kpiWebMvc

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		5.22.2.2	RegisterRoutes() [2	2/2]		 	 	 	70

Chapter 1

Namespace Index

1.1 Namespace List

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

kpiMvcApi	7
kpiMvcApi.Controllers	
Implementiert die Controller der Dashboard Api	7
kpiMvcApi.DataTransferObjects	8
kpiMvcApi,Models	8

2 Namespace Index

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

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

ApiController
kpiMvcApi.Controllers.KpidataController
kpiMvcApi.Controllers.KpidataController
Controller
kpiMvcApi.Controllers.ExportController
kpiMvcApi.Controllers.ExportController
kpiMvcApi.Controllers.HomeController
kpiMvcApi.Controllers.HomeController
kpiMvcApi.DataTransferObjects.DataDto
kpiMvcApi.DataTransferObjects.DeliveryDataDto
kpiMvcApi.DataTransferObjects.DeliveryDataDto
kpiMvcApi.DataTransferObjects.KvpDataDto
kpiMvcApi.DataTransferObjects.KvpDataDto
kpiMvcApi.DataTransferObjects.ProductionDataDto
kpiMvcApi.DataTransferObjects.ProductionDataDto
kpiMvcApi.DataTransferObjects.DataDtoRs
kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs
kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs
kpiMvcApi.DataTransferObjects.KvpDataDtoRs
kpiMvcApi.DataTransferObjects.KvpDataDtoRs
kpiMvcApi.DataTransferObjects.ProductionDataDtoRs
kpiMvcApi.DataTransferObjects.ProductionDataDtoRs
DbContext
kpiMvcApi.Models.kpidbEntities1
kpiMvcApi.Models.kpidbEntities1
kpiMvcApi.Models.eCountry
kpiMvcApi.Models.eDelivery
kpiMvcApi.Models.eKvp
kpiMvcApi.Models.eKvpClass
kpiMvcApi.Models.eKvpState
kpiMvcApi.Models.ePcbClass
kpiMvcApi.Models.ePcbDaily
kpiMvcApi.Models.ePcbGeneration
HttpApplication
kpiMvcApi.Global
kpiMvcApi.Global
kpiMvcApi,RouteConfig

4 Hierarchical Index

Chapter 3

Class Index

3.1 Class List

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

kpiMvcApi.DataTransferObjects.DataDto	
Parent Class for all Data Transfer Objects	9
kpiMvcApi.DataTransferObjects.DataDtoRs	
Parent class for all recordsets	9
kpiMvcApi.DataTransferObjects.DeliveryDataDto	
Represents the dekivery data model Transfers the data between the WebFrontend and the	
Database Backend	10
kpiMvcApi.DataTransferObjects.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	12
kpiMvcApi.Models.eCountry	20
kpiMvcApi.Models.eDelivery	20
kpiMvcApi.Models.eKvp	21
kpiMvcApi.Models.eKvpClass	21
kpiMvcApi.Models.eKvpState	21
kpiMvcApi.Models.ePcbClass	22
kpiMvcApi.Models.ePcbDaily	22
kpiMvcApi.Models.ePcbGeneration	22
kpiMvcApi.Controllers.ExportController	
Der Exportkontroller stellt den alle Dienste zur exportierung von Files zur Verfügung.	23
kpiMvcApi.Global	25
kpiMvcApi.Controllers.HomeController	
Webseite Controller Setllt die Views und die Partaialviews bereit	25
kpiMvcApi.Controllers.KpidataController	
This Controller contains all API GET POST PUT DELETE methods	31
kpiMvcApi.Models.kpidbEntities1	45
kpiMvcApi.DataTransferObjects.KvpDataDto	
Represents the Kvp data model Transfers the data between the WebFrontend and the Database	
Backend	46
kpiMvcApi.DataTransferObjects.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	48
kpiMvcApi.DataTransferObjects.ProductionDataDto	
Represents the Production data model Transfers the data between the WebFrontend and the	
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kpiMvcApi.DataTransferObjects.ProductionDataDtoRs	
This Recordset stores a List of ProductionData Data transfer objects It prowides all Methods to	
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frontend	60
kpiMvcApi.RouteConfig	
Configuratuion für die Website	70

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 provides 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 provides 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 provides 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/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/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.DataDto
```

Properties

```
• int Deliveryld [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 Countryld [get, set]

The Destination Country Id

• string CountryName [get, set]

The Destination Country Name countryId countryName < list type="bullet" | "number" | "table"> 0 generic 1 Switzer-land 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 Countryld

```
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 Deliveryld

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/kpiMvcApi/DataTransfer
 — Objects/DeliveryDataDto.cs

5.4 kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs Class Reference

This Recordset stores a List of Delivery Data transfer objects It provides 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.DataDtoRs
```

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 {

```
\label{eq:dataset2} \begin{aligned} & \textbf{Datalabels} = 0, \, \textbf{dataset1}, \, \textbf{dataset2}, \, \textbf{Datalabels} = 0, \\ & \textbf{dataset1}, \, \textbf{dataset2} \, \end{aligned}
```

