

Syspeace Web Detector Reporter specification

What is this document about?

This documentation describes how a Web Detector Reporter works and is used to report login attempts to the Web Detector Provider. The purpose of this is to give you instructions on how to create your own Web Detector Reporter in any programming language. We will give you instructions on what information the reporter needs to work and how the login reports are reported to the Web Detector Provider.

Prerequisites

You will need an understanding on how the Web Detector Provider works, see *Syspeace Detector Providers for System Administrators* for more information. You will also need knowledge in your preferred programming language.

Short description of Web Detector Reporters

Web Detector Reporters are used to report login attempts to a Web Detector Provider. This is done by first gathering specified information about login attempts such as when the login attempt was made, whether it was successful, who tried to login and some more information. This information is then converted into the correct format and sent to the Web Detector Provider.

Report format

The Web Detector Provider is set up to receive its information in the format of a JSON object. This object requires the following keys and values set as described:

Key	Value	Type
Username	The user trying to login	string
IP	The IP address of the login attempt	string
Success	Whether the login was successful or not.	boolean
UTCTimestamp	The time when the login attempt was made. The time must be in the ISO 8601 format: YYYY-MM-DDTHH:MM:SSZ.	string
ReportingToken	The current Reporting Token configured in the Syspeace settings. May be an empty string if no reporting token is required. If the tokens do not match, the observation is not recorded.	string
WebSite	The name of the web site. May be an empty string	string

Sending a login report

Send the JSON object as the body of an HTTP POST request to <http://localhost:60100/report>. This HTTP server is hosted locally by the Web Detector Provider. Be prepared for the request to fail if Syspeace is not running or the Web Detector Provider is not available, and handle failures gracefully.