

Need

Evolve Exchange provides secure Medical Cloud Platform Interoperability for data exchange for EMR Companies that are presently positioned with a need to ally their Company with such an Exchange in order to achieve Meaningful Use Stage 2 Certification. Evolve Exchange will empower Your Company with Medical Cloud Technology that will overcome the obstacles of Transitions of Care, Quality Measures, and the many other Stage 2 Meaningful Use Measures necessary for Certification so that Your Company and your Doctor Customers can continue to prosper.

The cost for this service is very reasonable and can be passed on from Your Company to your Doctor Customers at a profit. On the other hand, the cost in Time and Dollars for Your Company to do this without outside help is clearly enormous. Per the above, Our Medical Cloud Technology circumscribes all the Business Services necessary for Your Company to achieve Meaningful Use Stage 2 Certification.

Given that Data is trapped within the context of a single clinic, true Interoperability is not achievable without implementing Data Center Grade Networking. While outbound communication is less difficult, inbound communication will be a major problem. NAT and its variations (Port Forwarding, etc.) allow for rudimentary communication between a private network and the world, but the inbound task of finding the office in question is a problem. Communication will be restricted to previously created relationships, making dynamic/need based communications nearly impossible. Moreover, who will be in charge of custom routing configurations? Then there is the question of upgrading networking equipment when that becomes necessary. The fact is that your relationship with the end user has become far more complex, even if you only account for a simple, unsecured availability.

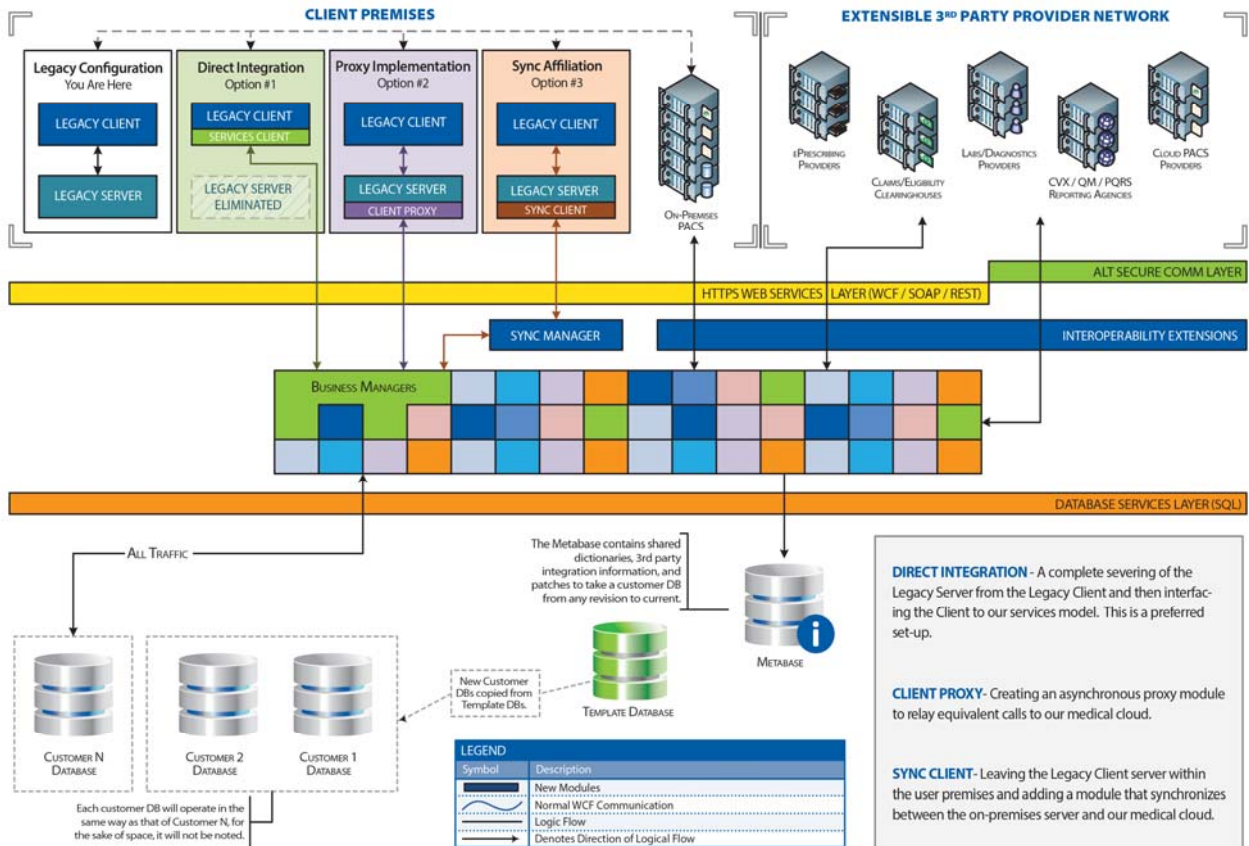
Security is comprised of authentication, authorization, and auditing. Even assuming that the challenge of providing availability can be resolved, how can security be provided per the following?

1. How can you assure that requests are from who they say they are from **(authentication)**?
2. How will you restrict a request to read, write or delete only Data that is allowed **(authorization)**?
3. How will you track and log failed authentication and/or attempted unauthorized activity **(auditing)**?

These requisites of Interoperability, now into the future, cannot be accomplished practically without a solution beyond the context of a single office. Really, these complex requisites are best accomplished by a third party facilitating secure communication between trusted parties. By connecting Clients to our Medical Cloud Server, Users can achieve secure access from any valid Internet connection. Furthermore, the Data of the Customer Client is then securely available to all third party Medical Facilities, third party Health Information Exchanges, and third party Medical Registries.

Evolve Exchange - Health Care Services Platform

Client Implementation | Services Overview | High Level Logic



Solution

Evolve Exchange makes complete use of the benefits of the Cloud, comprising an environment of server clustering and resource pooling, as well as clustering at the application level for High Availability. We can accept connections from any device form factor or manufacturer-we only require SSL connection to a WCF/SOAP Host.

Evolve Exchange is a true cloud optimized Health Services Platform and should not be confused with either a hosted virtual implementation of current legacy applications or a company with a cloud hosting environment to help you migrate your Server-which will still require additional server logic.

Evolve Exchange has an intricately architected, SAS70 – Hosted Cloud Architecture. Upon that base, we have built a distributed clustered HA (High Availability) SQL Tier and a Business Manager Server with a Client-Facing Secured Web Service Interface Tier. You should beware of companies offering only one of these Tiers or none of these Tiers, particularly implementation that simply virtualizes current Legacy Servers and then places them in a Data Center on a Public IP Address. Evolve Exchange has constructed a generic, straightforward, and simple to consume litany of web service functionalities that allows a single point of integration.

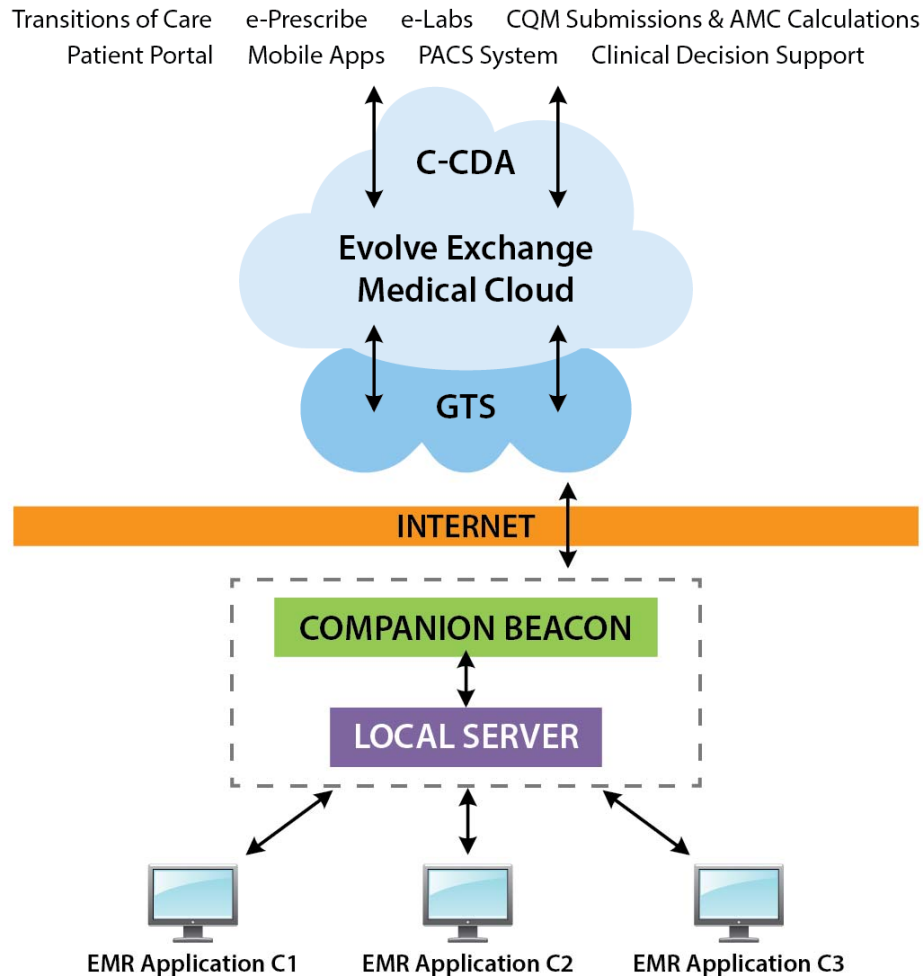
Our Business Services include

1. Transitions of Care
2. RxNorm via Dr. First
3. Electronic Labs via Halfpenny
4. Clinical Quality Measure Submission and AMC Calculations
5. Patient Portal via Microsoft Health Vault
6. Mobile Apps via GoSumMIT
7. Limited PACS
8. Clinical Decision Support

Evolve Exchange can assist you in implementing an Interface that will meet your needs via one of the following Scenarios.

Companion Beacon

Evolve Exchange - Companion Beacon API Connection



The Companion Beacon (CB) is a customizable Interface Engine designed to sit between a private environment and our Healthcare Information Cloud. It serves as an “out of the box” integration option designed for rapid adoption.

The CB is able to take advantage of industry-standard message formats and also the creation of personalized interfaces that are implemented at the file or message level. This avoids the issues associated with large scale software development. With the CB, Your Company can design your own interfaces and at the same time add important functionality that is ready for use in days instead of months.

Our CB consists of two major parts and serves four important purposes. Typically, the first part, the Engine, is deployed alongside a Local Server and straddles the boundary between public and private

networks. The CB Engine acts as an orchestrator that facilitates the sending and receiving of messages over created interfaces of various types. It is not a traditional Server in that it is a SaaS Client of the Cloud, where all actual information lies. In the event that you experience infrastructure problems, you can rest assured that your settings are intact. As soon as you have things resolved, you can simply reinstall the CB Engine on the same Server (or an entirely different one), and, once authenticated, any interfaces and/or other configurations will be exactly where they were left. Once the Engine is installed and connected, a simple to use Management Client is freely available via Internet download.

The second part is that the Management Client is a SaaS Client of the Engine. You can have several instances of the Client installed throughout an organization, allowing for simplified management. The Client, in coordination with the Engine, allows for four important features:

1. Interface Creation - The Interface Creator allows for on-the-fly interface creation, testing, and deployment.
2. Auditing – The Interface Log is a list of messaging available for audit review and interface changes available for each interface.
3. Maintenance – The Interface Log also allows for past messages to be resent, modified, or downloaded.
4. Stream Modification – Interfaces allow for stream rates to be adjusted, rerouted, or scheduled for throttling.

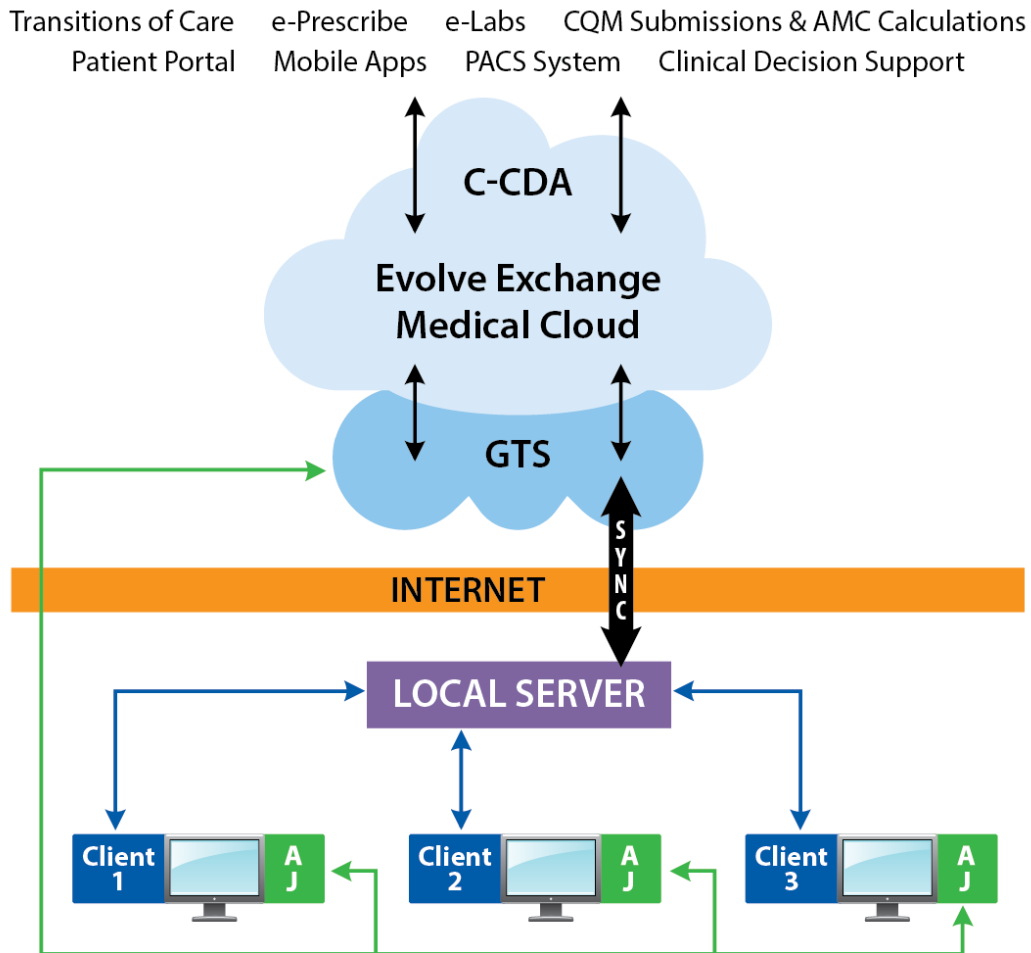
Both the Companion Beacon Engine and the Clients will automatically update as newer versions become available.

Standardized message types like C-CDA and X12 837p are ideal and will facilitate the quickest adoption. If Your Software is unable to communicate in these ways, arrangements can be made either to agree on some custom XML dataset or we can receive a deprecated message type and scale it to C-CDA or whatever message the task calls for.

Interface types are only limited by the User's imagination, but here are a few examples:

1. A post visit C-CDA being saved in a shared folder for the CB Engine to pick up and relay to the Cloud as one fragment of many that will be used to create a replica DB for later analysis. CQMs (among other processes) can be evaluated at the end of the year.
2. An FTP Host on the CB Engine to receive X12 837p messages to send to a Claims Clearinghouse.
3. A SOAP Host on the CB Engine that receives C-CDA messages with destination information for securely sending Transitions of Care messages to other providers.

Evolve Exchange - TwinLink API Connection



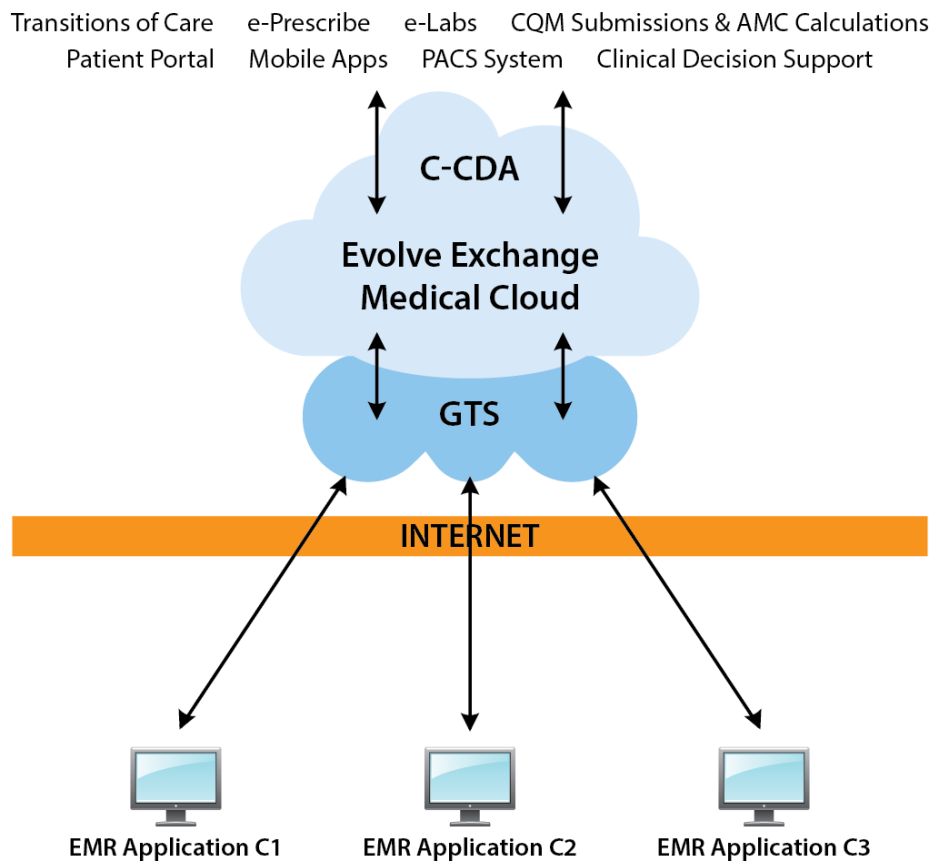
TwinLink is a name we coined for a white-labeled version of our fully certified AstralJet EMR to run in tandem with Your Current Implementation with back end synchronization of overlapping Data. The workflow here is that Users (Dr. Customers) continue using Your Current Implementation for day to day Patient Soap Note Entry and Patient Medical Record Data Storage/Retrieval and then use our AstralJet EMR Application to input the Meaningful Use Data Set to achieve Meaningful Use Stage 2. This approach is particularly useful for Specialty EMRs that don't deal with Meaningful Use Data. Such Specialties include but are not limited to ENT, Ophthalmology, Orthopedics, Chiropractic, Podiatry, Dermatology, and Urology.

When possible, we have been able to collaborate on subtle UI workflow connections and/or SSOs between the two applications to improve efficiency. This would be, for example, placing a button within your existing EMR Application that spawns an AstralJet EMR Application Session with SSO that is already focused on the specific patient in the original EMR Application.

The benefit of TwinLink is that it will enable your Doctor Customers to be eligible for Meaningful Use Stage 2, providing that they are doing their part to enter all appropriate Data. Any integration that takes place between systems will be custom, and capabilities will vary from installation to installation.

Web Services API Connection

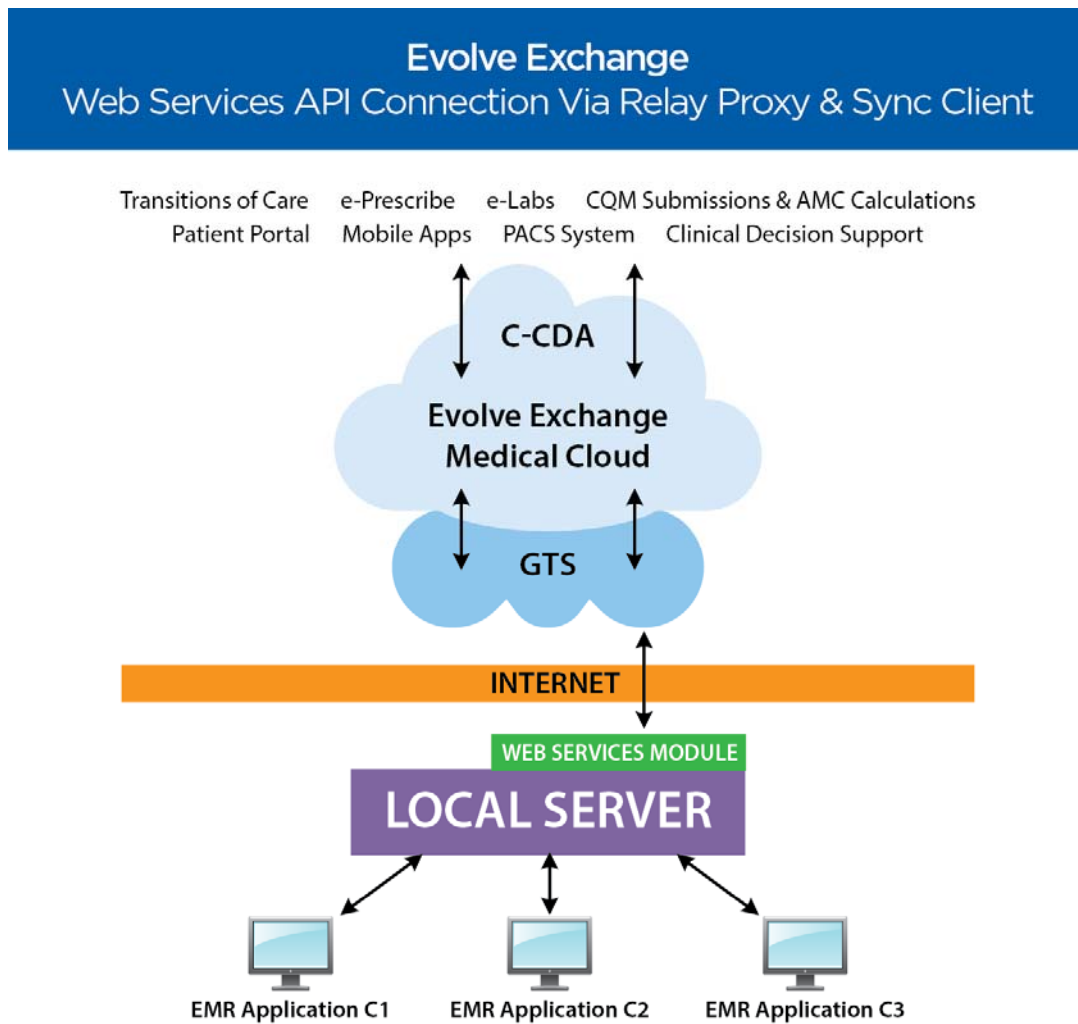
Evolve Exchange - Web Services API Connection



In this logistic, you excise the Local Server (or partially excise the Local Server) and link Your Client EMR Application directly to our Medical Cloud Platform via our Generic Transcription Service (GTS).

Communication with our Medical Cloud is Client to Cloud Server so that, once integrated, your Doctor Customers will be able to consume our suite of Business Services.

Web Services API Connection via Relay Proxy or Sync Client



Relay Proxy

This involves leaving the Local Client Server within the user premises and adding a module that acts as a Proxy/Delegate on the Client's behalf.

Sync Client

This involves leaving the Local Client Server within the user premises and adding a module that synchronizes between the Local Server and our Medical Cloud. The Local Server will queue requests and execute them when scheduled to do so.

White Label

You are welcome to White Label our Certified AstralJet EMR with its accompanying state of the art Practice Management System. Our Practice Management System includes ICD-10, automatic 837/835 claims processing for primary and secondary claims billing (both primary and secondary billing, of course, do require some work by the biller), and 270/271 eligibility capability. It is not Evolve Exchange's Business Plan to sell directly to Doctors.

Permanence

The above Scenarios should make it clear that our Technology will work in the present and into the future. If you form a partnership with Evolve Exchange, you will have secured for Your Company a permanent solution for Interoperability and the Future Stages of Meaningful Use. As you vet our Solution, we believe that you will conclude that Evolve Exchange will empower Your Company to operate at a level previously only associated with large corporations.

Aside from Hospitals, HIE's, and Large EMR Companies, it is not cost effective to connect local networks. However, Evolve Exchange offers this possibility to EMR Companies presently providing Client/Server Technology through a local network and also to EMR Companies already using Web Delivered Applications. Moreover, Evolve Exchange is able to make quick and efficient adjustments so that Your Company and your Doctor Customers can immediately take advantage of a new version.

We are aware that there will be other Companies offering similar services, but we believe that the Technology they will be offering is inferior to Evolve Exchange's Technology. We are confident that our Solution to the requisites of Interoperability is the best Solution, employing a platform consisting of the most advanced state of the art Computer Engineering. We hope that Your Company will assign to your Computer Engineers the task of an in depth vetting of our Technology as a natural part of the decision process.

As your partner, we pledge to you – beyond the Technology – honesty and fair dealing in all matters. We pledge to work side by side with you to achieve success for both parties. Furthermore, while it is the sharing of Technology that forms the basis for our business relationship, logic dictates that there is a business synergy to be gained when companies work together.