

.NET eCommerce Framework (ECF) Feature Matrix



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Depending on your perspective, the ECF has a wealth of features and capabilities designed to help you launch powerful end-to-end commerce solutions. This feature matrix provides you a quick snapshot of the features and capabilities for the following types of individuals:

- Business Management and Merchants
- Technical, IT Development, or Engineering Resources
- Catalog/Product & Administrative Resources
- Marketing and Promotions Teams
- IT Infrastructure, Operations & Networking
- Other

It is important to note that a key feature of the ECF is its ability to be adapted and customized to meet your own specific business needs. The ECF provides you with a very strong base that you can leverage to launch virtually any type of content and commerce solution in a variety of configurations and sizes.

General Business Features and Capabilities

Supported Commerce Based Solution Types

-Business to Consumer (B2C)	-Business to Government (B2G)
-Business to Business (B2B)	-Enterprise Intranet / Extranet Sites
-Business to Employee (B2E)	
-Any other type of custom solution requiring combined content & eCommerce business needs	

Core Business Features

-Customer Self-service Accounts	-Shipping Gateways/Methods
-Full Featured Shopping Cart	-Shipping Packages with Surcharges
-Catalog / Content Management & Publishing	-Tax Management (by country, region and zip)
-Role Based Catalog Security	-Email Campaigns
-Product & SKU Management	-Coupons & Discounts
-Order Management	-Built in Extensible Statistics & Reporting
-Affiliates and Affiliate Management	-Multi-Language / Multi-Currency Support
-Digital Downloads	-Warehouses & Inventory
-Batch Updates	-Flexible Data Import / Export
-Order Processing Workflow	-Virtual Content Pages
-Support for Serial Numbers Generation	-Event Logging
-License Management	-Automated Email Notifications
-Currency Rates / Exchange (Real-time)	-Search Engine Optimization
-Payment Plans/Recurring Billing	-Customer Self Service
-Real-Time Carts	-Anonymous Checkout
-Built in Payment Gateways	-Estimated Shipping Rates
-Custom Payment Gateways	

Customer / End User Experience Features

Design, Branding & Localization Features

-Any type of design, brand, navigation, & theme through flexible master pages	-Supports any language on Front End as well as Back End for localization
-Flexible template based model for categories, products, SKUs, Virtual Pages, Downloads & more...	-Multi-language, multi-currency product catalogs
Multiple Templates included with a distribution	

General Navigation & Shopping Experience Features

-Single or Multi-Level Site Navigation of any kind	-Product Specifications
-Includes Breadcrumb support	-Customizable Search
-Multi-Level catalog browsing	-View promotions, sales & discounts
-Find / Search categories and products, define searchable field	-View shipping estimates & stock availability
-1 Click filters based on criteria templates	-Access any type of additional content pages
-Type based product template display	-Support, terms, privacy, company, etc.

