# Shared Library

Shared Library is a project in Stash: <https://stash.euromoneydigital.com/scm/fow/arcadia-shared-library.git>  
  
Other Stash projects it depends on:

* <https://stash.euromoneydigital.com/scm/fow/elmah.git>  
  Source code for the ELMAH library custom build (see details below)
* <https://stash.euromoneydigital.com/scm/fow/arcadia-external-dependencies.git>  
  Collection of third party libraries

Shared Library contains a number of different general helpers and classes, which can be useful in different projects.  
  
Shared Library depends on a number of other third party assemblies.  
Below there is a table which provides paths and links for assemblies; for paths it is assumed that stash.euromoneydigital.com/scm/fow/elmah.git was fetched to local folder “elmah”, and stash.euromoneydigital.com/scm/fow/arcadia-external-dependencies.git to the “External Dependencies”.

## Third party libraries description

|  |  |  |  |
| --- | --- | --- | --- |
| Library | Version | Description | Link |
| ELMAH | 1.2.14706.955 | Custom build | **Source code:** <https://stash.euromoneydigital.com/scm/fow/elmah.git> **Local version:** External Dependencies\ELMAH\Elmah.dll **Official site:** <https://code.google.com/p/elmah> |
| LukeSkywalker.IPNetwork | 1.3.1.0 |  | **Official site:** <https://github.com/lduchosal/ipnetwork> **Local version:** External Dependencies\IPNetwork\LukeSkywalker.IPNetwork.dll |
| Newtonsoft.Json | 6.0.8.18111 |  | **Official site:** <http://www.newtonsoft.com/json> **Local version:** External Dependencies\Newtonsoft\Newtonsoft.Json.dll |
| Telerik.Web.Design  Telerik.Web.UI | 2010.3.1109.20 |  | Taken from the EuroMoney’s “External Dependencies” folder in SVN. The latest available version at the moment of development. **Local versions:** External Dependencies\Telerik\RadControls\Q3 2010 For ASP.Net Ajax\Bin20 |

1. ELMAH (Error Logging Modules and Handlers) is an application-wide error logging facility.   
   Custom build: stash\External Dependencies\ELMAH\Elmah.dll  
     
   Available via NuGet.  
     
   Shared Library references a custom build of this library.  
   Build is based on ELMAH version 1.2.14706.955.  
   Changes described in file: stash\Elmah\Vitaly Chupaev - Changes done to original ELMAH.docx  
     
   In current configuration ELMAH library works with database and stores data on SQL server, ELMAH must be configured in your application in order to have a log. There is a set of SQL scripts coming with ELMAH source code. In Stash only the SQL Server version is updated.  
     
   Suggested installation steps:   
   1. Fetch ELMAH custom source code from Stash  
   2. Use SQL script from source code to create database on SQL Server  
   3. Install EMAH using NuGet to get settings applied to configuration file in your project  
   4. Manually change reference to the custom assembly in External Dependencies.
2. IPNetwork - command line and C# library take care of complex network, IP, IPv4, IPv6, netmask, CIDR, subnet, subnetting, supernet, and supernetting calculation for .NET developers. It works with IPv4 as well as IPv6, is written in C#, has a light and clean API, and is fully unit-tested
3. Json.NET - popular high-performance JSON framework for .NET
4. Telerik libraries are used for RadGridEx – an extended Telerik RadGrid with ability to work with ASP.NET Dynamic Data.

It is not necessary to have all of these dependencies In your application if you do not use appropriate helpers. Visual Studio will copy dll files to output folder automatically during the build, but you can skip them in your distribution package. For example, if you do not use Telerik RadGrid, you do not need Telerik assemblies. Same for other assemblies.

# Helpers

1. CacheHelper – helper, which simplifies some common tasks with System.Web.Caching.Cache class.  
   Main feature – asynchronous method with data parameter of type Func, it accepts