

## File Update Service for MPlus System

**Company:** Large Multinational Corporation

**Location:** Japan

### Customer Description

The customer is in the software research department of a large Japanese multinational corporation, whose products and related software are being sold throughout the world, including Japan, US, The America's, Australia, Asia and Europe.

### Business Need

The customer required a dynamic file updating solution for their MPlus system. Major feature requirements of the solution were as follows;

- | Automatic check to determine if the component needs to be updated.
- | Issue a report on which module requires the update.
- | Receive group update requests from multiple components and then verify their validity.
- | Respond to valid component update requests and send the required update file.

### Solution Offered

Intechno delivered an intelligent and accurate file update web service for the customer's MPlus system, the delivered solution provides a range of API's for every component.

- | Developed a unified file update module for all components, the system sends a request to the delivered solution and if verified, receives the update files.
- | Developed an update file integrity verification solution to ensure the integrity of the update file; during the update file's transmission, the web service can automatically generate MD4 and MD5 authentication files and together transmit to every component's file update module.
- | Developed a load balancing solution to improve the efficiency and stability for system updates.

- | Provide customers with detailed deployment guides, detailed user manuals and easy-to-understand training materials.
- | Provide a wealth of documentation for post delivery maintenance; including SRS, SDB, DDB, UTP, ITP and STP.

### Technology Used

- Web Service
- SSL
- MD5 & MD4
- Load balancer
- .Net Framework
- MFC
- Wininet
- MSXML

### Benefits to Customer

- | Intechno's powerful methodologies and project proven development procedures enabled the delivery of a highly accurate software solution that exceeded customer expectation.
- | The solution leads to enhanced system security and integrity, improving its effectiveness and efficiency.

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