



PREPARED FOR

General Public

PREPARED BY

Infinite Loop Development Ltd



Overview

This web service is accessible via <https://www.u2fapi.com/api.asmx>, and the WSDL can be downloaded here; <https://www.u2fapi.com/api.asmx?WSDL>

It is designed to be consumed via a C# (.NET) client, however, other clients can use simple HTTPS GET and POST to access this web-service.

1. Register method

The register method is accessible via <https://www.u2fapi.com/api.asmx?op=Register>

A sample data parameter is;

```
BQTHKO4OqxGUI-x47uApYZ1fy9-F25sOmBT3pmbq_i073LdrCkBxsqrPp8fuBtG3XzLQv
Hk4szSmcfcNjYfdEv2nYBPMle58LaS6fMBIYeP5T4yNbH0zIzXUT_vMT5E6Jpadr_mBXC-d
ETQf0oLsP7Ocs3u3jEX0yafxymP4B2zyxEDrUaDe2hh11BKmXlob6tYDDE4zRqnvax1HLU
DtZn4nvzCCARswgcKgAwlBAGlKcqiUCrHS_Rhw5TAKBggqhkjOPQQDAjAVMRMwEQY
DVQQDEwVMkYgSXNzdWVYMB0XCzAwMDEwMTAwMDBaFwswMDAxMDEwMDAw
WjAVMRMwEQYDVQQDEwVMkYgRGV2aWNIMFkwEwYHKoZlZj0CAQYIKoZlZj0DAQc
DQgAETUkM092bCpzTFdAsGuXjcrpXLv8HjcFqI-WjVAzpmfE7BPUjG976yJQ3t8At17Hcui
ySqwexDDKgV2EMwTWCSjAKBggqhkjOPQQDAgNIADBFAiEAwaOmji8WpyFGJwV_Yrty
jJ4D56G6YtBGUk5FbSwvP3MCIAtfeOURqhgSn28jbZITIn2StOZ-31PoFt-wXZ3luQ_eMEQ
ClChj2Sgud78zubwKAnh6KTSdNbb0SHiSXOD5hR_39simAiASaYTXlmdGebq-S41rxRET
OLlqyXmRSDEge9GmSDYRw
```

Which would return;

```
<Registration xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://u2fapi.org/">
  <userPublicKey>
    BMco7g6rEZSX7Hju4ClhnV/L34Xbmw6YFPemZur+LTvct2sKQHGYqs+nx+4G0bdfMtC8eTizN
    KZx9w0lh90S/ac=
  </userPublicKey>
  <keyHandleLength>96</keyHandleLength>
  <keyHandle>
    E8wh7nwtpLp8wEhh4/lPjI1sfTMhnFRP+8xPkTomlp2v+YFdz50RNB/Sguw/s5yze7eMRfTJp
    /HKY/gHbPLEQOtRoN7aGGXUEqZcihvq1gMMTjNgqe9rHUctQO3M3ie/
  </keyHandle>
```

```
<attestationCertificate/>

<WebSafeKeyHandle>

  E8wh7nwtplp8wEhh4_lPjI1sfTMhnFRP-8xPkTomlp2v-YFdz50RNB_Sguw_s5yze7eMRfTJp
  _HKY_gHbPLEQOtRoN7aGGXUEqZcihvq1gMMTjNGqe9rHUctQO3M3ie_

</WebSafeKeyHandle>

</Registration>
```

2. Sign method

The Sign method is accessible via <https://www.u2fapi.com/api.asmx?op=Sign>

A sample data parameter is;

```
AQAAABIwRQIgKUib3MqTAlaMc2vwDOHq1aBDLNFPNWZ9t2DWIRrqqzgwCIQDyj0VkF-Z2DjK7N1
ivSemZv2SSshRL90itNWDIT086XQ
```

Which returns

```
<Signature xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://u2fapi.org/">

  <UserPresence>true</UserPresence>

  <UserCounter>18</UserCounter>

</Signature>
```