



## Highlights

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- Provides governance through monitoring and alert tools
  - Encapsulates persistence and business logic
  - Supports multiple standards and vocabularies
  - Enables a variety of service-oriented architecture (SOA) scenarios
  - Creates a centralized service API to easily integrate a variety of protocols
  - Organizes configuration, user management, notification, and reporting tasks through an Administration Console
  - Provides real-time data updates
  - Support of multiple standards/protocols like HTTP, SOAP, FTP/SFTP, JMS, etc.
  - Takes advantage of existing frameworks and industry-standard Java APIs (JAX-WX, JMS, etc.)
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# BayaTree eMaven

*Connecting disparate systems and devices, regardless of standards or protocols, to maximize information flow within an enterprise application community*

## The Integration Challenge

In any given business community, the occurrence of an event could trigger numerous subsequent events. A customer interaction could trigger a billing event, a follow-up engagement, or the scheduling of additional products and services. Currently, separate systems exist for each function and the same data elements are manually reentered. These results in errors, cost increases, compliance risk, and ultimately, more work for you. Hence establishing reliable connectivity between each independent system has become a major requirement.

## The BayaTree eMaven Solution

The solution: one system to manage the entire heterogeneous applications environment. A system designed to be reliable and configurable, allowing seamless transfer of electronic data between diverse software applications and electronic devices. In effect, we are connecting the entire application ecosystem to bring efficiency and ease to your work.

BayaTree eMaven was designed with interoperability in mind and supports multiple standards based messaging architectures (SOA, HL7, DICOM, ANSI X.12, XML, etc.). This provides BayaTree customers with a single mechanism for creating, deploying, managing, and monitoring all forms integration.

## How it works

The BayaTree eMaven framework comprises of two functional components: the “Service Manager” and one or more remote “Agents”. They work together seamlessly to manage and deliver a timely and reliable information flow.

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## Service Manager

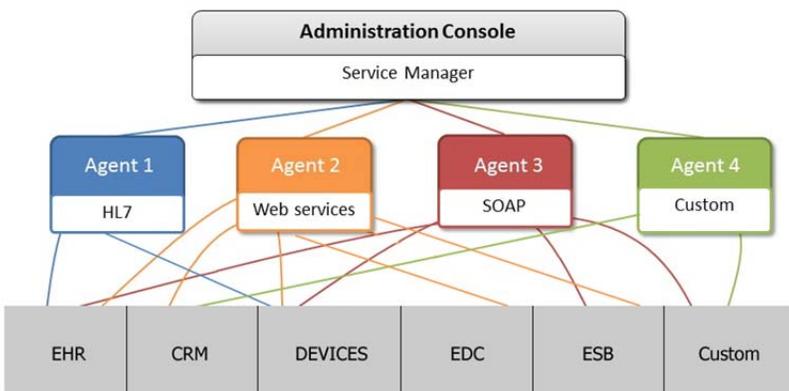
The BayaTree eMaven Service Manager acts as a control and monitoring center to local and remote Agents. The Service Manager communicates with the Agents and offers message flow visibility, notification, management, and reporting. Its Administration Console provides a graphical user interface, allowing Systems or Network Administrators to configure, translate, and monitor message traffic. Email and SMS alerts can be sent to administrators and other users upon error or other configurable events. Administration tools assist in setting up users, notifications, and running reports on message statistics. Reports allow users to view logs of messages transferred, and statistical summaries of those messages including from-values/to-values, error descriptions, remarks, table names, field types, custom codes, etc. Customers may license the Service Manager from BayaTree and install in their operating environments, or acquire BayaTree Support Services for monitoring and managing their Agents.

## Administration Console

The BayaTree eMaven Administration Console dashboard displays various widgets, such as notifications, monitoring, users, reports, graphics, and maps. Its graphical user interface helps administrators maintain configurations and translations, set up notifications, run reports, and monitor message traffic. Multiple entry forms and reports can be viewed concurrently. Numerous message streams and locations can be configured and managed simultaneously.

## Agents

The BayaTree eMaven architecture supports several different Agent types. An Agent is a flexible data exchange module which is fully compatible with SOA, HL7, ANSI X.12, XML, DICOM, or other standard or proprietary messaging architectures. It serves as a platform for both incoming and outgoing communication between BayaTree applications and other vendor systems, labs, existing customer applications, or databases. Agents may also address non-BayaTree interoperability requirements. All Agents communicate with the BayaTree eMaven Service Manager. BayaTree can develop a set of standard or proprietary Agents unique to each customer.



## Benefits

- Provides email and SMS alerts
- Manages multiple interfaces and locations
- Enables customization via plug-ins
- Enables events to trigger related events
- Provides real-time data updates
- Results in less IT overhead and fewer support fees
- Increases visibility for all stakeholders
- Eliminates double data entry

## How to get started?

BayaTree provides a comprehensive set of services starting with Requirements Gathering to Designing, Developing, Testing and Deploying various eMaven Agents. Committed to delivering innovation, BayaTree brings distinctive value with its end-to-end product development lifecycle solutions.

*For more information regarding BayaTree eMaven or other products and services, please contact us at [sales@bayatree.com](mailto:sales@bayatree.com)*

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## BayaTree eMaven

### Technical Data Sheet

BayaTree Maven has the flexibility to interface across diverse applications and devices. It can transmit and receive data sets of all sizes to meet your needs. Listed below are examples of supported operating systems, message types, protocols, interfaces, and applications.

#### Operating Systems

- Windows
- Linux
- iOS/Android

#### Messaging Standards

- HL7 v2 & v3
- XML
- EDI
- ANSI X.12
- NCPDP
- DICOM

#### Protocols

- HTTP
- File System
- JMS
- FTP/SFTP
- ODBC
- TCP
- LLP/MLLP
- SOAP
- RESTful

#### Interfaces

- EMR/EHR
- LIMS/IIMS
- Practice Management
- IRB
- ADT
- Pathology
- HLA
- EKG
- Medications
- Payment Management
- Financials
- Radiology

#### Applications

- Epic
- Cerner
- Clinical Applications
- Oracle PeopleSoft
- LabCorp
- Quest
- Allscripts
- Lytec
- Practice Fusion
- eClinicalWorks
- Rogosin
- Meditech
- McKesson
- Nationwide
- DaVita
- Clarity LIMS
- Visage IIMS
- GE PPM
- Keane
- Click Commerce
- Trendstar
- Lawson
- GE Vivid
- Eclypsis
- Agfa
- InfoEd
- IDX
- Ensemble
- Horizon
- Oacis
- LMPI
- Series
- UNYLab
- IBMTR
- Spyder
- IDXtend
- HistoTrac HLA
- Apollo
- PMS
- GenoLogics
- ProIRB
- Syapse

#### Contact Us

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