

Caché .Net Binding?????????IRIS?.Net Native API?????????????????



[Hiroshi Sato](#) · 8? 26, 2020 5m read

Caché .Net Binding?????????IRIS?.Net Native API?????????????????

?????????????????????GitHub?????????????

[.NET?????](#)

Powershell??.NET?????????????????????

callclassmethod.ps1?????????????????

???????Caché ?IRIS???

Caché ??.Net Binding?????????????????IRIS??.Net Native API?????????????????

???Caché ??????????????????

```
Add-Type -Path 'C:\InterSystems\Ensemble\dev\dotnet\bin\v4.0.30319\InterSystems.Data.CacheClient.dll'
$cc = New-Object InterSystems.Data.CacheClient.CacheConnection("localhost",1972,"USER","_SYSTEM","SYS")
$cc.Open()
$ms = New-Object InterSystems.Data.CacheTypes.CacheMethodSignature
$ms.Clear()
$ms.SetReturnType($cc,[InterSystems.Data.CacheTypes.ClientTypeId]::tString)[InterSystems.Data.CacheTypes.C
acheObject]::RunClassMethod($cc,"%SYSTEM.Version","GetVersion",$ms)
$ms.ReturnValue._Value
```

IRIS?????????????????????

Caché .Net Binding?????????IRIS?.Net Native API??????????????????

Published on InterSystems Developer Community (<https://community.intersystems.com>)

```
Add-Type -Path 'C:\InterSystems\IRIS\dev\dotnet\bin\v4.5\InterSystems.Data.IRISClient.dll'  
$cc = New-Object InterSystems.Data.IRISClient.IRISConnection("localhost",51773,"USER","_SYSTEM","SYS")  
$cc.Open()  
$iris = [InterSystems.Data.IRISClient.ADO.IRIS]::CreateIRIS($cc)  
$ReturnValue = $iris.ClassMethodString("%SYSTEM.Version","GetVersion")  
$ReturnValue
```

Powershell?.NET???????????????????

classload.ps1???????????????

??????xml?????????Caché /IRIS??????????????????

???Caché ??????????????????

```
Add-Type -Path 'C:\InterSystems\Ensemble\dev\dotnet\bin\v4.0.30319\InterSystems.Data.CacheClient.dll'  
$cc = New-Object InterSystems.Data.CacheClient.CacheConnection("localhost",1972,"USER","_SYSTEM","SYS")  
$cc.Open()  
$ms = New-Object InterSystems.Data.CacheTypes.CacheMethodSignature  
$ms.Clear()  
$ms.SetReturnType($cc,[InterSystems.Data.CacheTypes.ClientTypeId]::tString)  
$ms.Add("c:\temp\load.xml",1)  
[InterSystems.Data.CacheTypes.CacheObject]::RunClassMethod($cc,"%SYSTEM.OBJ","Load",$ms)  
$ms.ReturnValue._Value
```

IRIS?????????????????????

```
Add-Type -Path 'C:\InterSystems\IRIS\dev\dotnet\bin\v4.5\InterSystems.Data.IRISClient.dll'  
$cc = New-Object InterSystems.Data.IRISClient.IRISConnection("localhost",51773,"USER","_SYSTEM","SYS")  
$cc.Open()  
$iris = [InterSystems.Data.IRISClient.ADO.IRIS]::CreateIRIS($cc)  
$iris.ClassMethodStatusCode("%SYSTEM.OBJ","Load","c:\temp\load.xml","ck-d")
```

IRIS??

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??ClassMethodString?????????
??ClassMethodStatusCode?????????

.NET????????????????????????????????

????Powershell????????????

??Caché ??????????

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using InterSystems.Data.CacheClient;
using InterSystems.Data.CacheTypes;

namespace ConsoleApplication1
{
class Program
    {
        static void Main(string[] args)
        {
            // Create a connection to Cache
            CacheConnection conn = new CacheConnection();
// Cache server Connection Information
            // Set Server to your IP address and port to Cache SuperServer port, Log File is optional
            conn.ConnectionString = "Server = localhost; Log File=cprovider.log;Port=1972; Namespace=Samples;
Password = SYS; User ID = _SYSTEM;";
//Open a Connection to Cache
            conn.Open();
CacheMethodSignature ms = new CacheMethodSignature();
ms.SetReturnType(conn, ClientTypeId.tString);
            CacheObject.RunClassMethod(conn, "%SYSTEM.Version", "GetVersion", ms);
Console.WriteLine("ReturnValue = " + ms.ReturnValue._Value);
conn.Close();
        }
    }
}
```

IRIS?.Net Native API????????????????????????????????

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
//using InterSystems.Data.CacheClient;
//using InterSystems.Data.CacheTypes;
using InterSystems.Data.IRISClient;
using InterSystems.Data.IRISClient.ADO;
```

```

namespace ConsoleApplication1
{
    class Program
    {
        static void Main(string[] args)
        {
            // Create a connection to Cache
            //CacheConnection conn = new CacheConnection();
            IRISConnection conn = new IRISConnection();
            IRIS iris;
            // Cache server Connection Information
            // Set Server to your IP address and port to Cache SuperServer port, Log File is optional
            //conn.ConnectionString = "Server = localhost; Log File=cprovider.log;Port=1972; Namespace=Samples;
Password = SYS; User ID = _SYSTEM;";
            conn.ConnectionString = "Server = localhost; Log File=irisnativeapi.log;Port=51773; Namespace=USER;
Password = SYS; User ID = _SYSTEM;";
            //Open a Connection to Cache
            conn.Open();
            //CacheMethodSignature ms = new CacheMethodSignature();
            //ms.SetReturnType(conn, ClientTypeId.tString);
            iris = IRIS.CreateIRIS(conn);
            //CacheObject.RunClassMethod(conn, "%SYSTEM.Version", "GetVersion", ms);
            string ReturnValue = iris.ClassMethodString("%SYSTEM.Version", "GetVersion");
            //Console.WriteLine("ReturnValue = " + ms.ReturnValue._Value);
            Console.WriteLine("ReturnValue = " + ReturnValue);
            conn.Close();
        }
    }
}

```

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