

Project/Client Name:
Contract Anonymity

Application Name:
HealthMatics – Electronic
Health Record Product Suite

Industry Served:
Healthcare

Domain:
Healthcare

Category of Application:
Web Application Portal

Technologies Used:

- OS: Windows 2003 Server and Windows 2000/XP Professional
- Front-end: HTML, .Net, ASP.Net, C#, COM.Interop, Java Script, and Visual Basic 6.0
- Database: SQL Server 2000
- Web Server: IIS 6.0
- Browser: IE 5.0 and above

Project Duration:
12 Months

Prime Team Size:
25

About Client

The customer is the leading provider of clinical software, connectivity, and information solutions for more than 20,000 physicians across USA. Their solutions reach from the physician to the patient to all stake-holders in the healthcare delivery process. Their main aim is to enable their clients to deliver better outcomes.



Business Need

In-line with their vision, HealthMatics Electronic Health Record (EHR) is a product suite that was deployed as a client server application in various clinics. Since every client machine should have a licensed copy of the HealthMatics application, installation was one of the key aspects considered by the client to convert the application into a web-based application.

The Core objective of this project was to:

- Convert the existing Client server version of the HealthMatics application into an intranet web-based application
- Performance improvement was one of the major areas of concern, which is key for any web based application

After careful evaluation, they have approached Prime to help them in meeting their needs.

Prime Solution

Prime Team initially performed a detailed study of the client requirements and worked closely with the client in web application development. HealthMatics - EHR product suite was delivered with the following modules:

Ntierprise: Ntierprise was the main application with extensive features that streamlines patient information management and enables practice-wide clinical workflow automation.

Ntierprise application enables the following features:

- Patient Management
- Scheduling
- Financial Processing
- Billing
- Collections
- Reporting
- System Administration

Ntierprise Engines: Ntierprise Engines was one of the supporting applications in Ntierprise. This application helps the clinical physicians in the following:

- Information Broker
- Dashboard
- Utilities

Ntierprise Security Manager: The Ntierprise Security Manager sub-system helps in user and group maintenance and has the ability to set role based security permissions and options.

This application facilitates:

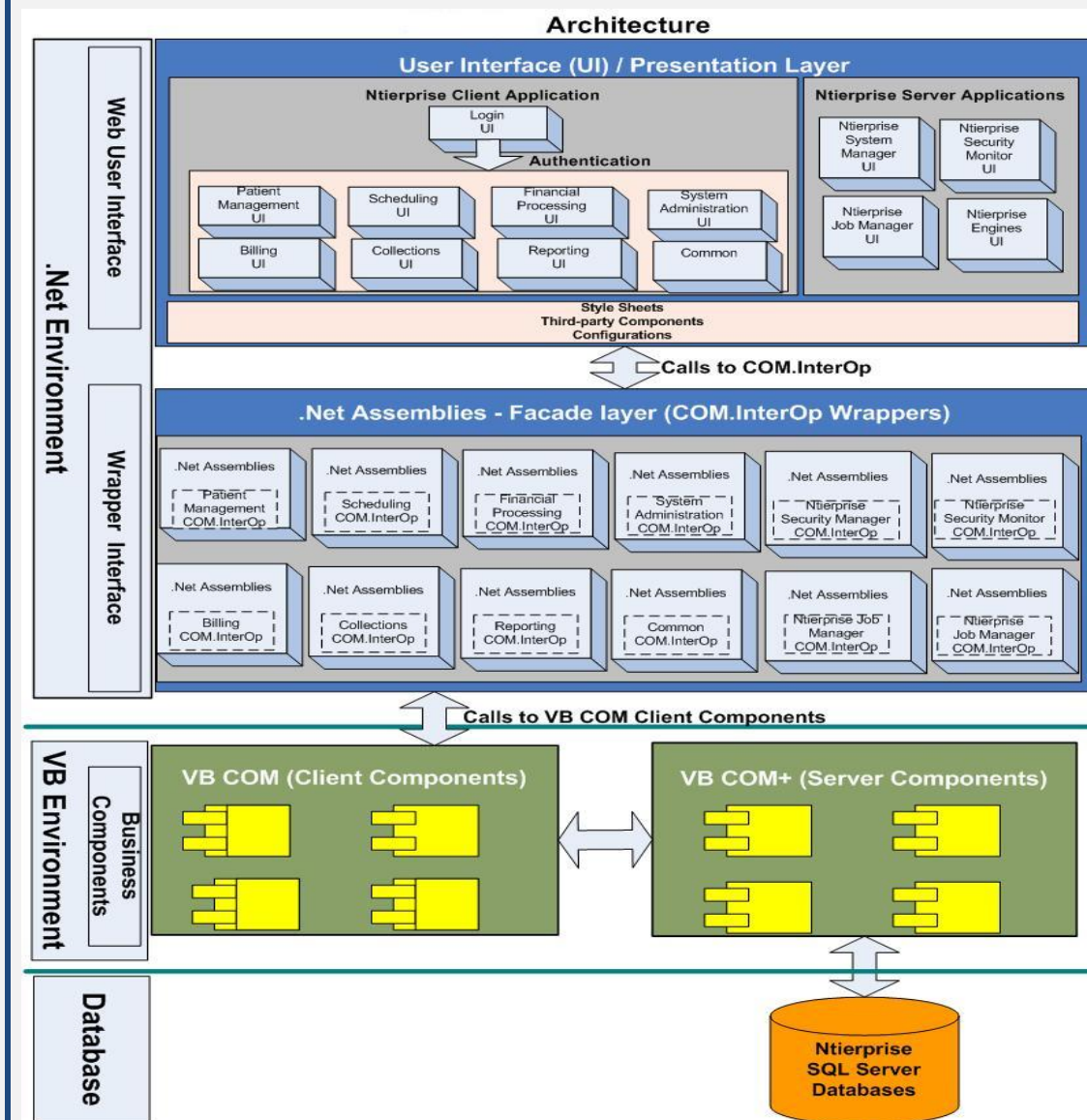
- User Maintenance
- Group Maintenance
- Security Permissions
- Security Options

