* Send Attachments And Data Together:

- Convenience: By allowing the sending of data and attachments in the same request, it simplifies the process for clients.

- They can include all the necessary information in a single API call, reducing the need for multiple requests.

- Efficiency: Sending data and attachments together can improve the efficiency of the API communication. Instead of making separate requests for each piece of information, combining them reduces network overhead and latency.

- Streamlined Workflow: Combining data and attachments in a single request can help streamline the workflow for both the client and the server.

- Enhanced User Experience: Sending data and attachments together can improve the user experience by reducing the number of steps required to complete a task.

- Users can provide all the necessary information in one go, making the process more seamless and user-friendly.

- Flexibility: The ability to send data and attachments simultaneously provides flexibility in handling various scenarios.

- It allows for more complex and diverse use cases, such as uploading files with associated metadata or sending form data along with attachments.

* Storing Attachments And Result Files on the File System

Storing attachments and result files on the file system is beneficial for scalability, performance, separation of concerns, resource utilization, ease of backup and restore, reduced database load, file system features, compatibility with external services, easier file management, and flexibility.

References:

- **Procore Developers**

- **VS 2010 [RESOLVED} - VB 2010 - help for *.docx as attachment in System.Net.Mail?-VBForums**

- **Quickstart - Send email with attachments using Azure Communication Service - An Azure Communication Services Quickstart | Microsoft Learn**

- **Upload files in ASP.NET Core | Microsoft Learn**

- **FileStream Class in C# with Examples - Dot Net Tutorials**