-Recommended products	-Customer registration
-Cross / Selling & similar products	-Customer address book
-Related accessories	-AJAX enabled targeted usability
-Product / Customer reviews	-Supports cookie-less shopping experiences
-Inline Editing (AJAX)	-Search Friendly URLs
Shopping Cart / Checkout & Self-Service Features	
-Customer Cart / Checkout	-Customer Self Service
-Add / Remove / Modify Products & Quantity	-Customer Authentication
-Promotions & eCoupons	-Password Reminder
-Multi-Level Promotions	-View Order History & Details
-Ship to multiple addresses (for all shipping gateways)	-Modify Billing & Shipping Addresses
-Expedited checkout without needing an account	-View Digital Downloads & Updates
-Estimated shipping	-Change Email, Password & Contact Information
-Multiple shipping options	-Customer Specific Downloads
-Multiple service charges, i.e. Gift Wrapping	
-Multiple payment options	
-Fast registration with password encryption	
-Order confirmation with web receipt	
-Email receipts & notifications	
-AJAX enabled targeted usability	
Site Administration & Operations	
Catalog, Category, & Content Management	
-Full site structure context	-Leverage "Page Link" redirection
-Content management	-Search engine optimization (SEO)
-News	-Polls
-Product comparisons	-Page Title
-Multiple language trees	-Meta keywords
-Categories & sub categories drill down	-Meta descriptions
-Inherited copy / clone functionality	-Automated URL Re-Writing
-Full move / copy / delete including cross tree	-Auto Image Resizing
-Security & role access control	-Define Searchable Attributes
Built-in for Categories, Products, Downloads, & Virtual Pages	-Unlimited Number of Custom Attributes
-Category display template association	-Primary & catalog images for template rendering
-Product display template association	-"Fast" Batch UI updating driven by meta data
-Import / export via XML/CSV/Excel	
-Virtual Pages Template Association	
-Meta attributes & discount association to categories	
Product Management	
-Complete Product Detail Management	-"Fast" Batch UI Updating Driven My Meta Data
-Overview	-Product "Filtering" Control
-Detailed Data / Images (Meta Data Driven)	- Can be Template / Meta Data Driven
-Multiple Category Association	-Can be associated within category Display Navigation
-SKU's and Variations	-Search Engine Optimization (SEO)
-Cross Selling	-Page Title
-Accessories	-Meta Key Words
-Picture / Image Library	-Meta Description
-Download Association (For Digital Goods)	-Dynamic Attribute Management
-Product Reviews / Editorial	-Automated URL rewriting for Products, and Pages
-Template & Attribute Classes	-Import / export via XML/CSV/Excel
-Unique Product Codes	
-Primary & Catalog Images for Template Rendering	
SKU Management & Inventory	
-Shipping / Non-Shipping	-Unique SKU # Generation
-Associate Packages	-Tax Categorization
-Associate Additional Charges	-Recurring Billing
-Associate Warehouse	-Time, Length

-Stock Quantity	-Stop After
-Reserved Quantity	-"Fast" Batch UI Updating with Available Attributes
-Re-Order Minimum Quantity	-Licensing Attachments
-Out of Stock Visibility	-Digital Goods / Subscriptions
-Availability	-Serial Number Sets
-Attribute Class Driven for additional attributes	-Download Sets
-Editing Screen & Batch updates automatically adjust	-Import / export via XML/CSV/Excel
Order Management	
-Find / Search Orders	-Order Batch Workflow Processing
-Name, Email, Order #, Order Status, Company, etc.	-Create / View Payment Plans
-Quick Filter Tabs	-Real - Time Carts
-View Partly Filled	-Export Order Data
-View Unfulfilled Orders	-View Tracking Numbers
-View Fulfilled Orders	-View Products from Shipping Order
-Cancel Orders	-Modify Billing Information
-Resend Order Notifications	-Define your Own Status
-View / Edit Order Details	-Digital Goods Release Based on Status
-Complete Orders	-Specify shipment tracking number
-View Payment & Delivery Status	-Add notes
-Modify Shipping Information	-Support for download policies (make downloads available only on certain order status, ex. "Verified")
-Create / View Shipment Details	
-View / Process Payment Information	
-Edit Individual Shipments	
Customer Management	
-Find / Search Customers	-Associate Discount to Customer
-First, Last Name, Email, Company	-Specify content/products Customer can access/modify
-Create New Customers	-Specify custom attributes
-View Customer Details	-Import / export via XML/CSV/Excel
-View Customer Order History	-Address Book
-View Order Details	
-Change Email / Password	
-Login "on behalf" of Customer	
-Customer Roles / Groups	
-Export Customer Data	
Promotions & Coupon Management	
-Email Campaigns	-Discount Options
Can be Targeted by Customer Role	Whole order
-Discount Pricing Engine	Whole order except these SKUs
-Electronic Coupon / Promo Codes	Assigned category(s)
-Copy / Clone Promotions	All of these SKUs
-Requirement Options	One of these SKUs (the most expensive purchased)
None	-Volume, Percent, Fixed Price, and Timing Rules
Discount must be assigned to customer	
Must purchase all of these SKUs	
Must purchase one of these SKUs	
Had purchased all of these SKUs within N days	
Had purchased one of these SKUs within N days	
Had purchased all of these SKUs on or after X	
Had purchased one of these SKUs on or after X	
-Limitations	
Unlimited	
One time only	
One time per customer	
First N customers	
Payment & Shipping Management	
-Payment Gateway Definition Management	-Shipping Methods
Friendly Names	Online Download

