KvpDataDto > getKvpList ()

  Returns the kvp list
- string getDatasetLabel ()

  Returns the chart label
- string getDatsetBackroundColor ()

  Returns the chart colors
- string getChartTitle ()

  Returns the chart title
- int getChartBorderWidth ()

  returns the boarer width

Properties

- List< KvpDataDto > KvpDataRs `[get, set]`

  A List of Kvp Data transfer Objects This List is loaded at construction and reprsent the actual Dataset

5.19.1 Detailed Description

This Recordset stores a List of Kvap Data transfer objects It prowides all Methods to read, write, update and delete data from databse It provides Methods to get HTML data for the frontend

5.19.2 Member Enumeration Documentation

5.19.2.1 charttype [1/2]

enum kpiMvcApi.DataTransferObjects.KvpDataDtoRs.charttype [strong]

Containing zhe available diagramm types

5.19.2.2 charttype [2/2]

enum kpiMvcApi.DataTransferObjects.KvpDataDtoRs.charttype [strong]

Containing zhe available diagramm types

5.19.2.3 dataset [1/2]

enum kpiMvcApi.DataTransferObjects.KvpDataDtoRs.dataset [strong]

Containing the available diagramm data val == 0 => x axis, val > 0 => y axis

5.19.2.4 dataset [2/2]

enum kpiMvcApi.DataTransferObjects.KvpDataDtoRs.dataset [strong]

Containing the available diagramm data val == 0 => x axis, val > 0 => y axis

5.19.3 Constructor & Destructor Documentation

5.19.3.1 KvpDataDtoRs() [1/6]

kpiMvcApi.DataTransferObjects.KvpDataDtoRs.KvpDataDtoRs ( ) [inline]

Constructor loads the default data from 1.1.18 till today

5.19.3.2 KvpDataDtoRs() [2/6]

kpiMvcApi.DataTransferObjects.KvpDataDtoRs.KvpDataDtoRs (
            int *id*) [inline]

Constructor loads the specified id

Parameters

id	id of requested dataset

5.19.3.3 KvpDataDtoRs() [3/6]

```
kpiMvcApi.DataTransferObjects.KvpDataDtoRs.KvpDataDtoRs (
            DateTime startdate,
            DateTime stopdate )   [inline]
```

Constructor loads with the specified daterange

Parameters

startdate	dataset start date (including)
stopdate	dataset stop date (including)

5.19.3.4 KvpDataDtoRs() [4/6]

```
kpiMvcApi.DataTransferObjects.KvpDataDtoRs.KvpDataDtoRs ( )   [inline]
```

Constructor loads the default data from 1.1.18 till today

5.19.3.5 KvpDataDtoRs() [5/6]

```
kpiMvcApi.DataTransferObjects.KvpDataDtoRs.KvpDataDtoRs (
            int id )   [inline]
```

Constructor loads the specified id

Parameters

id	id of requested dataset

5.19.3.6 KvpDataDtoRs() [6/6]

```
kpiMvcApi.DataTransferObjects.KvpDataDtoRs.KvpDataDtoRs (
            DateTime startdate,
            DateTime stopdate )   [inline]
```

Constructor loads with the specified daterange

Parameters

startdate	dataset start date (including)
stopdate	dataset stop date (including)

5.19.4 Member Function Documentation

5.19.4.1 getChartBorderWidth() [1/2]

```
int kpiMvcApi.DataTransferObjects.KvpDataDtoRs.getChartBorderWidth ( ) [inline]
```

returns the boarer width

Returns

string containing the Chart boarer width

5.19.4.2 getChartBorderWidth() [2/2]

```
int kpiMvcApi.DataTransferObjects.KvpDataDtoRs.getChartBorderWidth ( ) [inline]
```

returns the boarer width

Returns

string containing the Chart boarer width

5.19.4.3 getChartTitle() [1/2]

```
string kpiMvcApi.DataTransferObjects.KvpDataDtoRs.getChartTitle ( ) [inline]
```

Returns the chart title

Returns

string containing the Chart Title

5.19.4.4 getChartTitle() [2/2]

```
string kpiMvcApi.DataTransferObjects.KvpDataDtoRs.getChartTitle ( )  [inline]
```