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 <code>DeliveryDataDtoRs</code>

void loadData (int id)

loads the specified dataset id stores in object <code>DeliveryDataDtoRs</code>

void loadData (DateTime startdate, DateTime stopdate)

Constructor loads with the specified daterange stores in object <code>DeliveryDataDtoRs</code>

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 provides 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]

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]

Constructor loads the specified id

Parameters

```
id id of requested dataset
```

5.4.3.6 DeliveryDataDtoRs() [6/6]

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]
```

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]

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 {\tt 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 of requested dataset
5.4.4.10 loadData() [4/6]
\verb"void kpiMvcApi.DataTransferObjects.DeliveryDataDtoRs.loadData (") \\
             int id ) [inline]
loads the specified dataset id stores in object DeliveryDataDtoRs
Parameters
     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]

 $\textbf{Constructor loads with the specified daterange stores in object \verb|DeliveryDataDtoRs||}$

Parameters

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

5.4.4.13 setData() [1/2]

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]

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/kpiMvcApi/DataTransfer
 — Objects/DeliveryDataDtoRs.cs

5.5 kpiMvcApi.Models.eCountry Class Reference

Properties

- int countryld [get, set]
- string countryName [get, set]
- virtual ICollection < eDelivery > eDeliveries [get, set]

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

 $\bullet \ \ C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/kpiMvcApi/Models/eCountry.cs$

5.6 kpiMvcApi.Models.eDelivery Class Reference

Properties

```
• int deliveryld [get, set]
```

- System.DateTime orderDate [get, set]
- int orderedPc [get, set]
- int deliveredPc [get, set]
- int countryld [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 kvpld [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/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/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 pcbDailyld [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/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]
```

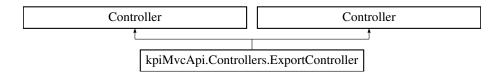
The documentation for this class was generated from the following file:

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:



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()

 $\verb|ActionResult kpiMvcApi.Controllers.ExportController.DeliveryDataToExcel () [inline]|\\$

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

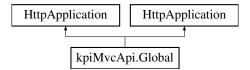
Returns

View() Excell .xls File

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

5.14 kpiMvcApi.Global Class Reference

Inheritance diagram for kpiMvcApi.Global:



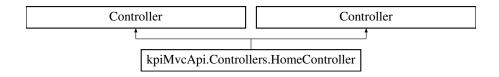
The documentation for this class was generated from the following file:

• C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/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 aewählt

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]

 ${\tt ActionResult\ kpiMvcApi.Controllers.HomeController.Home\ (\)\quad [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]

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]
```

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]

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

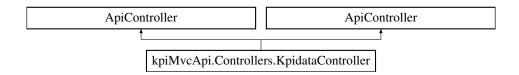
The documentation for this class was generated from the following file:

C:/Users/Ulysses/Documents/01_StudyFhnw/815_veri/kpiWebMvc/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:



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 $^{\wedge}$ 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 [{ "Kvpld": 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, "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, "NotdeliveredPel": 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 $^{\wedge}$ 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)
- $\bullet \quad \text{HttpResponseMessage} \ \textbf{setDeliveryData} \ (\text{List} < \ \text{DeliveryDataDto} > \text{deliveryDataList}) \\$
- 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]
```

```
\label{thm:presponseMessage} \begin{tabular}{ll} 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]

```
\label{thm:presponseMessage kpiMvcApi.Controllers.KpidataController.deleteDeliveryData ( \\ List < \frac{DeliveryDataDto}{DeliveryDataList} ) \quad [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]

```
\label{thm:presponseMessage 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]

```
\label{thm:presponseMessage 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]

```
\label{thm:controllers.KpidataController.deleteKvpData} \mbox{ (} \\ \mbox{List} < \mbox{KvpDataDto} > kvpId \mbox{ ) [inline]}
```

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

Parameters

kvp⇔	Dataset Id to delete in Json Format	1
ld		

Returns

HttpResponseMessage

```
5.16.2.6 deleteKvpData() [3/3]
```

```
\label{thm:presponseMessage 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]

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

 ${\tt HttpResponseMessage}$

5.16.2.8 deleteProductionData() [2/4]

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

Parameters

Dataset Id to delete in Json Format	prodDataList
-------------------------------------	--------------

Returns

HttpResponseMessage

5.16.2.9 deleteProductionData() [3/4]

```
\label{thm:presponseMessage 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]

```
\label{thm:presponseMessage 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,
    "KvpStateId": "Produktivität"
}
    {
        ...
}
```

5.16.2.12 getDeliveryData() [2/3]

```
\label{list-peliveryDataDto-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]

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]
```

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]
```

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]
```

```
\label{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]

```
\label{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]

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]

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

Parameters

startDate	
stopDate	

Returns

Returns JSON data

5.16.2.23 setDeliveryData()