Customer Display Control	Regular Shipping
Tied to Recurring	Per Weight
Processing Configuration info	Customize Your Own
-Pre-Built Payment Gateways	-Shipping Providers (Built in)
PayPal	Fixed Price
Authorize.NET	Percentage of Total Order Price
Verisign Payflow Pro	Cost per Unit Weight
Other Payment – Phone, Purchase Order, Check, etc...	US Postal Service Domestic
-Certified 3rd Party Gateway's	FedEx
Over 50 Payment Gateways via nSoftware Component	US Postal Service International
-Build Custom Gateways	-Shipping Packages
Build or Connect ANY Payment Gateway you Need	Collates Provider and Package and Package Types
-Management	Enables Additional Charges
Restricted Countries and Regions	Customize Your Own
Shipping Provider/Type Control	-Build Custom Gateways
	Build or Connect Any Gateway you Need
Reporting & Data Export	
-Sales Reports	-Operational Reports
Order Sales	Event Logging
SKU Sales	Error Logging
Affiliate Sales	Transaction Logging
-Built in Statistics Engine	Message Queuing
Geographic Reports	-Custom Reporting
Referring Sites	Support for SQL Server Reporting Services
Page Group Stats	Use other 3rd Party Reporting Systems
Custom Event Stats	
Digital Downloads Management	
-Multiple Sets	-Versioning
-Download Policies	-Storage
Built In	Internal Storage
Customizable Policies	External Services Url - .ie DRM
-Release Date	-Related Versions Archive
-Category Association	
-Product Association	
Inventory & Warehouse Management	
-Inventory by SKU	
-Disable Inventory for Digital Products	
-Reserve Quantities	
-ReOrder Minimum	
-Receive Inventory	
-Out of Stock Visible	
-Warehouse Association	
-Warehouse Management	
Address/Location	
Active/Inactive	
Data Import & Update Management	
-Upload Data Files	-Incrementally update existing fields and records
-Create Re-Usable Mapping Files	
-Import and Update Data	
Categories	
Products	
Skus	
Customers	
-Meta Data Mapping	
Automatic Field Adjustments	
Selectable Encoding	
Delimiters and Qualifiers	
Configuration & Operational Settings	