Returns the chart title

Returns

> string containing the Chart Title

5.19.4.5 getData() [1/2]

```
List<KvpDataDto> kpiMvcApi.DataTransferObjects.KvpDataDtoRs.getData ( )  [inline]
```

Get all Data from KvpDataDto

Returns

> List KvpDataDto A list with in this object loaded production data

5.19.4.6 getData() [2/2]

```
List<KvpDataDto> kpiMvcApi.DataTransferObjects.KvpDataDtoRs.getData ( )  [inline]
```

Get all Data from KvpDataDto

Returns

> List KvpDataDto A list with in this object loaded production data

5.19.4.7 getDataset() [1/2]

```
string kpiMvcApi.DataTransferObjects.KvpDataDtoRs.getDataset (
            charttype charttype,
            dataset datset,
            string filter )  [inline]
```

Produces Datastrings for the html / chart.js charts

Parameters

charttype	
datset	
filter	"y" year, "M" month, "d" day

Returns

> `string HTML.Raw Datastring` string for direct implementation in html.raw() view

5.19.4.8   getDataset() `[2/2]`

```
string kpiMvcApi.DataTransferObjects.KvpDataDtoRs.getDataset (
            charttype charttype,
            dataset datset,
            string filter )   [inline]
```

Produces Datastrings for the html / chart.js charts

Parameters

charttype	
datset	
filter	"y" year, "M" month, "d" day

Returns

> `string HTML.Raw Datastring` string for direct implementation in html.raw() view

5.19.4.9   getDatasetLabel() `[1/2]`

```
string kpiMvcApi.DataTransferObjects.KvpDataDtoRs.getDatasetLabel ( )   [inline]
```

Returns the chart label

Returns

> string containing the Chartlabel text

5.19.4.10   getDatasetLabel() `[2/2]`

```
string kpiMvcApi.DataTransferObjects.KvpDataDtoRs.getDatasetLabel ( )   [inline]
```

Returns the chart label

Returns

> string containing the Chartlabel text

5.19.4.11 getDatsetBackroundColor() [1/2]

```
string kpiMvcApi.DataTransferObjects.KvpDataDtoRs.getDatsetBackroundColor ( )  [inline]
```

Returns the chart colors

Returns

> string containing the Chart backround colors

5.19.4.12 getDatsetBackroundColor() [2/2]

```
string kpiMvcApi.DataTransferObjects.KvpDataDtoRs.getDatsetBackroundColor ( )  [inline]
```

Returns the chart colors

Returns

> string containing the Chart backround colors

5.19.4.13 getKvpList() [1/2]

```
List<KvpDataDto> kpiMvcApi.DataTransferObjects.KvpDataDtoRs.getKvpList ( )  [inline]
```

Returns the kvp list

Returns

> string containing the Chartlabel text

5.19.4.14 getKvpList() [2/2]

```
List<KvpDataDto> kpiMvcApi.DataTransferObjects.KvpDataDtoRs.getKvpList ( )  [inline]
```

Returns the kvp list

Returns

> string containing the Chartlabel text

5.19.4.15 loadData() [1/6]

```
void kpiMvcApi.DataTransferObjects.KvpDataDtoRs.loadData ( ) [inline]
```

loads the default data from 1.1.18 till today stores in object KvpDataDtoRs

5.19.4.16 loadData() [2/6]

```
void kpiMvcApi.DataTransferObjects.KvpDataDtoRs.loadData ( ) [inline]
```

loads the default data from 1.1.18 till today stores in object KvpDataDtoRs

5.19.4.17 loadData() [3/6]

```
void kpiMvcApi.DataTransferObjects.KvpDataDtoRs.loadData (
            int id ) [inline]
```

loads the specified dataset id stores in object KvpDataDtoRs

Parameters

id	id of requested dataset

5.19.4.18 loadData() [4/6]

```
void kpiMvcApi.DataTransferObjects.KvpDataDtoRs.loadData (
            int id ) [inline]
```

loads the specified dataset id stores in object KvpDataDtoRs

Parameters

id	id of requested dataset

5.19.4.19 loadData() [5/6]

```
void kpiMvcApi.DataTransferObjects.KvpDataDtoRs.loadData (
            DateTime startdate,
            DateTime stopdate ) [inline]
```

