



Wrapper Component



C# / BizTalk Server - Case Study

The Summary

The client was actively pursuing a conversion from Biztalk 2002 to Biztalk 2004. This uncertainty impacted the 'wrapper' used to integrate the component into the Biztalk environment. The client turned to AG Technologies to develop a specialized .NET component to facilitate FTP transfer between the client's BizTalk Server and various FTP sources and destinations. There were a number of unique requirements associated with the FTP process that needed to be integrated into the component design.

The Client

Our client is a Cisco company and a leading supplier of transmission networks for broadband access to the home, set-tops, cable modems and digital interactive subscriber systems for video, high speed Internet, Voice over IP (VoIP) networks, and worldwide customer service and support.

The Business Requirement

The client required customized FTP component to integrate with several proprietary methods used in the storage and retrieval of data associated with the transaction that would not be available during external development efforts.

In detail, the client's requirements can be bifurcated as follows:

- Must support inbound/outbound transfer of stream object from calling interface.
- Protocols to include 'plain' FTP and sFTP (ssh encryption).
- sFTP must support certificate based authentication as well as user/password.
- After FTP transfer, successful transfer must be verified by file size comparison. If file sizes do not agree, transferred file must be deleted if possible and the transaction 'failed'.

The Solution

The FTP component provides a customized 'wrapper' to facilitate bi-directional FTP transfer between client's BizTalk server and various source and destinations. This 'wrapper' provides seamless integration in the client's environment. While providing required security for inbound and outbound data, the wrapper also caters to several proprietary methods used in storage and retrieval of the data associated to the transaction.

Project Summary

Industry: Networking

Client Profile: A Cisco Company

Business Requirements:

An FTP component to integrate with proprietary methods used in storage and retrieval of data associated with a transaction.

Solution:

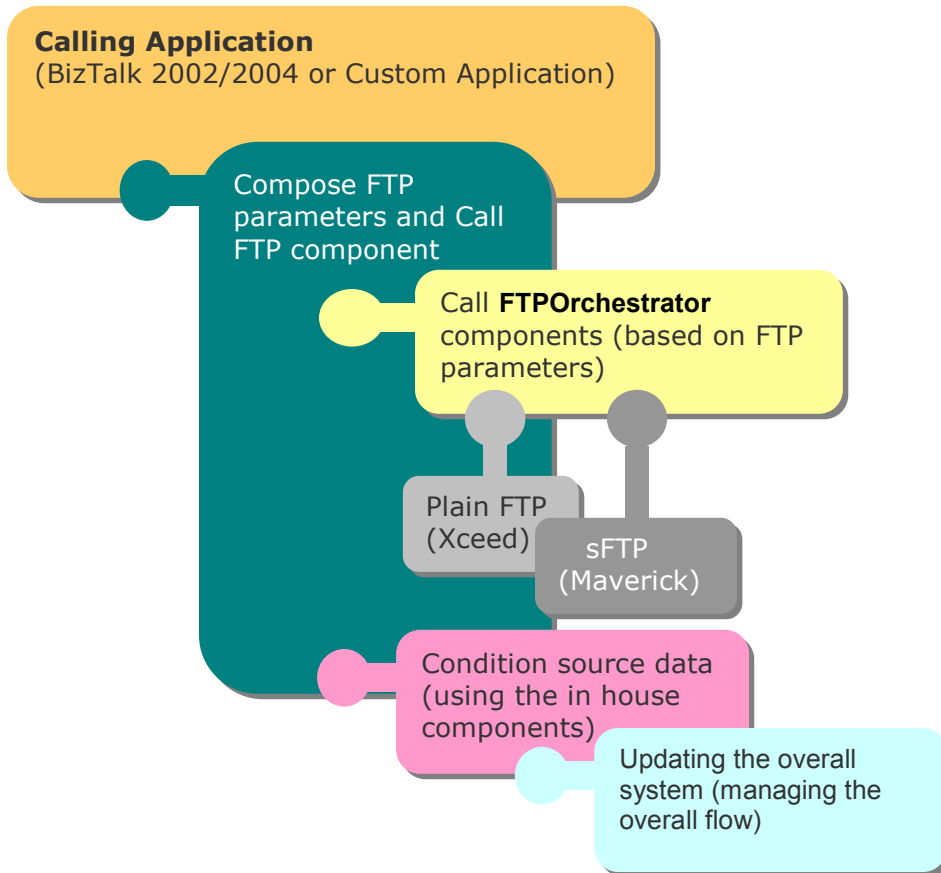
Created an FTP component by providing a customized 'wrapper' to facilitate bi-directional FTP transfer between client's BizTalk server and various source and destinations

Solution Benefit:

- Seamless integration in client's environment.
- Secured data both, inbound as well as outbound.
- Better response to new business needs



Solution Architecture:



Technology and Tools:

The solution was built using the following technologies and tools:

- C#
- Microsoft Windows Server 2003 Enterprise Edition
- Microsoft BizTalk Server 2004
- .NET Framework 1.1

The Solution Benefit

- Seamless integration in client's environment.
- Secured data both, inbound as well as outbound.
- Better response to new business needs and improved decision making due to on-time availability of critical business information.
- Use of BizTalk Server 2004 to reduce development time and maintenance effort.