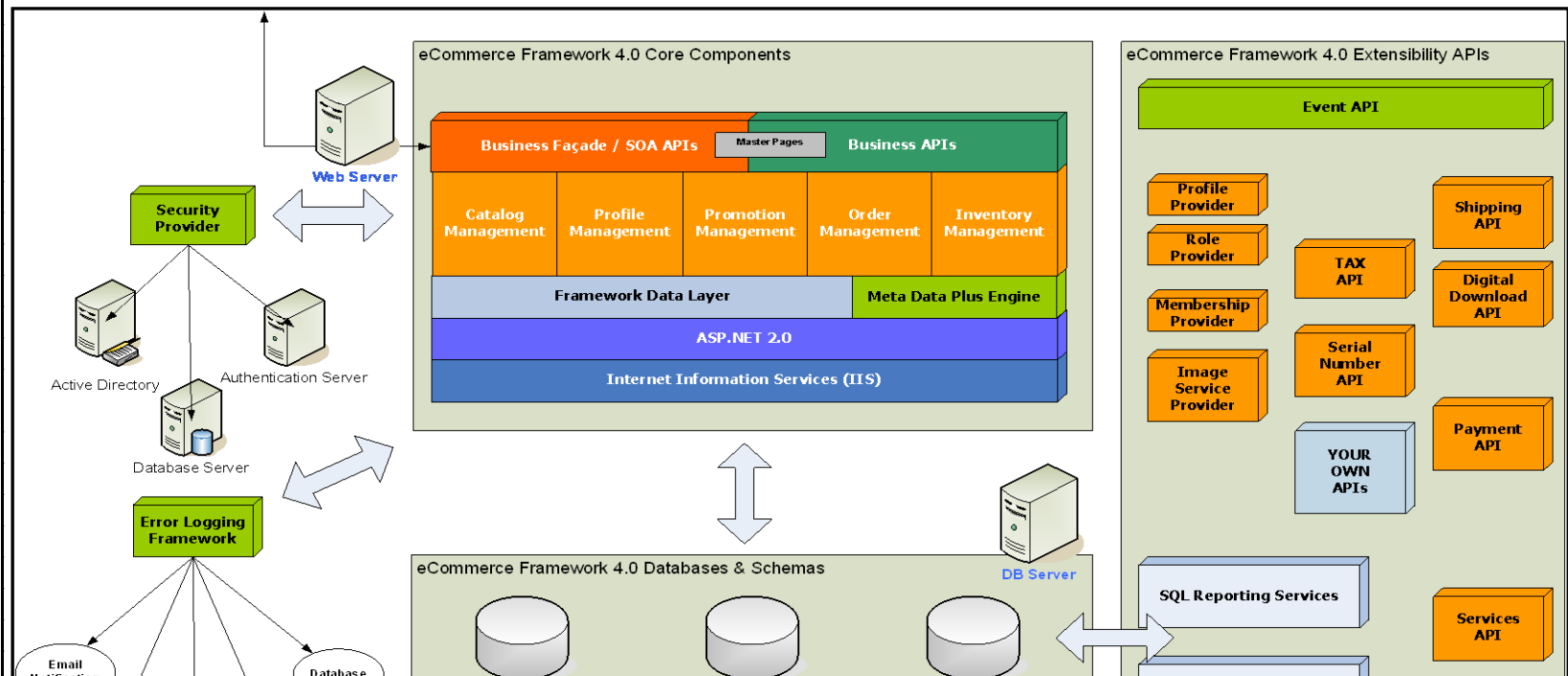
-Global Settings	-ECF Services Control/Scheduling
Store Closed Message	Maintenance
Global Name	Recurring Payments
Require e-Mail Validation	E-Mail Notifications
Web Services Setting	Statistics Generation
Default Currency/Language	Add Custom Services
Base Weight	View Service History
HTML Editing Mode	-Site Administration/User Accounts
Reporting Server Url	-Currency Rates
More...	Manual
-Dictionaries	Automatic
Countries, Regions	-Affiliates Management
License Agreements	Affiliates Setup
Languages	Unique Identifier
Packages	Commission Tracking
Order Statuses	-Tax Management
Serial Number Sets	Tax Categories and Regional Taxing
-User Interface/Data Control	Tax Jurisdictions
Master Templates	Custom Tax Modules
Tied to Master Pages Implementation	-Events Control Manager
Uses Strong Manifest File	Categories
Built In Notification Templates	Identifiers
Meta Classes (easy migration - exports to a file)	Programmable
Attributes	

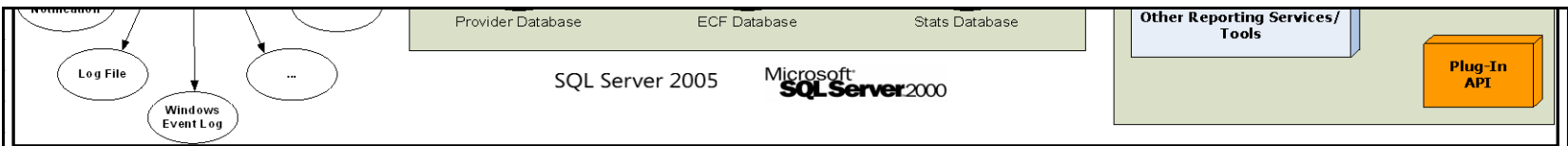
Technology, Developer, and Architectural Features

