**Wipcore eNova API**

System Architecture

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# Overview

The purpose of Wipcore eNova API is to provide a modern interface to eNova with the following properties:

* Low coupling to other systems
* Support for many different type of clients
* Highly scalable

# Use-cases



## Actors

### Site

Functionality for end-users

### Webadmin

Functionality for ecommerce administration

### ElasticSearch

Functionality for indexing of information

# Design

The API acts as a service layer on top of eNova business engine, enabling high-level and low coupled integration with clients. The API is based on REST principles.



# Implementation



Layers and frameworks

## Components



### Wipcore.eNova.Api.NETClient

Contains code to simplify communication by wrapping http communication details. To be used from a .NET client.

### Wipcore.eNova.Api.JSClient

TBD

### Wipcore.eNova.Api.Models

Contains simple DTO:s for transferring data between client and server.

### Wipcore.eNova.Api.WebApi

Contains the REST-based services.

### Wipcore.eNova.Api.Interfaces

Contains interfaces to enable customization of API behavior.

# Deployment

Example of deployment. With the API, clients can be scaled independently of eNova. Clients are loosely coupled to eNova using http.



Example deployment