.NET Sending example

Overview

The following outlines how you would send a report to another clinician.

```
 private void SendMessageToClinician()
   {
       string reportId = GetNewReportID();
```

```
  //Here we need to send the message to the destination service
       SimpleMessage msg = new SimpleMessage();
```

```
 AllUser usr = PatientHelpers.GetCurrentUser();
       msg.patient.FirstName = usr.FirstName;
       msg.patient.Surname = usr.Surname;
       msg.patient.MiddleName = "";
       msg.patient.dob = usr.DateOfBirth;

       AllUser dr = usr.GetDoctor();
       msg.sendTo.FirstName = dr.FirstName;
       msg.sendTo.LastName = dr.Surname;
       IDEntry entry = new MedicalObjects.MOComSend.Delivery.IDEntry();
       entry.IDValue = dr.GetPrimaryAddress.ProviderNo;
       msg.sendTo.ids = new MedicalObjects.MOComSend.Delivery.IDEntry[] {
entry };

       //Change this to the EConsult details
       msg.sendFrom.FirstName = "FirstName"; //First Name in the MO
Directory
       msg.sendFrom.LastName = "LastName"; //Surname in the MO Directory
       msg.sendFrom.MiddleName = ""; //Middle name in the MO Directory
       msg.sendFrom.Prefix = ""; //Prefix in the MO Directory;
       msg.sendFrom.ids = new IDEntry[] { new IDEntry("GS4556000D4") };
                        //the ID is the MO Identifier
```

```
 msg.Title = "Report Title";
       msg.Content = "This is the message in the report that will be sent";
       msg.ContentType = "Text"; //Only Text is supported for Simple
Message
```

```
msg.ReportID = reportId;
```

```
 //Serialise the object and place it in the queue
       string content = SerializeObject(msg);
```

```
                  //Post the content to the URL
       string portUrl = System.Configuration.ConfigurationSettings.
AppSettings["XmlPostUrl"];
         //This is typically "http://localhost:2511/rest/content/creation
/webxml"
         //for a typical Capricorn install
```

```
 string HttpResult = PerformHttpPost(portUrl, content);if (!HttpResult.
ToUpper().Equals("OK")){//Could not process the request to the server.
Perform your own error management}}
```

```
private string GetNewReportID()
{
string result = "";
foreach (char c in Guid.NewGuid().ToString())
if (Char.IsLetterOrDigit(c))
result += c;
return result;
}
```

```
  private String utf8mb4ByteArrayToString(Byte[] characters)
   {
       utf8mb4Encoding encoding = new utf8mb4Encoding();
       String constructedString = encoding.GetString(characters);
       return (constructedString);
   }
```

```
  public String SerializeObject(Object objectToSerialize)
   {
       try
       {
           String XmlizedString = null;
           MemoryStream memoryStream = new MemoryStream();
           XmlSerializer xs = new XmlSerializer(objectToSerialize.
GetType());
           XmlTextWriter xmlTextWriter = new XmlTextWriter(memoryStream,
Encoding.utf8mb4);
           xs.Serialize(xmlTextWriter, objectToSerialize);
           memoryStream = (MemoryStream)xmlTextWriter.BaseStream;
           XmlizedString = utf8mb4ByteArrayToString(memoryStream.
ToArray());
           return XmlizedString.Trim();
       }
       catch (Exception e)
       {
           return null;
       }
   }
```