

System.Net.NetworkCredential Class

```
[ILAsm]
.class public NetworkCredential extends System.Object implements
System.Net.ICredentials

[C#]
public class NetworkCredential: ICredentials
```

Assembly Info:

- Name: System
- Public Key: [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00 00]
- Version: 2.0.x.x
- Attributes:
 - CLSCompliantAttribute(true)

Implements:

- System.Net.ICredentials

Summary

Provides credentials for password-based authentication.

Inherits From: System.Object

Library: Networking

Thread Safety: All public static members of this type are safe for multithreaded operations. No instance members are guaranteed to be thread safe.

Description

The `System.Net.NetworkCredential` class supplies client credentials used in password-based authentication schemes such as Kerberos.

[*Note:* Classes that implement the `System.Net.ICredentials` interface, such as the `System.Net.CredentialCache` class, return `System.Net.NetworkCredential` instances.

This class does not support public key-based authentication methods such as SSL client authentication.

]

NetworkCredential() Constructor

```
[ILAsm]  
public rtspecialname specialname instance void .ctor()  
  
[C#]  
public NetworkCredential()
```

Summary

Constructs and initializes a new instance of the `System.Net.NetworkCredential` class.

Description

The properties of the new `System.Net.NetworkCredential` instance are initialized to `null`.

NetworkCredential(System.String, System.String) Constructor

```
[ILAsm]
public rtspecialname specialname instance void .ctor(string userName,
string password)

[C#]
public NetworkCredential(string userName, string password)
```

Summary

Constructs and initializes a new instance of the `System.Net.NetworkCredential` class with the specified user name and password.

Parameters

Parameter	Description
<i>userName</i>	A <code>System.String</code> containing the user name for the account associated with the credentials.
<i>password</i>	A <code>System.String</code> containing the password for the account associated with the credentials.

Description

This constructor initializes the `System.Net.NetworkCredential.UserName` property of the new instance to *userName* and the `System.Net.NetworkCredential.Password` property to *password*. The `System.Net.NetworkCredential.Domain` property is initialized to `System.String.Empty`. The values specified for *userName* and *password* are passed through to the operating system without modification.

NetworkCredential(System.String, System.String, System.String) Constructor

```
[ILAsm]
public rtspecialname specialname instance void .ctor(string userName,
string password, string domain)

[C#]
public NetworkCredential(string userName, string password, string domain)
```

Summary

Constructs and initializes a new instance of the `System.Net.NetworkCredential` class with the specified user name, password, and domain.

Parameters

Parameter	Description
<i>userName</i>	A <code>System.String</code> containing the user name associated with the credentials.
<i>password</i>	A <code>System.String</code> containing the password for the user name associated with the credentials.
<i>domain</i>	A <code>System.String</code> containing the domain associated with the credentials.

Description

This constructor initializes the `System.Net.NetworkCredential.UserName` property of the new instance to *userName*, the `System.Net.NetworkCredential.Password` property to *password*, and the `System.Net.NetworkCredential.Domain` property to *domain*. The values specified for *userName*, *password* and *domain* are passed through to the operating system without modification.

NetworkCredential.GetCredential(System.Uri, System.String) Method

```
[ILAsm]  
.method public final hidebysig virtual class System.Net.NetworkCredential  
GetCredential(class System.Uri uri, string authType)  
  
[C#]  
public NetworkCredential GetCredential(Uri uri, string authType)
```

Summary

Returns the current instance.

Parameters

Parameter	Description
<i>uri</i>	A System.Uri representing the resource for which the client is to be authenticated.
<i>authType</i>	A System.String containing the System.Net.IAuthenticationModule.AuthenticationType of the System.Net.IAuthenticationModule that will receive the credentials returned by this method.

Return Value

The current System.Net.NetworkCredential instance.

NetworkCredential.Domain Property

```
[ILAsm]
.property string Domain { public hidebysig specialname instance string
get_Domain() public hidebysig specialname instance void set_Domain(string
value) }

[C#]
public string Domain { get; set; }
```

Summary

Gets or sets the domain or machine name that verifies the current credentials.

Property Value

A `System.String` containing the name of the domain that verifies the current credentials.

Description

The `System.Net.NetworkCredential.Domain` property indicates the domain or realm to which the account belongs. [*Note:* Typically, this is the host machine name where the application executes or the user domain for the currently logged in user.]

Permissions

Permission	Description
System.Security.Permissions.EnvironmentPermission	Requires read access to the environment variable that contains the domain name. See <code>System.Security.Permissions.EnvironmentPermissionAccess.Read</code> .

NetworkCredential.Password Property

```
[ILAsm]
.property string Password { public hidebysig specialname instance string
get_Password() public hidebysig specialname instance void
set_Password(string value) }

[C#]
public string Password { get; set; }
```

Summary

Gets or sets the password of the account associated with the current credentials.

Property Value

A System.String containing the password of the account associated with the current credentials.

Permissions

Permission	Description
System.Security.Permissions.SecurityPermission	Requires permission to execute unmanaged code. See System.Security.Permissions.SecurityPermissionFlag.UnmanagedCode.

NetworkCredential.UserName Property

```
[ILAsm]
.property string UserName { public hidebysig specialname instance string
get_UserName() public hidebysig specialname instance void
set_UserName(string value) }

[C#]
public string UserName { get; set; }
```

Summary

Gets or sets the user name for the account associated with the current credentials.

Property Value

A System.String containing the user name for the account associated with the current credentials.

Permissions

Permission	Description
System.Security.Permissions.EnvironmentPermission	Requires read access to the environment variable that contains the user name. See System.Security.Permissions.EnvironmentPermissionAccess.Read.