

.NET Reusable Components

business intelligence & reporting

NReco PivotData Toolkit

[.NET 4.0](#) [.NET Core](#) [ASP.NET MVC/WebForms](#)

.NET SDK for data aggregation and advanced pivot table reports generation. Implements in-memory data cube, OLAP-operations, pivot table HTML rendering and exports. Includes web pivot table builder (js frontend). Can be used for creating embedded BI dashboards.

PivotData Microservice

[.NET Core](#) [REST Service](#)

Microservice (.NET Core app with web API) for embedded analytics & reporting without OLAP server. Built-in json-configurable connectors for SQL/MongoDB data sources. Includes web pivot tables & charts builder (js frontend). Reports may be exported to HTML, JSON, CSV, Excel, PDF.

Javascript Pivot Table

[Javascript](#) [jQuery Plugin](#) [ASP.NET MVC](#)

Advanced features for pivot.js jQuery plugin: sort by values/labels, fixed headers, pivot table data for exports, drill-down event. ASP.NET MVC integration (optional): UI builder for report SQL query, exports to CSV/Excel/PDF.

Javascript Query Builder

[Javascript](#) [jQuery Plugin](#) [ASP.NET MVC](#)

NReco Query Builder is a javascript widget for building complex data filters. ASPNET integration provides backend that translates UI widget state into SQL or MongoDB query.

file format .NET APIs

HTML-to-PDF Generator

[.NET 2.0](#) [.NET 4.0](#) [Mono](#) [.NET Core](#)

WkHtmlToPdf .NET wrapper that performs HTML-to-PDF conversion. Supports page header/footer, page numbering etc.

HTML-to-Image Generator

[.NET 2.0](#) [.NET 4.0](#) [Mono](#) [.NET Core](#)

WkHtmlToImage .NET wrapper that performs HTML-to-image conversion (jpg/png). Can be used for getting web page thumbnail.

PDF-to-Image Renderer

[.NET 2.0](#) [.NET 4.x](#) [Mono](#)

.NET wrapper for poppler tools that renders PDF pages to images (web preview, thumbnail etc).

PhantomJS .NET Wrapper

[.NET 4.0](#) [Mono](#) [.NET Core](#)

NReco.PhantomJS is a .NET wrapper for running PhantomJS from C#/.NET code (headless WebKit browser).

VideoConverter | VideoInfo

[.NET 2.0](#) [.NET 4.0](#) [Mono](#) [.NET Core](#)

FFmpeg .NET wrapper for converting media files (video, audio). Can extract video thumbnails, transcode/decode live media streams, encode video from images etc.

data access & processing

NReco Data Access library

[.NET 4.5](#) [.NET Core](#)

High-performance schema-less data access library for .NET and .NET Core. Can be used with any ADO.NET provider.

Recommendation Engine

[.NET 4.0](#) [.NET Core](#)

Fast collaborative filtering engine (C# port of Apache Mahout CF) that takes users' behaviour and from that tries to find items users might like.

Natural Language Query

[.NET 4.0](#) [.NET Core](#)

NLQuery performs rule-based named entity recognition (NER) Can be used for natural language interfaces in .NET applications (smart data list filters, search-driven reporting etc).

Database EAV Storage

[.NET 4.0](#) [ASP.NET WCF REST Service](#)

Provides .NET and REST API for SQL-based EAV (entity-attribute-value) data model. Useful in applications with dynamic data schema (user-defined fields/entities, reporting apps).

GraphQL API for SQL DB

[.NET 4.5](#) [.NET Core](#)

Simplifies creation of GraphQL API for existing SQL database: generates GraphQL schema by database schema, translates GraphQL queries to SQL.

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