Constructor loads with the specified daterange stores in object KvpDataDtoRs

Parameters

startdate	dataset start date (including)
stopdate	dataset stop date (including)

5.19.4.20 loadData() [6/6]

```
void kpiMvcApi.DataTransferObjects.KvpDataDtoRs.loadData (
            DateTime startdate,
            DateTime stopdate )  [inline]
```

Constructor loads with the specified daterange stores in object KvpDataDtoRs

Parameters

startdate	dataset start date (including)
stopdate	dataset stop date (including)

5.19.4.21 setData() [1/2]

```
bool kpiMvcApi.DataTransferObjects.KvpDataDtoRs.setData (
            List< KvpDataDto > kvpdto )  [inline]
```

Adds Kvp Data into the database Generates new id for each datzaset

Parameters

kvpdto	List KvpDataDto a list of Kvp data data transfer object

Returns

booo success

5.19.4.22 setData() [2/2]

```
bool kpiMvcApi.DataTransferObjects.KvpDataDtoRs.setData (
            List< KvpDataDto > kvpdto )  [inline]
```

Adds Kvp Data into the database Generates new id for each datzaset

Parameters

kvpdto	`List` `KvpDataDto` a list of Kvp data data transfer object

Returns

> `booo` success

5.19.5 Property Documentation

5.19.5.1 KvpDataRs

`List<` `KvpDataDto` `> kpiMvcApi.DataTransferObjects.KvpDataDtoRs.KvpDataRs` `[get], [set]`

A List of Kvp Data transfer Objects This List is loaded at construction and reprsent the actual Dataset

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/DataTransfer↩
  Objects/KvpDataDtoRs.cs

5.20 kpiMvcApi.DataTransferObjects.ProductionDataDto Class Reference

Represents the Production data model Transfers the data between the WebFrontend and the Database Backend

Inheritance diagram for kpiMvcApi.DataTransferObjects.ProductionDataDto:

kpiMvcApi.DataTransferObjects.DataDto	kpiMvcApi.DataTransferObjects.DataDto

kpiMvcApi.DataTransferObjects.ProductionDataDto
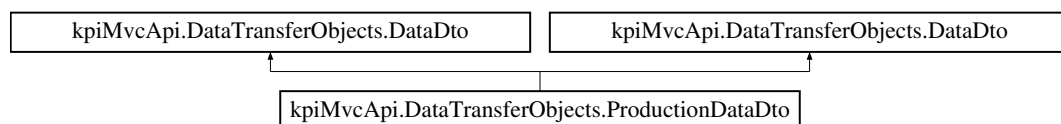
Properties

- int PcbDailyId `[get, set]`

  Dataset Id
- DateTime ProductionDay `[get, set]`

  The DateTime from the Data
- int PcbQuantity `[get, set]`

  The Pcb quantity
- Decimal PcbSumPrice `[get, set]`

  The sum of the pcb price, Price ∗ PcbQuantity
- int PcbGenerationId `[get, set]`

  The generation Id of the produced pcbs
- int PcbClassId `[get, set]`

  The class Id of the produced pcbs
- string PcbGenerationName `[get, set]`

  The PcbGenerationName of the produced pcbs
- string PcbClassName `[get, set]`

  The PcbClassName of the produced pcbs

5.20.1 Detailed Description

Represents the Production data model Transfers the data between the WebFrontend and the Database Backend

5.20.2 Property Documentation

5.20.2.1 PcbClassId

int kpiMvcApi.DataTransferObjects.ProductionDataDto.PcbClassId [get], [set]

The class Id of the produced pcbs

5.20.2.2 PcbClassName

string kpiMvcApi.DataTransferObjects.ProductionDataDto.PcbClassName [get], [set]

The PcbClassName of the produced pcbs

5.20.2.3 PcbDailyId

int kpiMvcApi.DataTransferObjects.ProductionDataDto.PcbDailyId [get], [set]

Dataset Id

5.20.2.4 PcbGenerationId

int kpiMvcApi.DataTransferObjects.ProductionDataDto.PcbGenerationId [get], [set]