General Developer / Technical Features

-Written completely in C#	-ECF Event Based Plug-Ins
-Accessible by any .NET Language	-SOA- Web Services Architecture
-Supports .NET 2.0 Framework (V4)	-Easy Systems Integration
-AJAX Utilization for Customer Experience	-Data Interfacing, Import / Export
-Extensible Feature-Rich Framework	-Fully Documented API
-Flexible Templates / Virtual Pages	-Complete RPS Developer Tutorial
-Advanced Meta Data Services	-Full Source Code Available
-Microsoft Enterprise Reporting Services	-High Performance Caching
-Front End Business Façade in Web Services	-Error Handling & Logging
Supports ANY Technology that can consume Web Services	-VS.NET 2005 ECF Starter Kits
i.e. Flex, Java, PHP, CFM, C, C++, etc...	-WSE 3.0 Support

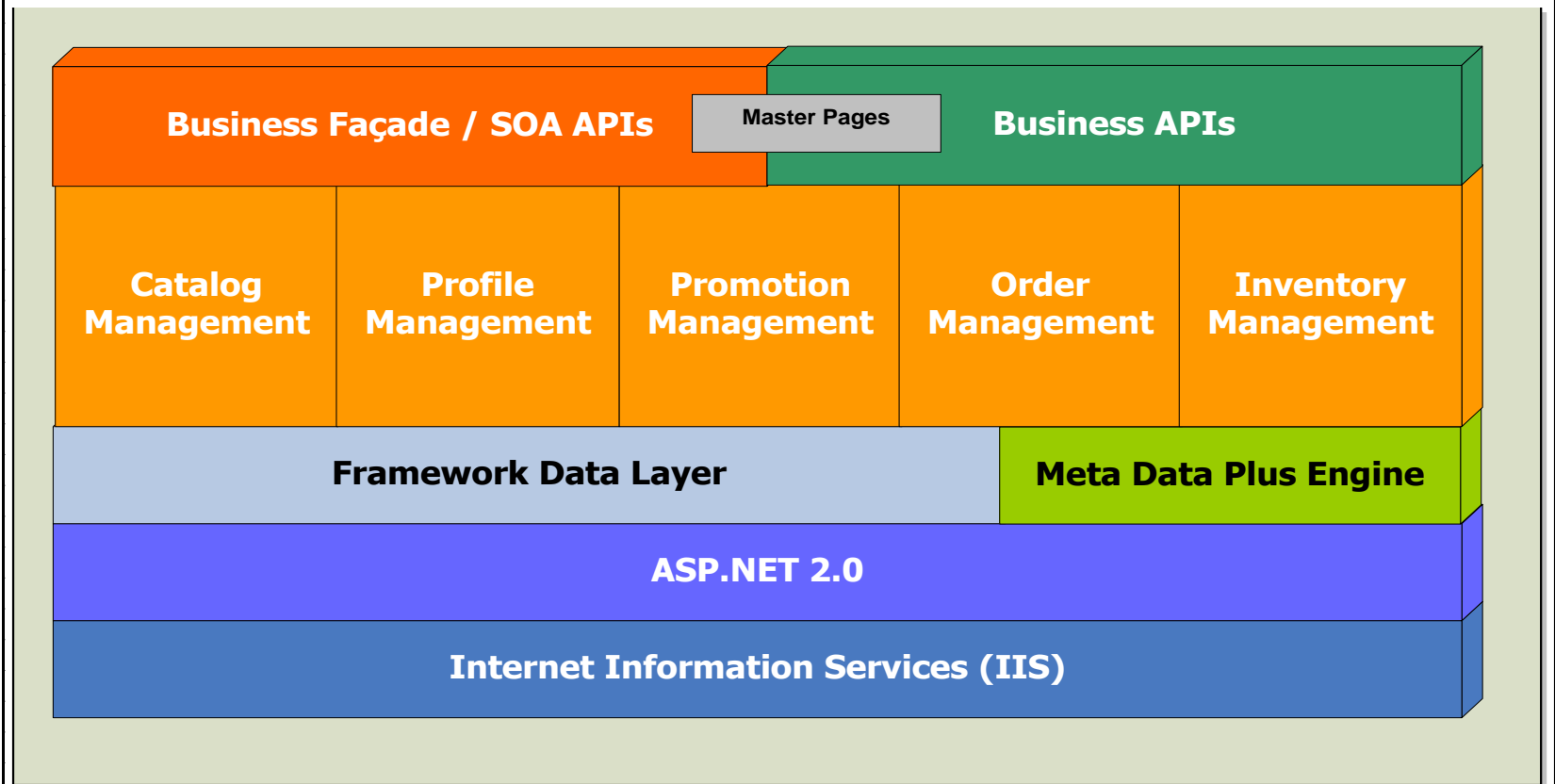
Strong Architecture / Extensibility Model





