

## Customer Profile

### *StoragePoint Corporation*

<http://www.storagepoint.com>

*StoragePoint, Inc. wants to provide their clients access to data 24/7 from any Internet-enabled location including: PCs, kiosks, WAP-enabled cellular phones, Palm® and other handheld computing devices.*

## Our Solution

*WebDrive is developed to include three UI-layer servers that meet the needs of various client-side technologies.*

*WebDAV Server: written in VC++/ISAPI to support any industry-standard WebDAV client e.g. Windows Explorer*

## Methodology

*ECI has a well-defined Software Development Life Cycle (SDLC) model that takes an iterative approach in executing a project. Each build or milestone would have incremental functionality. Builds/milestones are scheduled so that obtaining specific requirements related to the*

*build/milestone, revision of project documents, planning, thorough testing and bug fixing are carried out incrementally.*

*One of the team members plays the role of a Quality Analyst. The main activities of a Quality Analyst are to review and update project documents, organize testing activities and conduct regular code*

## Introduction

WebDrive is product developed for StoragePoint Corporation. StoragePoint Corporation wants to provide an online storage system to their clients. The data shall be accessible 24/7 from any Internet-enabled location including: PCs, kiosks, WAP-enabled cellular phones Palm® and other handheld computing devices.

## Situation

The solution includes three UI-layer servers that meet the needs of the various client side technologies and/or protocols

**WebDAV Server:** written in VC++/ISAPI will support any industry standard WebDAV client e.g. Windows explorer.

**HTML Server:** written in C# / ASP.NET will support the cross platform "Easy" WebDrive browser application

**SOAP Server:** written in C#/ASP.NET will support the clients AutoBackup application for windows and "Expert" mode browser WebDrive. Both these client side application make use of the Microsoft SOAP Toolkit for the purpose of sending/receiving HTTP(S) SOAP requests/responses to/from the SOAP Server.

## WebDrive Features

Provides data access 24/7 from any Internet-enabled location including: PCs, kiosks, WAP-enabled cellular phones, Palm® and other handheld computing devices

Provides mobile people live on information.

Data is secured by encryption

Automatic scheduled backups

Account management and billing

Scalable band width and storage quotas for clients

Automatic adjustments of upload and down load speeds adjusted to Internet connection speed.

## Tools and Technologies

Analysis and Design: Rational Rose 2001

Development tools: Microsoft Visual C++ 6.0, Visual Studio.NET, Windows 2000 Server, SOAP Toolkit 2.0, XML, C#

Testing: Rational TestSuite 2001

## Our Process

- Thorough study of requirements was carried out leading to the preparation of Software Requirements Specification (SRS) and User Interface Design (UID).
- High Level and Detailed Design documents of the system are created.
- Incremental and frequent Builds are sent to the client according to the Project Schedule. This helps obtain regular feedback from the client for each module.

*reviews and code walkthroughs.*

*Designated Team Members work along with the Quality Analyst as members of the testing team continuously aiming to enhance the quality of the software delivered.*

### **Benefits**

*StoragePoint has participated in the Microsoft Web contest and grabbed the Grand prize. It will greatly benefit StoragePoint to increase their market share in the Online Storage market.*

- Coding and UI standards are strictly adhered to. Regular code reviews and walkthroughs are carried out by the Quality Analyst and senior members of the team.
- Unit, Integration and System testing are carried out by using test plans and test scripts.

### **Conclusion**

WebDrive is an example of an application taking advantage of the multiple technologies supported by .NET and provides a cost effective solution to the client