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:*
  - o 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
userName	A `System.String` containing the user name for the account associated with the credentials.
password	A `System.String` 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
userName	A System.String containing the user name associated with the credentials.
password	A System.String containing the password for the user name associated with the credentials.
domain	A System.String 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
uri	A `System.Uri` representing the resource for which the client is to be authenticated.
authType	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 `System.Security.Permissions. EnvironmentPermissionAccess.Read`.

1 # NetworkCredential.Password Property

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

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

8 **Summary**

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

10 **Property Value**

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

13 **Permissions**

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

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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.`