Additional Technical Features

-Architectural/Code Base	-Database Server Support
Modular/Layered Architecture	SQL Server 2005, SQL Server 2000
Targeted to .NET 2.0 Framework	SQL Express (2005), MSDE (2000)
Framework Written in 100% Managed Code/C#	-.NET Version Support
Strong use of Meta Data and Object Orientation	Microsoft .NET Framework 2.0
Advanced Meta Data Plus (MDP) Engine	-Trust Level Support for Hosting
-Performance/High Availability and Tuning	Medium and Full
Optimized SQL Statements	-.NET IDE
Performance Tuned Caching	Microsoft VS.NET 2005
Web Farm Support	
Follows Microsoft Best Practices	
Error Handling and Logging	
-Flexibility/Adaptability	
Every Aspect of the Framework is Extensible	ECF Services Framework
Web Services/SOA Front End Architecture	ECF Plug-Ins Framework
Use Any WS Consumer technology to Adapt to Commerce Services	ECF Master Templates
Integration/Automation Interfaces	ECF Extensibility APIs



3rd Party, Systems Integration, & EcoSystem

ECF Supports Any Type of Customization and Integration

One MAJOR Feature of the ECF is that the ECF product itself is designed for change and customization. As a result Most Importantly – You can create your OWN features and Integrations as you, your customers, or your business needs dictate. Here are some things to consider regarding ECF Integration.

-Create Rich Customer Experiences	-Instantly Re-Usable Code Base
-Integrate Payment, Shipping, & Fulfillment Systems	-Leverage Your Library of .NET Controls/Components
-Integrate with 3rd Party Systems	-3rd Party Plug-Ins and .NET Components

-Extend Your Business Processes	-Enable and Connect to Workflow Subsystems
-Enable Network Monitoring and Instrumentation	-Utilize ECF Developer Community Contributions
-Integrate Existing Order and Inventory Systems	-CRM and Sales Force Automation
-Tie in Point of Sale Systems	-Develop Integrated Call Center Applications
-Use ECF Services Architecture to Roll Your Own	

Packaging, Documentation, & Licensing

Intelligent Packaging with All You Need to Succeed

-Complete Distribution Package & Documentation

-Intelligent Installation and Configuration Wizard

Start to Finish Wizard Guidance

Support for Manual Installations

IIS Setup and Configuration

Complete Database Scripts

Full Example Catalog and Content to Learn From

Master Template Design Theme and Templates

-Complete Documentation Package

Getting Started and Setup Guide

Installation Overview

Best Practices

Deployment Considerations

Licensing and Activation

Compilation Guides

RPS Developer Guide/Tutorial - Fast Track Education

9 Easy Steps to Build your First Working Store

Code Examples and Walkthroughs

Developer Guide/API

Developer API Guide for Front End Web Services

Full Framework API Documentation

DB Schema

Application Architecture Guide

-Backend Operations and Admin User Guide

-Localization/Multi-Language Guide

Flexible Licensing Options

Developer Seat/QA Licensing

Production Deployment Licenses

Full Source Code Licenses

Easy Activation

VS 2005 Starter Kits

Payment Gateway Development

Shipping Gateway Development

ECF Add-On Charges Development

ECF Services Kit

ECF Events Plug-In Kit

More at Paddy 'Os Corner - Tips, Tricks, and Tools

<http://www.mediachase.com>

Note: Trial License provides full featured development access for 45 Days.

Support, Maintenance and Upgrades

Learning More, Getting Assistance, and Accessing Support Tools

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Support and Assistance

<http://www.mediachase.com/forums/>

<http://www.mediachase.com/community/>