

# Eliassen - Shared Framework for .Net

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## Summary

This is a collection of libraries designed to allow for faster and more consistent development using .Net

## Major Features

### Message Queueing

Messages and business event supported is provided by the `Eliassen.MessageQueueing` libraries.

Handlers are provided in process though an Hosting Engine extension.

### Current Implementations

- In Process `ConcurrentQueue` - Built in
- Azure Storage Queues - Requires `Eliassen.Azure.StorageAccount`

### Text Templating

Text Templating is a native portion of the framework. It is designed to provide a common way to generate simple text content. `Eliassen.System.Text.Templating`

### Current Implementations

- XSLT 1.0 - Built in `XsltTemplateProvider`
- Handlebars.Net - Requires `Eliassen.Handlebars.Extensions`

### ASP.Net Core Extensions

These extensions include

- Common query though IQueryable support as controller actions
- SwaggerGen extensions for oauth2 authentication as well as enumeration of options for querying
- CultureInfo mapping based on request/response headers
- Application Permission filtering based on Claims authorization
- Improved OAuth/JWT configuration support

### Communications

The communications provides a common means for sending and receiving messages between users and your application. `Eliassen.Communications`

Additional queue mapping provided from `Eliassen.Communications.MessageQueueing`

## Current Implementations

- MailKit - IMAP (inbound) / SMTP (Outbound) Requires `Eliassen.MailKit`
  - IMAP support is currently in design and is not fully supported at this time.

## MongoDB Extensions

Define a common means to support mongo collections from within .Net applications. Also provides serialization and query extensions. `Eliassen.MongoDB.Extensions`

## Common Query Extension

Common query support is build into the base framework. `Eliassen.System.Linq.Search` This extension also provides a common means for not only search and filter but also sorting and paging.

## MS Test Extensions

`Eliassen.TestUtilities`

## Tooling

### TextTemplating

`Eliassen.TemplateEngine.Cli`

### FixSourceLinking

`Eliassen.FixSourceLinks.Cli`

## Proposed Features

### Event Scheduler

### Permission Based Redaction