

```
1 using Corp.Services.DataContracts;
2 using System;
3 using System.Net;
4 using System.ServiceModel;
5 using System.Threading.Tasks;
6
7 namespace Corp.Services.Contracts
8 {
9     [ServiceContract]
10    public interface IDownloadDataService
11    {
12        [OperationContract]
13        Task<DownloadDataResponse> DownloadWith(DownloadDataRequest request);
14    }
15
16    public class DownloadDataService: IDownloadDataService
17    {
18        public async Task<DownloadDataResponse> DownloadWith(DownloadDataRequest request)
19        {
20            DownloadDataResponse response = new();
21
22            try
23            {
24                using(WebClient webClient = new())
25                {
26                    response.Data = await webClient.DownloadDataTaskAsync(request.Uri);
27                }
28            }
29            catch(Exception e)
30            {
31                response.Message = $"An error occurred while attempting to download file from
32                                {request.Uri}:{Environment.NewLine}{e.Message}";
33            }
34            return response;
35        }
36    }
37 }
```