

Dashboard integration into E12Browser

BaseE12.jsp:

In this jsp file all dashboard related api as a fusionchart and amchart js are included

E12RIA.java:

This class is entypoint for E12BROWSER. onModuleLoad() loads first and control tranfers to BaseE12.java

BaseE12.java:

Constructor of this class is called by E12RIA.java which calls loadProfileFromServlet() of same class in which tabs are made using dashboardComp and dashboardPages entries in list and transfer control to another fuction refreshDashboard with list having tabs with parameters which calls another constructor CustomTabLayoutWidget

CustomtabLayoutWidget.java:

Constructor of this class calls initializeTab() method which passes control to initializeScreen() method of same class And this method calls contructor of CustomScreenLayoutWidget

CustomScreenLayoutWidget.java

This constructor calls E12DBReport constructor if component type is DBR which is entry point for dashboard

E12DBReport.java:

This is entry point for calling dashboard. This class constructor calls onLoad method after assigning metaDataName and uri. and this method calls next method onGraphLoad.

In onGraphLoad method It call E12DashboardPage class's static method getJsonForFilterData.

After getting jsonobject from getJsonForFilterData it calls getParameterList method of same class depends on length of jsonobject.

In getParameterList method after getting filterlist from MetaDataDtl control transfers to E12DBRFilterCreator After getting filter container control transfers to E12DashboardPage constructor

E12DashboardPage.java:

getJsonForFilterData method calls ParentMetaDataSetServlet for reading metadataxml in JsonObject format and return it to onGraphLoad method of E12DBReport
Constructor of this class initialize class variable and calls initialiseGraphNGrid method of same class which calls getData method of GraphComponent

E12DBRFilterCreator.java:

This class constructor calls from E12DBReport.java to initialize class level variables and to draw filters for textbox, checkbox, datepicker, radiobutton, dropdown list

getMetaDataForFltr(): Use for creating the filter for report depending on type of filters required for report defined in metadata.

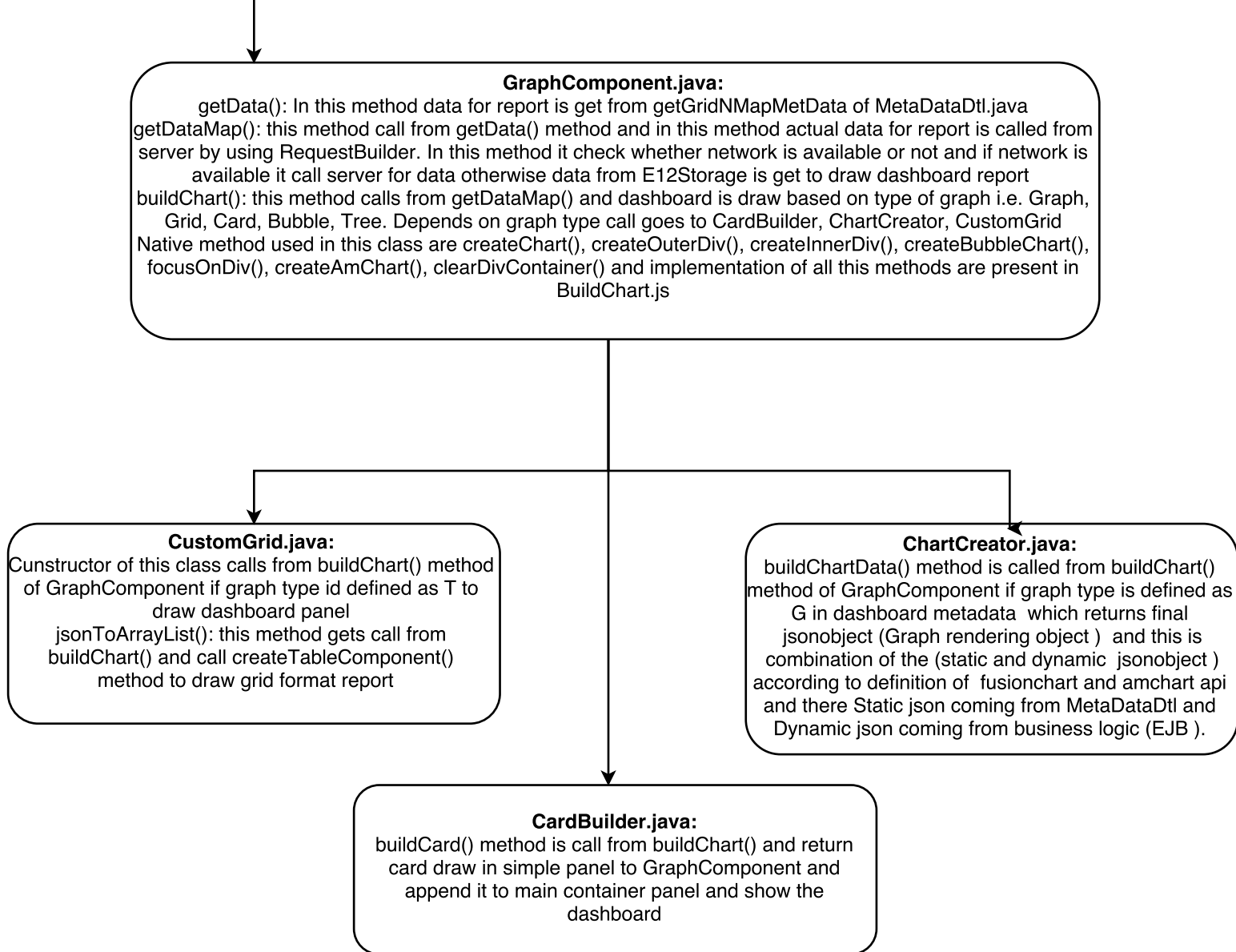
getPopHelpString: Get the data for filter, Call to Ejb depending on the field name and module name