The generation Id of the produced pcbs

5.20.2.5 PcbGenerationName

string kpiMvcApi.DataTransferObjects.ProductionDataDto.PcbGenerationName [get], [set]

The PcbGenerationName of the produced pcbs

5.20.2.6 PcbQuantity

`int kpiMvcApi.DataTransferObjects.ProductionDataDto.PcbQuantity [get], [set]`

The Pcb quantity

5.20.2.7 PcbSumPrice

`Decimal kpiMvcApi.DataTransferObjects.ProductionDataDto.PcbSumPrice [get], [set]`

The sum of the pcb price, Price ∗ PcbQuantity

5.20.2.8 ProductionDay

`DateTime kpiMvcApi.DataTransferObjects.ProductionDataDto.ProductionDay [get], [set]`

The DateTime from the Data

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/DataTransfer←
  Objects/ProductionDataDto.cs

5.21 kpiMvcApi.DataTransferObjects.ProductionDataDtoRs Class Reference

This Recordset stores a List of ProductionData Data transfer objects It prowides all Methods to read, write, update and delete data from databse It provides Methods to get HTML data for the frontend

Inheritance diagram for kpiMvcApi.DataTransferObjects.ProductionDataDtoRs:

Public Types

- enum dataset { **Datalabels** = 0, **dataset1**, **Datalabels** = 0, **dataset1** }

  Containing the available diagramm data val == 0 => x axis, val > 0 => y axis
- enum charttype { **Prolinechart** = 0, **Quantitychart**, **Prolinechart** = 0, **Quantitychart** }

  Containing the available diagramm types
- enum dataset { **Datalabels** = 0, **dataset1**, **Datalabels** = 0, **dataset1** }

  Containing the available diagramm data val == 0 => x axis, val > 0 => y axis
- enum charttype { **Prolinechart** = 0, **Quantitychart**, **Prolinechart** = 0, **Quantitychart** }

  Containing the available diagramm types

Public Member Functions

- ProductionDataDtoRs ()

    Constructor loads the default data from 1.1.18 till today
- ProductionDataDtoRs (int id)

    Constructor loads the specified id
- ProductionDataDtoRs (DateTime startdate, DateTime stopdate)

    Constructor loads with the specified daterange
- void loadData ()

    loads the default data from 1.1.18 till today stores in object `ProductionData`
- void loadData (int id)

    loads the specified dataset id stores in object `ProductionData`
- void loadData (DateTime startdate, DateTime stopdate)

    loads with the specified daterange stores in object `ProductionData`
- List< ProductionDataDto > getData ()

    Get all Data from `ProductionData`
- bool setData (List< ProductionDataDto > ppdto)

    Adds Production Data into the database Generates new id for each datzaset
- string getDataset (charttype charttype, dataset datset, string filter)

    Produces Datastrings for the html / chart.js charts
- string getDatasetLabel ()

    Returns the chart label
- string getDatsetBackroundColor ()

    Returns the chart colors
- string getChartTitle ()

    Returns the chart title
- int getChartBorderWidth ()

    returns the boarer width
- ProductionDataDtoRs ()

    Constructor loads the default data from 1.1.18 till today
- ProductionDataDtoRs (int id)

    Constructor loads the specified id
- ProductionDataDtoRs (DateTime startdate, DateTime stopdate)

    Constructor loads with the specified daterange
- void loadData ()

    loads the default data from 1.1.18 till today stores in object `ProductionData`
- void loadData (int id)

    loads the specified dataset id stores in object `ProductionData`
- void loadData (DateTime startdate, DateTime stopdate)

    loads with the specified daterange stores in object `ProductionData`
- List< ProductionDataDto > getData ()

    Get all Data from `ProductionData`
- bool setData (List< ProductionDataDto > ppdto)

    Adds Production Data into the database Generates new id for each datzaset
- string getDataset (charttype charttype, dataset datset, string filter)

    Produces Datastrings for the html / chart.js charts
- string getDatasetLabel ()

    Returns the chart label
- string getDatsetBackroundColor ()

    Returns the chart colors
- string getChartTitle ()

