

A low-angle shot of a modern glass skyscraper reaching into a blue sky with scattered white clouds. In the foreground, a laptop is open, its screen reflecting the sky and clouds, creating a sense of digital connectivity and modern technology.

# CLOUD DESKTOP STORAGE CASE STUDY

## CLIENT OVERVIEW

Our client, a fast growing start up in the Silicon Valley, has built a scalable web based collaboration platform to help businesses share content and general storage within and beyond their organizational boundaries. Our client is positioning this online storage solution in terms of a 'platform as a service' (PaaS) model. This product offering was initially consumer focused. However to expand the product reach our client introduced an enterprise offering, targeting larger organizations and emphasizing collaboration tools.

## KEY REQUIREMENTS

- Core development team comprising of a technical architect and technical lead from Xoriant - Microsoft Center of Excellence had a series of discussions/meetings with our client counterparts to gather finer details of this engagement.
- Our team proposed a modular architecture for plug-in application which is both secure and scalable to meet the clients evolving requirements. Xoriant also recommended the use of secure API based REST architecture to connect with our client's web platform. By designing a 2-tier application framework, the Xoriant team built a loosely coupled architecture allowing our client to incorporate additional features with minimal code changes.
- Xoriant recommended using 32 bit XP machine with latest service pack and Office/Outlook 2003 as base platform for developing the plug-in to enable scalability with higher versions. VSTO technology was used to design diverse functionality requirements for MS Office & MS Outlook plug-ins. The development team incorporated caching mechanism where the user's server folder structure was cached in the background when they navigated the folder hierarchy. This helped in reducing the server calls when the user wanted to revisit the same folders thereby saving time and improving overall application performance.

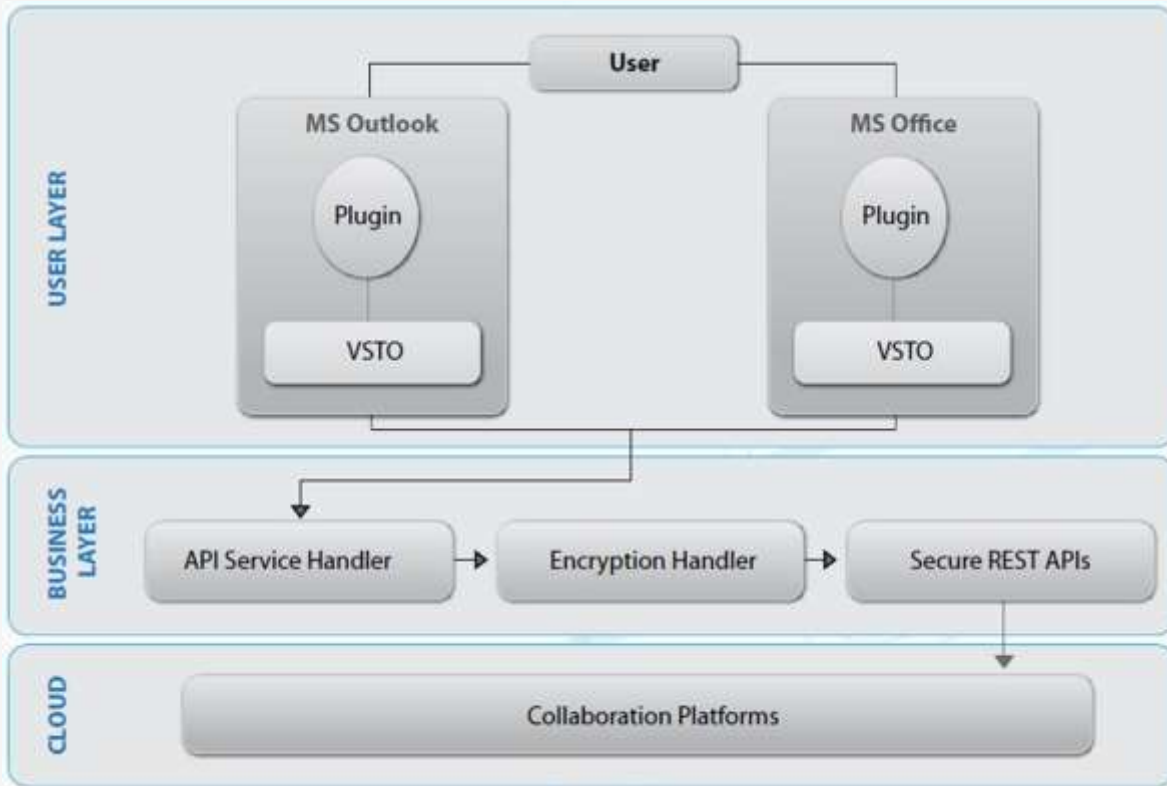
## KEY CONTRIBUTIONS

- Developed MS Outlook plug-in which allows users to save/download attachments from their e-mails directly to the client platform and MS Office plug-in which allows users to open & update files directly on the platform without having to create any local copy
- Designed RIA based rich user interface to provide enhanced usability for the users
- Implemented mechanism to cache user folder hierarchy thus improving overall application performance
- Used XML as the transport mechanism between the plug-ins and the client platform due to its wide acceptance and ease of interface with 3rd party applications/systems
- Defined a generic wizard type installer which was integrated with both MS Outlook and MS Office plug-in to facilitate installation and up-gradation of the plug-ins
- Built intelligence within the installer to scan the target machine for pre-requisites and Xoriant Major Contributions

## KEY BENEFITS

- Provided our client 'first mover' advantage over its competition since there was no product for integration of the collaboration platform with MS Office suite available in the market
- Enabled our client reach and maintain a leadership position in the collaboration cloud segment by integrating its PaaS solution with most popular MS Office suite
- Added 30% new enterprise customers to their portfolio after the plug-in release
- Reduced the end user workflow (processing) time by more than 50% leading to improved customer satisfaction
- Achieved time to market goals and cost advantage due to offshore model of project execution
- Enabled our client's engineering team to focus on core competency areas as Xoriant team was involved in end-to-end plug-in development

# HIGH LEVEL ARCHITECTURE



## TECHNOLOGY STACK

- Net Framework 2.0
- C #
- VSTO SE
- VS 2008 IDE
- Client API's
- XML
- PIA
- Bugzilla, Tortoise CVS



### About Xoriant:

Xoriant Corporation is a Product Development, Engineering and Consulting Services Company, serving technology startups as well as mid-size to large corporations. We offer a flexible blend of onsite, offsite and offshore services from our eight global delivery centers with over 2000 software professionals. Xoriant has deep client relationships spanning over 25 years with various clients ranging from startups to Fortune 100 companies.