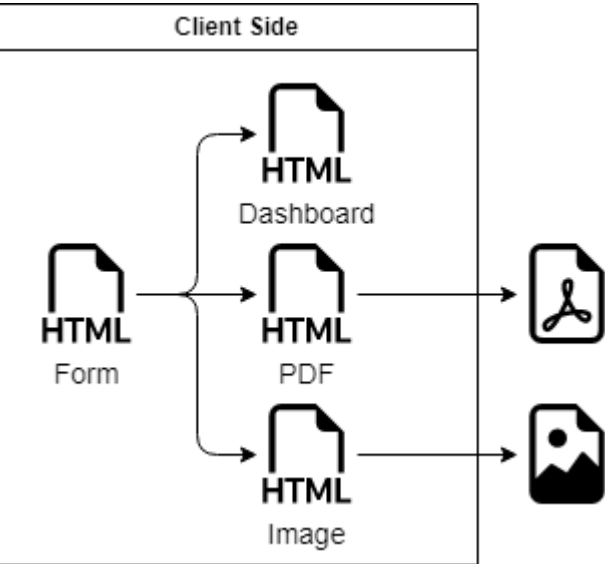Version: 4.2.2

Data Export

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The dReveal dashboard component provides methods to export its data to a file or stream in PDF, PNG, JPEG, and XLSX format. These methods are available on the client and server side.

Client Side Export

The workflow of the client side export is as follows:

The methods provided by the dashboard component on the client side are detailed below:

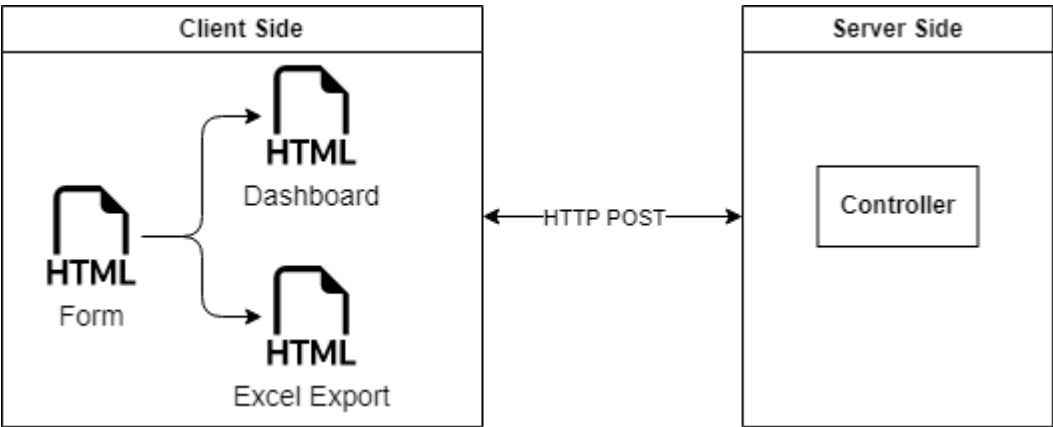| Name	Format
dashboardExportToPdf	PDF
dashboardExportToImagePro	JPG, PNG

The following code demonstrates how to implement the methods:

```
pdfButton.addEventListener("click", () => {
    dr.dashboardExportToPdf();
})

imageButton.addEventListener("click", () => {
    dr.dashboardExportToImagePro();
})
```

Server Side Export

The workflow of the server side export is as follows:

The methods provided by the dashboard component on the server side are detailed below:

Name	Return	Format
ExportToXlsxOnStreamResult	FileStreamResult	XLSX
ExportToXlsxOnStream	MemoryStream	XLSX

> These methods are located in the `Utils` class from the namespace `InfoArch.Web.Mvc.Helpers`.

It is important to mention that exists some properties in the `DashboardSettings` object located into the `DashboardViewModel` class, for customizing the Excel exportation. These properties are detailed below:

Property	Description
DashboardSettings.IncludeImageForExporting	Included the entire image, including all graphics, in an Excel spreadsheet
DashboardSettings.CustomFileName	Excel file name
DashboardSettings.CustomTitle	The title of the report in the Excel file

Controller

The following code demonstrates how to implement the methods in a controller class:

```
[HttpPost]
public FileStreamResult
DashboardReportExcel([ModelBinder(typeof(DRevealDataStructureBinder))]
DRevealDataStructure dashboardState)
{
    MemoryStream fileStream = GetFileStream(dashboardId);
    //Create DashboardViewModel
    DashboardViewModel viewModel = new DashboardViewModel(
        memoryStream: fileStream,
        connectionString: "Data Source=MyServer; Initial Catalog=myDatabase;
User ID=myUser; Password=myPassword",
        dashboardId: "dashboard-id",
        htmlFormId: "dashboard-form",
        fullGridControllerActionPath:
HttpContext.Request.Url.AbsolutePath,
        useNewExportToImagePro: true,
        filterComponentParentId: string.Empty,
        drillThroughControllerAction: string.Empty,
        saveDashboardControllerAction: string.Empty,
        excelXlsxExportControllerAction: string.Empty
    );

    viewModel.SetState(dashboardState);
    viewModel.LoadInitialConfiguration();
    //Set config in DashboardSettings
    viewModel.DashboardSettings.CustomFileName = "Mydasboard";
    viewModel.DashboardSettings.CustomTitle = "Title Dashboard";
    viewModel.DashboardSettings.IncludeImageForExporting = true;
    // Export Excel
```

```
26      FileStreamResult excelStreamResult =
    Utils.ExportToXlsxOnStreamResult(viewModel.DashboardSettings);

27

28      return excelStreamResult;
29  }
```

The other alternative is:

```
1   [HttpPost]
2   public FileStreamResult
    DashboardReportExcel([ModelBinder(typeof(DRevealDataStructureBinder))]
    DRevealDataStructure dashboardState)
3   {
4       MemoryStream fileStream = GetFileStream(dashboardId);
5       //Create DashboardViewModel
6       DashboardViewModel viewModel = new DashboardViewModel(
7           memoryStream: fileStream,
8           connectionString: "Data Source=MyServer; Initial Catalog=myDatabase;
    User ID=myUser; Password=myPassword",
9           dashboardId: "dashboard-id",
10          htmlFormId: "dashboard-form",
11          fullGridControllerActionPath:
    HttpContext.Request.Url.AbsolutePath,
12          useNewExportToImagePro: true,
13          filterComponentParentId: string.Empty,
14          drillThroughControllerAction: string.Empty,
15          saveDashboardControllerAction: string.Empty,
16          excelXlsxExportControllerAction: string.Empty
17      );
18
19      viewModel.SetState(dashboardState);
20      viewModel.LoadInitialConfiguration();
21      //Set config in DashboardSettings
22      viewModel.DashboardSettings.CustomFileName = "Mydasboard";
23      viewModel.DashboardSettings.CustomTitle = "Title Dashboard";
24      viewModel.DashboardSettings.IncludeImageForExporting = true;
25      // Export Excel
26      MemoryStream excelStream =
    Utils.ExportToXlsxOnStream(viewModel.DashboardSettings);
27      string fileName = $"
    {viewModel.DashboardSettings.CustomFileName}.xlsx";
28      string contentType = "application/vnd.openxmlformats-
    officedocument.spreadsheetml.sheet";
29
30      return File(fileStream ,contentType , fileName);
```

```
31    }
```