    Returns the chart title
- int getChartBorderWidth ()

    returns the boarer width

Properties

- List< ProductionDataDto > ProductionDataRs `[get, set]`
  A List of ProductionData Data Transfer Object This List is loaded at construction and reprsent the actual Dataset

5.21.1 Detailed Description

This Recordset stores a List of ProductionData Data transfer objects It prowides all Methods to read, write, update and delete data from databse It provides Methods to get HTML data for the frontend

5.21.2 Member Enumeration Documentation

5.21.2.1 charttype [1/2]

enum kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.charttype `[strong]`

Containing the available diagramm types

5.21.2.2 charttype [2/2]

enum kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.charttype `[strong]`

Containing the available diagramm types

5.21.2.3 dataset [1/2]

enum kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.dataset `[strong]`

Containing the available diagramm data val == 0 => x axis, val > 0 => y axis

5.21.2.4 dataset [2/2]

enum kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.dataset `[strong]`

Containing the available diagramm data val == 0 => x axis, val > 0 => y axis

5.21.3 Constructor & Destructor Documentation

5.21.3.1 ProductionDataDtoRs() [1/6]

```
kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.ProductionDataDtoRs ( )  [inline]
```

Constructor loads the default data from 1.1.18 till today

5.21.3.2 ProductionDataDtoRs() [2/6]

```
kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.ProductionDataDtoRs (
          int id )  [inline]
```

Constructor loads the specified id

Parameters

id	id of requested dataset

5.21.3.3 ProductionDataDtoRs() [3/6]

```
kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.ProductionDataDtoRs (
          DateTime startdate,
          DateTime stopdate )  [inline]
```

Constructor loads with the specified daterange

Parameters

startdate	dataset start date (including)
stopdate	dataset stop date (including)

5.21.3.4 ProductionDataDtoRs() [4/6]

```
kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.ProductionDataDtoRs ( )  [inline]
```

Constructor loads the default data from 1.1.18 till today

5.21.3.5 ProductionDataDtoRs() [5/6]

```
kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.ProductionDataDtoRs (
            int id ) [inline]
```

Constructor loads the specified id

Parameters

id	id of requested dataset

5.21.3.6 ProductionDataDtoRs() [6/6]

```
kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.ProductionDataDtoRs (
            DateTime startdate,
            DateTime stopdate ) [inline]
```

Constructor loads with the specified daterange

Parameters

startdate	dataset start date (including)
stopdate	dataset stop date (including)

5.21.4 Member Function Documentation

5.21.4.1 getChartBorderWidth() [1/2]

```
int kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.getChartBorderWidth ( ) [inline]
```

returns the boarer width

Returns

string containing the Chart boarer width

5.21.4.2 getChartBorderWidth() [2/2]

```
int kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.getChartBorderWidth ( ) [inline]
```

returns the boarer width

Returns

string containing the Chart boarer width

5.21.4.3 getChartTitle() [1/2]

```
string kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.getChartTitle ( ) [inline]
```

Returns the chart title

Returns

string containing the Chart Title

5.21.4.4 getChartTitle() [2/2]

```
string kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.getChartTitle ( ) [inline]
```

Returns the chart title

Returns

string containing the Chart Title

5.21.4.5 getData() [1/2]

```
List<ProductionDataDto> kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.getData ( ) [inline]
```

Get all Data from `ProductionData`

Returns

`List ProductionDataDto` A list with in this object loaded production data

5.21.4.6 getData() [2/2]

```
List<ProductionDataDto> kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.getData ( ) [inline]
```

Get all Data from `ProductionData`

Returns

`List ProductionDataDto` A list with in this object loaded production data

5.21.4.7 getDataset() [1/2]

```
string kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.getDataset (
          charttype charttype,
          dataset datset,
          string filter ) [inline]
```

Produces Datastrings for the html / chart.js charts

Parameters

charttype	
datset	
filter	
filter	"y" year, "M" month, "d" day

5.21.4.8 getDataset() [2/2]

```
string kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.getDataset (
            charttype charttype,
            dataset datset,
            string filter )  [inline]
```

Produces Datastrings for the html / chart.js charts

Parameters

charttype	
datset	
filter	
filter	"y" year, "M" month, "d" day

5.21.4.9 getDatasetLabel() [1/2]

```
string kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.getDatasetLabel ( )  [inline]
```

