



Web.config

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Overview

dReveal components require some configurations in Web.config file in order to work seamlessly.

<system.web> Section

Modules

Add the following **HttpModules** in system.web section:

```
<httpModules>
  <add type="InfoArch.Web.ASPxHttpHandlerModule, InfoArch.Web.v4.1.Mvc"
name="ASPxHttpHandlerModule" />
  <add type="System.Web.Handlers.ScriptModule, System.Web.Extensions,
Version=4.0.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35"
name="ScriptModule" />
</httpModules>
```

Handlers

Add the following **HttpHandlers** in system.web section:

```
<httpHandlers>
  <add verb="GET,POST" path="DX.ashx" validate="false"
type="InfoArch.Web.ASPxHttpHandlerModule, InfoArch.Web.v4.1.Mvc" />
  <add verb="*" path="*.asmx"
type="System.Web.Script.Services.ScriptHandlerFactory, System.Web.Extensions,
Version=3.5.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35"
validate="false" />
  <add verb="*" path="*_AppService.axd" validate="false"
```

```

type="System.Web.Script.Services.ScriptHandlerFactory, System.Web.Extensions,
Version=4.0.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
    <add verb="GET,HEAD" path="ScriptResource.axd"
type="System.Web.Handlers.ScriptResourceHandler, System.Web.Extensions,
Version=4.0.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35"
validate="false" />
</httpHandlers>

```

<system.webServer> Section

Validation

Include the validation section with **validateIntegratedModeConfiguration** disabled:

```

<validation validateIntegratedModeConfiguration="false" />

```

Modules

Add ASPxHttpHandlerModule module in system.webServer section:

```

<modules runAllManagedModulesForAllRequests="true">
    <add name="ASPxHttpHandlerModule"
type="InfoArch.Web.ASPxHttpHandlerModule, InfoArch.Web.v4.1.Mvc" />
</modules>

```

Handlers

Add the following **Handlers** in system.webServer section:

```

<handlers>
    <add name="MvcHttpHandler" preCondition="integratedMode" verb="*"
path="*.mvc" type="System.Web.Mvc.MvcHttpHandler, System.Web.Mvc,
Version=4.0.0.1, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
    <add name="AsmxHandler" verb="*" path="*.asmx"
preCondition="integratedMode"
type="System.Web.Script.Services.ScriptHandlerFactory, System.Web.Extensions,
Version=4.0.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35"
resourceType="Unspecified" />
    <add name="ScriptHandlerFactoryAppServices" verb="*"

```

```

path="*_AppService.axd" preCondition="integratedMode"
type="System.Web.Script.Services.ScriptHandlerFactory, System.Web.Extensions,
Version=4.0.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" />
    <add name="ScriptResource" preCondition="integratedMode" verb="GET,HEAD"
path="ScriptResource.axd" type="System.Web.Handlers.ScriptResourceHandler,
System.Web.Extensions, Version=4.0.0.0, Culture=neutral,
PublicKeyToken=31BF3856AD364E35" />
</handlers>

```

<dReveal> Section

dReveal offers a dedicated section for customizing configurations, allowing you to tailor various features to your preferences.

Add a new section group named '**dReveal**' within the **<configSections>**:

```

<configSections>
    <sectionGroup name="dReveal">
        <section name="compression"
type="InfoArch.Web.CompressionConfigurationSection, InfoArch.Common.Core.v4.1"
requirePermission="false" />
        <section name="settings"
type="InfoArch.Web.SettingsConfigurationSection, InfoArch.Common.Core.v4.1"
requirePermission="false" />
        <section name="fedramp"
type="InfoArch.Web.FedRampConfigurationSection, InfoArch.Common.Core.v4.1"
requirePermission="false" />
        <section name="dictionary"
type="InfoArch.Web.DictionaryConfigurationSection, InfoArch.Common.Core.v4.1"
requirePermission="false" />
        <section name="dashboard"
type="InfoArch.Web.DashboardConfigurationSection, InfoArch.Common.Core.v4.1"
requirePermission="false" />
        <section name="sqlserver"
type="InfoArch.Web.SqlServerConfigurationSection, InfoArch.Common.Core.v4.1"
requirePermission="false" />
    </sectionGroup>
</configSections>

