IDESGidp IdentityProvider commentary

Test u2f at <https://demo.yubico.com/u2f>

Started from [the IdentityServer4 documentation](http://docs.identityserver.io/en/release/quickstarts/6_aspnet_identity.html)

Helped with [Scott Brady on IdSvr4](https://www.scottbrady91.com/Identity-Server/Getting-Started-with-IdentityServer-4)

Good explication of web auth with x.509 here <https://github.com/martinpaljak/x509-webauth/wiki/WebAuth>

Add support for XML files <https://andrewlock.net/formatting-response-data-as-xml-or-json-based-on-the-url-in-asp-net-core/>

Initial install (nuget) of IdentityServer4 version 2.1.3 which brought the following with it.

Installing System.Runtime.Serialization.Xml 4.3.0.

Installing Microsoft.IdentityModel.Logging 5.2.1.

Installing Microsoft.IdentityModel.Tokens 5.2.1.

Installing Newtonsoft.Json 11.0.1.

Installing System.IdentityModel.Tokens.Jwt 5.2.1.

Installing IdentityModel 3.3.0.

Installing IdentityServer4 2.1.3.

Installing NuGet package IdentityServer4 2.1.3.

Restore completed in 12.44 sec for C:\Users\rp\_to\_000\...\IDESGidp.csproj.

Successfully uninstalled 'Microsoft.IdentityModel.Logging 1.1.4' from IDESGidp

Successfully uninstalled 'Microsoft.IdentityModel.Tokens 5.1.4' from IDESGidp

Successfully uninstalled 'Newtonsoft.Json 10.0.1' from IDESGidp

Successfully uninstalled 'System.ComponentModel 4.3.0' from IDESGidp

Successfully uninstalled 'System.ComponentModel.Primitives 4.3.0' from IDESGidp

Successfully uninstalled 'System.ComponentModel.TypeConverter 4.3.0' from IDESGidp

Successfully uninstalled 'System.IdentityModel.Tokens.Jwt 5.1.4' from IDESGidp

Successfully uninstalled 'System.Private.DataContractSerialization 4.1.1' from IDESGidp

Successfully uninstalled 'System.Runtime.Serialization.Formatters 4.3.0' from IDESGidp

Successfully uninstalled 'System.Security.Cryptography.Cng 4.3.0' from IDESGidp

Successfully uninstalled 'System.Xml.XmlSerializer 4.0.11' from IDESGidp

Successfully installed 'IdentityModel 3.3.0' to IDESGidp

Successfully installed 'IdentityServer4 2.1.3' to IDESGidp

Successfully installed 'Microsoft.IdentityModel.Logging 5.2.1' to IDESGidp

Successfully installed 'Microsoft.IdentityModel.Tokens 5.2.1' to IDESGidp

Successfully installed 'Newtonsoft.Json 11.0.1' to IDESGidp

Successfully installed 'System.IdentityModel.Tokens.Jwt 5.2.1' to IDESGidp

Successfully installed 'System.Private.DataContractSerialization 4.3.0' to IDESGidp

Successfully installed 'System.Runtime.Serialization.Xml 4.3.0' to IDESGidp

Successfully installed 'System.Security.Cryptography.Cng 4.4.0' to IDESGidp

Successfully installed 'System.Xml.XmlSerializer 4.3.0' to IDESGidp

Also add IdentityServer4.AspNetIdentity 2.1.0.

Update IdentityServer 4 to 2.2.0 on 2018-04-16

GET https://api.nuget.org/v3-flatcontainer/identityserver4/index.json

OK https://api.nuget.org/v3-flatcontainer/identityserver4/index.json 326ms

GET https://api.nuget.org/v3-flatcontainer/identityserver4/2.2.0/identityserver4.2.2.0.nupkg

OK https://api.nuget.org/v3-flatcontainer/identityserver4/2.2.0/identityserver4.2.2.0.nupkg 75ms

GET https://api.nuget.org/v3-flatcontainer/identitymodel/index.json

OK https://api.nuget.org/v3-flatcontainer/identitymodel/index.json 248ms

GET https://api.nuget.org/v3-flatcontainer/identitymodel/3.6.1/identitymodel.3.6.1.nupkg

OK https://api.nuget.org/v3-flatcontainer/identitymodel/3.6.1/identitymodel.3.6.1.nupkg 246ms

Installing IdentityModel 3.6.1.

Installing IdentityServer4 2.2.0.

Installing NuGet package identityserver4 2.2.0.

Committing restore...

Writing lock file to disk. Path: C:\Users\rp\_to\_000\Documents\TopCat\Repos\IDESGidp\IDESGidp\obj\project.assets.json

Restore completed in 1.7 min for C:\Users\rp\_to\_000\Documents\TopCat\Repos\IDESGidp\IDESGidp\IDESGidp.csproj.

Successfully uninstalled 'IdentityModel 3.3.0' from IDESGidp

Successfully uninstalled 'IdentityServer4 2.1.3' from IDESGidp

Successfully uninstalled 'Newtonsoft.Json 11.0.1' from IDESGidp

Successfully installed 'IdentityModel 3.6.1' to IDESGidp

Successfully installed 'IdentityServer4 2.2.0' to IDESGidp

Successfully installed 'Newtonsoft.Json 11.0.2' to IDESGidp

Executing nuget actions took 3.22 sec

Time Elapsed: 00:01:46.500467