Returns the chart label

Returns

string containing the Chartlabel text

5.21.4.10 getDatasetLabel() [2/2]

```
string kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.getDatasetLabel ( )  [inline]
```

Returns the chart label

Returns

string containing the Chartlabel text

5.21.4.11 getDatsetBackroundColor() [1/2]

```
string kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.getDatsetBackroundColor ( )  [inline]
```

Returns the chart colors

Returns

> string containing the Chart backround colors

5.21.4.12 getDatsetBackroundColor() [2/2]

```
string kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.getDatsetBackroundColor ( )  [inline]
```

Returns the chart colors

Returns

> string containing the Chart backround colors

5.21.4.13 loadData() [1/6]

```
void kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.loadData ( )  [inline]
```

loads the default data from 1.1.18 till today stores in object `ProductionData`

5.21.4.14 loadData() [2/6]

```
void kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.loadData ( )  [inline]
```

loads the default data from 1.1.18 till today stores in object `ProductionData`

5.21.4.15 loadData() [3/6]

```
void kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.loadData (
            int id )  [inline]
```

loads the specified dataset id stores in object `ProductionData`

Parameters

id	id of requested dataset

5.21.4.16 loadData() [4/6]

```
void kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.loadData (
            int id ) [inline]
```

loads the specified dataset id stores in object `ProductionData`

Parameters

id	id of requested dataset

5.21.4.17 loadData() [5/6]

```
void kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.loadData (
            DateTime startdate,
            DateTime stopdate ) [inline]
```

loads with the specified daterange stores in object `ProductionData`

Parameters

startdate	dataset start date (including)
stopdate	dataset stop date (including)

5.21.4.18 loadData() [6/6]

```
void kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.loadData (
            DateTime startdate,
            DateTime stopdate ) [inline]
```

loads with the specified daterange stores in object `ProductionData`

Parameters

startdate	dataset start date (including)
stopdate	dataset stop date (including)

5.21.4.19 setData() `[1/2]`

```
bool kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.setData (
            List< ProductionDataDto > ppdto )  [inline]
```

Adds Production Data into the database Generates new id for each datzaset

Parameters

ppdto	List `ProductionDataDto` a list of Production data data transfer object

Returns

> booo success

5.21.4.20 setData() `[2/2]`

```
bool kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.setData (
            List< ProductionDataDto > ppdto )  [inline]
```

Adds Production Data into the database Generates new id for each datzaset

Parameters

ppdto	List `ProductionDataDto` a list of Production data data transfer object

Returns

> booo success

5.21.5 Property Documentation

5.21.5.1 ProductionDataRs

```
List< ProductionDataDto > kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.ProductionDataRs
[get], [set]
```

A List of ProductionData Data Transfer Object This List is loaded at construction and reprsent the actual Dataset

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/DataTransfer←
  Objects/ProductionDataDtoRs.cs

5.22 kpiMvcApi.RouteConfig Class Reference

Configuratuion für die Website

Static Public Member Functions

- static void RegisterRoutes (RouteCollection routes)

  Setup der Routen id als optionalen wert Bsp. id? int =1 Registrieren der Startup View "Frame"
- static void RegisterRoutes (RouteCollection routes)

  Setup der Routen id als optionalen wert Bsp. id? int =1 Registrieren der Startup View "Frame"

5.22.1 Detailed Description

Configuratuion für die Website

5.22.2 Member Function Documentation

5.22.2.1 RegisterRoutes() [1/2]

```
static void kpiMvcApi.RouteConfig.RegisterRoutes (
            RouteCollection routes )  [inline], [static]
```

Setup der Routen id als optionalen wert Bsp. id? int =1 Registrieren der Startup View "Frame"

Parameters

routes	

5.22.2.2 RegisterRoutes() [2/2]

```
static void kpiMvcApi.RouteConfig.RegisterRoutes (
            RouteCollection routes )  [inline], [static]
```

Setup der Routen id als optionalen wert Bsp. id? int =1 Registrieren der Startup View "Frame"

Parameters

routes	

The documentation for this class was generated from the following file:

- C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvc/kpiMvcApi/App_Start/Route↩
  Config.cs