Ntierprise security Monitor : This application provides details of the applications related to HealthMatics Ntierprise running on the system at a given time and includes Organization, User, Application Name and Logon time

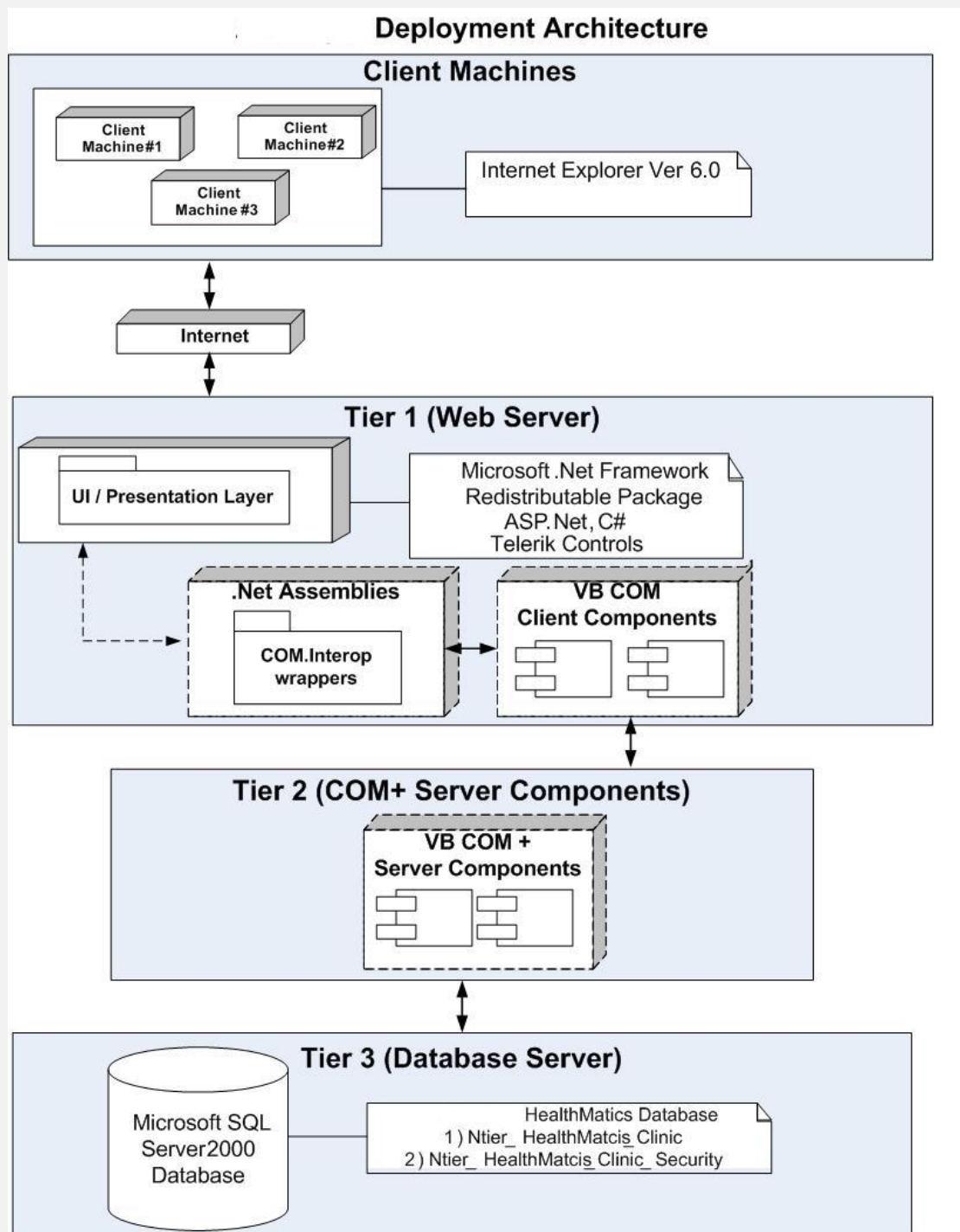
Ntierprise Job Manager : The Ntierprise Job Manager manages the jobs running at a given time as part of the HealthMatics

Application Screenshots

The below illustration shows complete architecture of the application



The below illustration shows complete deployment architecture diagram that gives a clear picture of the product that was deployed:



Key Challenges

- Designing a web-based specialty-specific EHR, matching the performance expectations of the client was a challenge. Prime experimented on multiple 3rd party controls and was successful in meeting the client expectations
- Unlike Client server, Security was a major issue in Web server as there were unlimited end users. Proper care was taken in designing and security monitoring and controlling modules were provided as part of application

Client Benefits

The upgraded web-based EHR system provided the following benefits:

- Hassle-free installation as only one server copy is needed and the end-users can access the application online using IE browser
- Ease of maintenance - Ease of Back-ups that can be taken of the web server version of the HealthMatics application
- Online information regarding patients
- Intuitive user-friendly interface
- Web-based system with the performance of a client-server system

About Prime

Prime Technology Group is a global, technology services company where innovation is at the core of our business engagements. We develop cutting-edge solutions and carefully select the best Information Technology professionals locally and globally to become ambassadors of your business. This approach maximizes our ability to leverage our award-winning team and their competencies. Prime is the conduit which bridges the immediate business solutions today to the technology advances of tomorrow.

Our candid ability and forethought has enabled us to navigate seamlessly, bridging the appropriate technology solutions that outlast today's technology trends. How do we do this; simply we listen. Team leaders identify poignant solutions and fuse the appropriate framework and infrastructure necessary for unlocking your capabilities.

Prime Technology Group is organized into four technical practices;

- Cloud (Google PAAS, Microsoft Azure)
- Mobility (IBM Work Lite)
- Analytics (Big Data, Predictive Analytics)
- Quality Assurance

Prime develops customizable frameworks, driven by our robust R & D, which become the cornerstone of our solution offerings. Our philosophy in flexibility allows us to leverage our award-winning resources and competencies to exceed our clients' expectations while improving their bottom line.

We have successfully helped hundreds of clients in Healthcare, Insurance, Life Sciences, Banking, Financial Services, and E-commerce. Our imprint has drastically impacted client growth; we are Prime Technology Group, where we are "Bringing visions to life."

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