

Syspeace Web Detector Reporter for .NET

API Reference

class SyspeaceReporter

static void **LogAccess**(string username, bool success, HttpRequest request, string reportingToken = "", string website)

Reports a login attempt to Syspeace Web Detector Provider

Parameters

username – *must not be null*

Username attempting to login

success

Represents whether the login attempt was successful

request – *must not be null*

The ASP.NET request object

reportingToken (*optional*)

The current Reporting Token configured in Syspeace settings, if any

website

A website id or name used to determine which website a web detector rule should be applied to

Exceptions

ArgumentNullException

username or *Request* is null

static void **LogAccess**(string username, bool success, HttpRequestbase baseRequest, string reportingToken = "", string website)

Reports a login attempt to Syspeace Web Detector Provider

Parameters

username – *must not be null*

Username attempting to login

success

Represents whether the login attempt was successful

baseRequest – *must not be null*

The ASP.NET request object

reportingToken (*optional*)

The current Reporting Token configured in Syspeace settings, if any

website

A website id or name used to determine which website a web detector rule should be applied to

Exceptions

ArgumentNullException

username or *baseRequest* is null

static void **LogAccess**(string username, bool success, string ipAddress, string reportingToken = "", string website)

Reports a login attempt to Syspace Web Detector Provider

Parameters

username – *must not be null*

Username attempting to login

success

Represents whether the login attempt was successful

ipAddress – *must not be null and must be a valid IPv4 or IPv6 address*

Ip Address used by the user trying to login

reportingToken (*optional*)

The current Reporting Token configured in Syspace settings, if any

website

A website id or name used to determine which website a web detector rule should be applied to

Exceptions

ArgumentNullException

username or *ipAddress* is null

ArgumentOutOfRangeException

ipAddress is not a valid IPv4 or IPv6 address

static void **LogAccess**(string username, bool success, IPAddress ipAddress, string reportingToken = "", string website)

Reports a login attempt to Syspeace Web Detector Provider

Parameters

username – *must not be null*

Username attempting to login

success

Represents whether the login attempt was successful

ipAddress – *must not be null and must be a valid IPv4 or IPv6 address*

Ip Address used by the user trying to login

reportingToken (*optional*)

The current Reporting Token configured in Syspeace settings, if any

website

A website id or name used to determine which website a web detector rule should be applied to

Exceptions

ArgumentNullException

username or *ipAddress* is null

ArgumentOutOfRangeException

ipAddress is not a valid IPv4 or IPv6 address

What is the Syspace Web Detector Reporter for .NET?

Syspace Web Detector Reporter is used to collect relevant login data on any web page with a login functionality. The collected data is sent to the Syspace Web Detector which provides Syspace with login attempt information. This means that for the Web Detector Reporter to work you must have the Web Detector Provider installed in Syspace.

To prevent other websites running on the same server from sending login reports a *Reporting Token* is used in the Web Detector Reporter. A reporting token is a password-like feature that is set in Syspace settings and that value needs to correspond with the reporting token sent by the Web Detector Reporter. Unless they match the login report is ignored in Syspace.

How to install the Syspace Web Detector Reporter

The easiest way to install Web Detector reporter is to download it as a NuGet package in Visual Studio's NuGet Package Manager. To do this follow these steps.

1. Right click the project/website that you wish to install Web Detector Reporter in Visual Studio
2. Select the online tab in the NuGet Package Manager
3. Search for "Syspace Web Detector Reporter"
4. Once you have found this package click install
5. If you are using Visual Studio 2012 or later you may need to update to the latest version of NuGet. [Click here to Download NuGet](#)

How to use the Syspace Web Detector Reporter

To use the Web Detector Reporter, call the LogAccess method in the SyspaceReporter class in your code where you can determine whether the login was successful or not.

```
var user = IsValidUser(UserName, Password);
string reportingToken = "ReportingToken123";
string website = "My ASP.NET Website";
bool isSuccess = false;

if (user != null) {
    // code handling valid logins, logging in, etc
    isSuccess = true;
} else {
    // code handling invalid logins
    isSuccess = false;
}
SyspaceReporter.LogAccess(UserName, isSuccess, Request, reportingToken, website);
```

This code example is meant to illustrate where in your login code (shown in gray) to call the LogAccess method and what information to supply it with. In the example, a login check is first performed and then based whether the login was successful or not isSuccess is given its value. After we have determined login success we call the LogAccess method and supply it with the username trying to login, login success, the current ASP.NET request object, our reporting token and our website name.

Once you have implemented the required code on your website/project we suggest that you test it by making both failed and successful login attempts. You can then verify if the login attempts are recorded correctly by checking the Syspace Access Log under Settings -> Access Log in Syspace.

What the Syspeace Web Detector Reporter requires

The Web Detector will need the following NuGet packages to run.

1. Microsoft HTTP Client Libraries – Version 2.2.18 or later
2. Json.NET – Version 6.0.1 or later

If you installed the Web Detector Reporter in your project by downloading it as a NuGet package the required packages will be installed automatically. If this is not the case you must install these packages manually.

You will also be required to install the Web Detector Provider in Syspeace as mentioned under *What is Syspeace Web Detector Reporter*.