

导出单元格为图片

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- 2. 导出单元格为图片



1. 描述

如果单元格类型插件需要导出到Excel，这个单元格类型需要实现IExportCellType接口。



2. 导出单元格为图片

下面的示例中，当导出页面到Excel时，导出单元格为图片。

查看完整代码请参见：<https://gitee.com/huozige-china/image-export>。

操作步骤

1

在.cs文件中，添加如下代码：

```
namespace MyImageCellType
{
    [Designer("MyImageCellType.MyImageCellTypeDesigner,MyImageCellType")]
    public class MyImageCellType : CellType
    {
        public ImageValue ImageInfo
        {
            get; set;
        }
    }
    internal class MyImageCellTypeDesigner :
    CellTypeDesigner<MyImageCellType>, IExportCellType
    {
        public bool ExportPicture => true;

        public ExportResultInfo ExportToExcel(ICellInfo targetCell,
        IExportContext context)
        {
            var result = new ExportResultInfo();
            if (this.CellType.ImageInfo != null)
            {
                var folderName =
                context.DrawingHelper.ForguncyImageEditorFolderPath;
                if (this.CellType.ImageInfo.BuiltIn)
                {
                    folderName =
                    context.DrawingHelper.ForguncyBuiltInImagesFolderPath;
                }
                var imagePath =
                context.ExportImageContext.GetServerPathFunc("~/\" + folderName + "/" +
```

```

this.CellType.ImageInfo.Name);
        var imageSource =
context.GetPictureByPicturePath(imagePath, context.PictureSize.Width,
context.PictureSize.Height);
        result.ExportPicture = imageSource;
    }
    return result;
}

    public override FrameworkElement GetDrawingControl(ICellInfo
cellInfo, IDrawingHelper drawingHelper)
    {
        Grid container = new Grid();
        if (this.CellType.ImageInfo != null)
        {
            //uploaded image in ImageSelectorEditor
            var imagePath =
Path.Combine(drawingHelper.ForguncyImageEditorFolderPath,
this.CellType.ImageInfo.Name);
            if (this.CellType.ImageInfo.BuiltIn)
            {
                //builtin image in ImageSelectorEditor
                imagePath =
Path.Combine(drawingHelper.ForguncyBuiltInImagesFolderPath,
this.CellType.ImageInfo.Name);
            }
            Image image = new Image();
            try
            {
                image.Source = new BitmapImage(new
Uri(imagePath, UriKind.RelativeOrAbsolute));
            }
            catch (Exception)
            {
                //svg
            }
            image.Stretch =
System.Windows.Media.Stretch.Uniform;
            image.VerticalAlignment = VerticalAlignment.Center;
            image.HorizontalAlignment =
HorizontalAlignment.Center;
            container.Children.Add(image);
        }

        return container;
    }

```

```

    }
  }
}

```

在开头定义MyImageCellType，可使用图片的路径获取图片资源。还可以使用字节数组获取图片。

2

在.js文件中，添加如下代码：

```

var MyImageCellType = (function (_super) {
  __extends(MyImageCellType, _super);
  function MyImageCellType() {
    return _super !== null && _super.apply(this, arguments) || this;
  }

  MyImageCellType.prototype.createContent = function () {
    var self = this;

    var element = this.CellElement;
    var cellTypeMetaData = element.CellType;
    var container = $("<div id='" + this.ID + "'></div>");

    if (cellTypeMetaData.ImageInfo) {
      var imageDiv = $("<div></div>");
      if (cellTypeMetaData.ImageInfo.BuiltIn) {
        var imagePath =
Forguncy.Helper.SpecialPath.getBuiltInImageFolderPath() +
cellTypeMetaData.ImageInfo.Name;
      } else {
        imagePath =
Forguncy.Helper.SpecialPath.getImageEditorUploadImageFolderPath() +
cellTypeMetaData.ImageInfo.Name;
      }

      imageDiv.css("background-image", "url('" + imagePath +
"'");
      imageDiv.css("background-position", "center");
      imageDiv.css("background-size", "contain");
      imageDiv.css("background-repeat", "no-repeat");
      imageDiv.css("width", "100%");
      imageDiv.css("height", element.Height);

      container.append(imageDiv);
    }

    return container;
  };

  MyImageCellType.prototype.getValueFromElement = function () {
    return null;
  };

  MyImageCellType.prototype.setValueToElement = function (element,
value) {

