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:* 1.0.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.]

1 NetworkCredential() Constructor

```
[ILASM]
public rtspecialname specialname instance void .ctor()

[C#]
public NetworkCredential()
```

6 Summary

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

9 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**.

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**.