

# PilotFish Product Specifications

<b>SUPPORTED PLATFORMS</b>
Windows
Linux / Unix / AIX / HP-UX
Mac OSX
<b>SUPPORTED APPLICATION SERVERS</b>
Windows Service
Apache Tomcat
JBoss / WildFly
WebSphere Application Server (WAS)
Glassfish
WebLogic
Any Other Java Container
<b>SUPPORTED DATABASES</b>
Any JDBC DB (MS SQL Server / Oracle / DB2 / Postgresql / MySQL / MariaDB / Java DB / Derby / H2)
MS Access
MongoDB
<b>SUPPORTED FORMATS</b>
HL7 2.x / 3.x / FHIR
CCD / CDA
EDI X12
Positional Flat Files
Delimited Files (CSV / Custom)
Key / Value
XLS / XLSX
DICOM
XML
JSON
PDF
NCPDP
Binary (.wav / .jpg)
<b>SUPPORTED PROTOCOLS</b>
Database (JDBC)
Email (IMAP / POP3 / SMTP)
Local / Network File System
FTP / SFTP / FTPS
TCP / UDP Sockets
HL7 LLP
HTTP/S
OAuth2 (JWT / Token Introspection)
Messaging (JMS / MQ / MSMQ / RabbitMQ / Kafka)
EMR API Call
Web Services (SOAP, RESTful)
Command-Line Invocation (CLI)
Active Directory / LDAP
Custom Connectors
IoT (Serial, MQTT)
VistA RPC
AS2
Cloud Storage (S3 / Google / Azure)
<b>ARCHITECTURE</b>
Consistent "Assembly Line" Pattern
Configuration Over Code
Component Driven
Extensible Via Open APIs

<b>HL7 FEATURES</b>
HL7 Differencing Engine (Mediate Differences Between HL7 Message Versions)
HL7 Friendly Name Option
HL7 Lenient Parser
Ability to Read Any Version of HL7
Inline HL7 Documentation
Transaction Templates for HL7, FHIR and CDA
<b>EDI X12 FEATURES</b>
Parse any EDI X12 Transaction
EDI Friendly Name Option
SNIP Validation (Types 1-3)
Inline Code Set Definitions
Transaction Templates for EDI
<b>DATA TRANSFORMATIONS</b>
Graphical, Drag & Drop Data Mapping
No Coding or Custom Scripting Required
Standards Compliant (W3C XSLT)
Computationally Complete
<b>WORKFLOW PATTERNS SUPPORT</b>
Sequencing
Splitting / Merging
Process Orchestration
Branching
Conditional Logic
Iteration
<b>ERROR HANDLING</b>
Easy, Hook-Based Customized Error Handling
Configurable Text-Based Logging
Flexible Proactive Notifications
Extensive Operational Visibility Framework
<b>VALIDATION</b>
Schema (XSD)
Structural Format Conformance (HL7, EDI, etc.)
Business Rules
External Lookups
<b>TESTING</b>
Instant (No Compilation or Deployment)
Graphical, Step-By-Step Debugging
End-to-End or Stage-by-Stage
IDE-Resident Server Emulation
<b>ANALYTICS</b>
Robust Real-Time REST API
Flexible Reporting
On-the-Fly Break-Fix
eiDashboard Multi-Instance Monitoring
Splunk Integration
<b>DEPLOYMENT MODELS</b>
On-Premises
AWS / GCE / Azure
Lightweight / Bundled
Docker / Containerization
<b>LICENSING MODELS</b>
End-User Licenses
Product Bundling Licenses
Reseller Licenses

*(Licenses include an unlimited number of dev, test and cold back up)*



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