```

```
};

MyImageCellType.prototype.disable = function () {
    _super.prototype.disable.call(this);
};

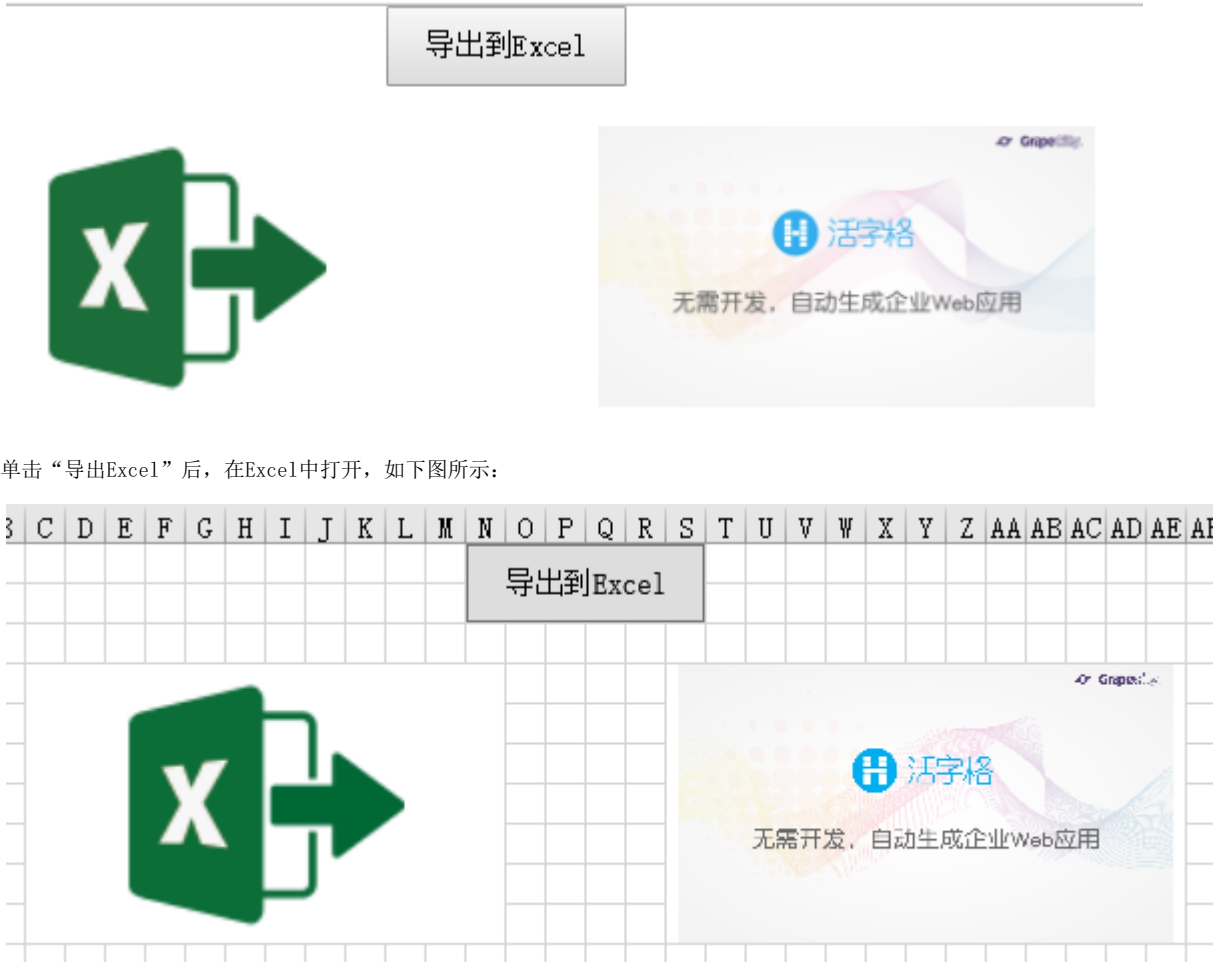
MyImageCellType.prototype.enable = function () {
    _super.prototype.enable.call(this);
};

return MyImageCellType;
}(Forguncy.CellTypeBase));
```

```
// Key format is "Namespace.ClassName, AssemblyName"
Forguncy.CellTypeHelper.registerCellType("MyImageCellType.MyImageCellType", MyImageCellType);
```

结束

重新构建工程并重启设计器，选择单元格并设置其单元格类型为“MyImageCellType”类型，分别选择内置图片和本地图片，运行页面如下所示：



单击“导出Excel”后，在Excel中打开，如下图所示：



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