getPopUpDataMap: Returns hashmap for pophelp data for Filter type 3 and 5.

getViewFilter: provide the different view-wise option

getFltrSelectedData: used to gather the information for argument value entered or selected

setTitleOnFilterSubmit: used to set title on report



1.Dashboard component (java class) List : We have used following java component for developed dashboard (BI) utility andthis is integrated into E12Browser component in **ibase.e12ria.client.dashboard** . This is seperate package inE12Browser and which is contains only dashboard components.

- 1.1.CardBuilder.java
- 1.2.CellTableGridCreator.java
- 1.3.CellTableGridInfo.java
- 1.4.ChartCreator.java
- 1.5.CustomFlxTable.java
- 1.6.CustomGrid.java
- 1.7.E12DashBoardPage.java
- 1.8.FilterCreator.java
- 1.9. FilterInfo.java
- 1.10.GanttChartBuilder.java
- 1.11.GaugeChartBuilder.java
- 1.12.GraphComponent.java

1.13.GWTDashBoardReport.java

1.14.MetadataDtl.java

1.15.PopHelpXmlGenerator.java

1.16.SmartFiltrCreator.java

1.17.SmrtFilterInfo.java

1.18.TreeBuilder.java

2. Dashboard component css classes with package in E12Browser:

2.1.package path :ibase.e12ria.client.resources.css.Standard

2.2 .GwtDashboardPage.css

2.3 .default.css

3. Dashboard component imageswith package inE12Browser:

3.1.package path :E12BROWSER/FusionChart/Images : All Required Images put in this path

4. Dashboard component jsfor fusion chart API with package in E12Browser:

4.1.package path :E12BROWSER/FusionChart/js : All Required js put in this path

5. Dashboard component jsfor am chart API with package in E12Browser:

4.1.package path :E12BROWSER/amchart : All Required js put in this path

6. Dashboard component jspwith package inE12Browser:

4.1.package path :E12BROWSER/jsp : All Required jsp are put in this path

4.2. ExcelExport.jsp