Adds data into the database, creates new identifiers The data must hafe the following Format [{ "OrderDate" \leftarrow : "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()

```
\label{thm:controller} \begin{tabular}{ll} HttpResponseMessage kpiMvcApi.Controllers.KpidataController.setKvpData ( \\ List<br/>KvpDataDto > kvpDataList ) [inline] \end{tabular}
```

Adds data into the database, creates new identifiers The data must hafe the following Format [{ "KvpName" \leftarrow : "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]

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]

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

nrodDataList	New Dataset in Json Format
proubalatist	New Dalasel III Json Formal

Returns

HttpResponseMessage

5.16.2.27 updateDeliveryData()

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()

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

Dataset in Json Format	kvpDataList
------------------------	-------------

Returns

HttpResponseMessage

5.16.2.29 updateProductionData() [1/2]

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

New Dataset in Json Format
I NEW Dalasel III Jsoli i Ollilal

Returns

 ${\tt HttpResponseMessage}$

5.16.2.30 updateProductionData() [2/2]

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, "PcbCuantity": 5123456, "PcbGenerationId": 3, "PcbClassId": 0, "PcbGenerationName": null, "PcbClassName": null }, { ... }]

Parameters

prodDataList	New Dataset in Json Format
--------------	----------------------------

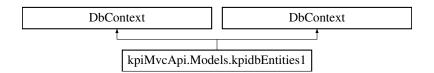
Returns

HttpResponseMessage

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

5.17 kpiMvcApi.Models.kpidbEntities1 Class Reference

 $Inheritance\ diagram\ for\ kpiMvcApi.Models.kpidbEntities 1:$



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.DataDto
```

Properties

```
• int Kvpld [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 Kvpld

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/kpiMvcApi/DataTransfer
 — Objects/KvpDataDto.cs

5.19 kpiMvcApi.DataTransferObjects.KvpDataDtoRs Class Reference

This Recordset stores a List of Kvap Data transfer objects It provides 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.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 provides 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]

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]

```
\label{lem:kpd} 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]

```
\label{lem:kpiMvcApi.DataTransferObjects.KvpDataDtoRs.KvpDataDtoRs (} \\ \text{DateTime } startdate, \\ \text{DateTime } stopdate \text{ ) [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]
```

```
\verb|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,
```

Produces Datastrings for the html / chart.js charts

dataset datset,

string filter) [inline]

Parameters

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

Generated by Doxygen

Returns

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

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]
\verb| 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]
\label{list-kypDataDto} {\tt 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 {\tt 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 of requested dataset
5.19.4.18 loadData() [4/6]
\verb"void kpiMvcApi.DataTransferObjects.KvpDataDtoRs.loadData ("
              int id ) [inline]
loads the specified dataset id stores in object KvpDataDtoRs
Parameters
     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

Generated by Doxygen

Parameters

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

5.19.4.20 loadData() [6/6]

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

Constructor loads with the specified daterange stores in object ${\tt KvpDataDtoRs}$

Parameters

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

5.19.4.21 setData() [1/2]

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]

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/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.DataDto
```

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 PcbDailyld

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

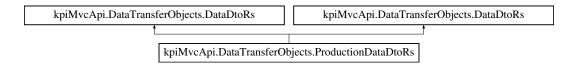
The documentation for this class was generated from the following file:

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

5.21 kpiMvcApi.DataTransferObjects.ProductionDataDtoRs Class Reference

This Recordset stores a List of ProductionData Data transfer objects It provides 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)

 $\textit{loads the specified dataset id stores in object} \ \textit{ProductionData}$

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 provides 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]

```
\label{lem:productionDataDtoRs.ProductionDataDtoRs.ProductionDataDtoRs ( int $id$ ) [inline]
```

Constructor loads the specified id

Parameters

id id of requested dataset

5.21.3.3 ProductionDataDtoRs() [3/6]

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]

```
\label{lem:productionDataDtoRs.ProductionDataDtoRs.ProductionDataDtoRs ( int $id$ ) [inline]
```

Constructor loads the specified id

Parameters

```
id id of requested dataset
```

5.21.3.6 ProductionDataDtoRs() [6/6]

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]
```

Generated by Doxygen

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]
```

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 \ (\ ) \quad [inline]
Returns the chart colors
Returns
     string containing the Chart backround colors
5.21.4.12 getDatsetBackroundColor() [2/2]
\verb| 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 {\tt 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]

```
\label{local_production} \mbox{void kpiMvcApi.DataTransferObjects.ProductionDataDtoRs.loadData (} \\ \mbox{int } id \mbox{ ) [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 ( {\tt DateTime}\ startdate, {\tt 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]

loads with the specified daterange stores in object ${\tt ProductionData}$

Parameters

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

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 ( {\tt List < ProductionDataDto > ppdto \ ) \quad [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 [qet], [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/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]
```

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]

```
\begin{tabular}{ll} {\tt static void kpiMvcApi.RouteConfig.RegisterRoutes (} \\ {\tt RouteCollection } \begin{tabular}{ll} {\tt routes} \end{tabular} ) & [inline], [static] \\ \end{tabular}
```

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:

