



Soft-Trek Consulting

Rapid innovative solutions without compromising on your quality

49 Alexander St, Dundas Valley, NSW 2122, Australia

Phone +61 2 8812 2381 Mobile +61 422 414 813

Email: info@soft-trek.com.au

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CATEGORY	CHALLENGES / ACHIEVEMENTS
Initiate®	<p>Challenges</p> <ul style="list-style-type: none">• There were no in house developers at the client side• There was a lack of FAQ and other user support forums• The recovery behavior is unknown• The parameters are unknown• The database details are not documented <p>Achievements</p> <ul style="list-style-type: none">• Rigorous R&D activities were carried out successfully to explore the database, determine the right parameters and its order, the recovery behavior of the system.• Supports a thread safe pool of connections• Built a layer with parameterized configuration for easy configuration and for reuse by other systems.
Intech®	<p>Challenges</p> <ul style="list-style-type: none">• Choices of integration• Slow response <p>Achievements</p> <ul style="list-style-type: none">• Integration to the native C based API for fast access• Internal caching for better response• Built a common WCF service for reuse by other systems
MFC	<p>Achievements</p> <ul style="list-style-type: none">• Deep understanding of how the MESSAGE map works• Deep understanding of how the DATA EXCHANGE works• Deep understanding of how to tweak resource files.• Indepth knowledge of Windows NT, XP and the registry to take full advantage of the O/S.• Indepth knowledge of its collection classes and various controls to develop innovative, and enhanced and richer user experience.• Globalization and localization• Best practice of layering MFC applications, and using MVC

New Deployment Options	<p>Challenges</p> <ul style="list-style-type: none"> • Client has restrictions in their rollout environments • Challenging new deployment options <p>Achievements</p> <ul style="list-style-type: none"> • Presentation of Click Once and Setup technologies to infrastructure team so that they understand the implications of each option • Include local dependencies to speed up the roll out. (.NET 3.5 framework, WSE 3.0) • A single deployment that works for multiple environments and servers (in Integration, UAT and production environment)
RPC	<p>Achievements</p> <ul style="list-style-type: none"> • C++ interface to the C based RPC services • Callbacks for immediate notification. • Buffered APIs • Asynchronous RPCs
Singl.eView ® Systems	<p>Challenges</p> <ul style="list-style-type: none"> • Lack of examples. <p>Achievements</p> <ul style="list-style-type: none"> • Initial successful prototype to determine how to access Singl.eView correctly. • A pool of connections to connect to SingleView correctly. • Built an Administration interface to configure and control the SingleView interface parameters to provide easy recovery.
SOA services in the J2EE environment	<p>Achievements</p> <ul style="list-style-type: none"> • Pioneer in the R&D in building Axis applications • Simple authentication checks to prevent unauthorized client to access the web service • Document procedure for future local developers to build similar interfaces.
SOA services in the .Net environment	<p>Achievements</p> <ul style="list-style-type: none"> • Pioneer in the R&D in building WCF applications • Supports distributed transactional services. • Supports multiple bindings (basicHttpBinding, netTcpBinding, wsHttpBinding) • Best practice in building WCF components • Solving security (SSPI) issues with ASP.Net client
TCS XYPoint® Location service	<p>Challenges</p> <ul style="list-style-type: none"> • Rescuing a prototype that uses “try catch” the wrong way, and using the incorrect technology for thread signaling. • Dealing with vendors from overseas. <p>Achievements</p> <ul style="list-style-type: none"> • Deep understanding of how to use the API correctly in a multi threaded environment. • Built a SOA layer to wrap its services.

Thunderhead®	<p>Achievements</p> <ul style="list-style-type: none"> • Ensured that the best practices are adopted by working closely with the Thunderhead consultant, asking the right questions and rigorously explored various approaches. • Enhanced the user experience of InterviewNow® applications by using the right technologies (like user defined validations, dynamic enumerations, default values). • Providing external solutions to supplement Thunderhead's limitations. • Providing a customized application that uses the DocEditor® control. Deep understanding of the Thunderhead XML format was required to provide customized business functionalities. • Implemented a procedure to add user signatures easily.
WPF/XAML	<p>Achievements</p> <ul style="list-style-type: none"> • Best practice of using Styles and DataTemplates to build reusable and easy to customize look & feel controls • Best practice of using ListView, TabControls, Labels, Menus • Best practice of building resizable applications. • Building applications that uses external user controls.
XML	<p>Achievements</p> <ul style="list-style-type: none"> • Deep understanding of XPath, and attribute selections. • Extensive integration experience with vendors (like Thunderhead) to manipulate their xml data to provide extensive customizations or for reporting purposes. • Extensive development experience to use XML e.g. as the input for XSLT transformation or as the B2B language of choice

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