```

Compression

```

<compression
  enableCallbackCompression="true|false"
  enableResourceCompression="true|false"
  enableResourceMerging="true|false"
/>

```

Attributes

Attribute	Description
enableCallbackCompression	If true , the server compresses AJAX requests before sending them to the client (only for the HTML page); Otherwise, the server does not compress anything. For example when grouped by column in the Grid component.
enableResourceCompression	If true , the resources (scripts and stylesheets files) are compressed by the server before being posted to the client; Otherwise, the server does not compress anything.
enableResourceMerging	If true , the resources (script and stylesheet files) are combined by the server before to be sent to the client; Otherwise, the server does not combine anything.

Settings

```

<settings
  rightToLeft="true|false"
  doctypeMode="Html5|Xhtml"
/>

```

Attributes

Attribute	Description
rightToLeft	This option specifies whether or not to use the right-to-left layout direction, such as the text direction, for the cells in the grid report.

Attribute	Description
doctypeMode	This option specifies the document type Html5 or Xhtml.

FedRAMP

Configure the dReveal environment to accommodate rules based on the FedRAMP.

```
<fedramp
  enable="true|false"
  enableAntiForgeryToken="true|false"
/>
```

Attributes

Attribute	Description
enable	Enable or disable FedRAMP. Default: false .
enableAntiForgeryToken	If true , ensure that the ASP.NET generated Anti-Forgery token complies with FedRAMP rules. Default: false .

Dictionary

A dictionary is a key-value pair that you can define within the model designer. In this section, you'll find guidance on how to control their creation when a report is displayed.

```
<dictionary
  enableClientSide="true|false"
  refreshOnFilterApply="true|false"
/>
```

Attributes

Attribute	Description
enableClientSide	If true dictionaries are created during the first server request and saved in the client-side cache. If false dictionaries are created with every server request. Default: true .
refreshOnFilterApply	If true dictionaries are updated when filters are applied. Default: false .

Dashboard

```
<dashboard setAsyncMethods="true|false" />
```

Attributes

Attribute	Description
setAsyncMethods	If true certain methods are parallelly executed during the initial configuration loading of the dashboard report, improving performance and reducing response time. Default: true .

Data Sources

```
<sqlserver
  executionFormat="Inherit|Nested|Cte"
  paginationType="Index|OffsetFetch"
  cleanColumns="false|true"
/>
```

! INFO

[Subqueries](#) and [common table expression](#) in SQL Server.

```
<mysql
  executionFormat="Inherit|Nested|Cte"
  cleanColumns="false|true"
/>
```

! INFO

[Subqueries](#) and [common table expression](#) in MySQL.

Attribute	Description
executionFormat	<p>The format type has the SQL query for the report before it is executed.</p> <ol style="list-style-type: none"> 1. Nested: This format utilizes subqueries to construct SQL queries for reports. 2. Cte: This format utilizes common table expression to construct SQL queries. 3. Inherit: It inherits the format type (Nested, CTE) that was configured in the model designer. <p>Default: Inherit.</p>
cleanColumns	<p>Sets the setting to remove unused columns in the database query.</p> <ol style="list-style-type: none"> 1. true: Remove unused columns from the database query. 2. false: Do not remove unused columns from the database query. <p>Default: false.</p>
paginationType	<p>The strategy is used for paginating Grid reports. Only support SQL Server.</p> <ol style="list-style-type: none"> 1. Index: It utilizes the SQL Server's ROW_NUMBER function for pagination. 2. OffsetFetch: It utilizes the SQL Server's OFFSET/FETCH clause for pagination. <p>Default: Index.</p>

<appSettings> Section

Simple pagination

This setting exclusively impacts Grid Reports.

```
<add key="EnableSimplePager" value="true|false" />
```

If **true**, the pagination section displays only the current page number. When set to **false**, it shows the row count of the Grid report, current page number, and total page count.

Cloud-based database

```
<add key="IsDBInCloud" value="true|false" />
```

If **true**, it prepares the connection string for connecting to a cloud-based database (Azure, AWS, etc.).