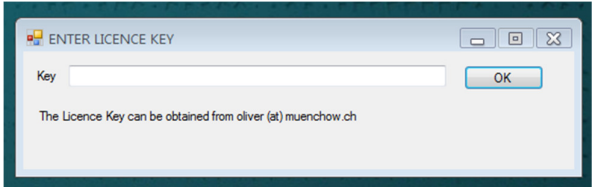
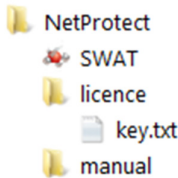


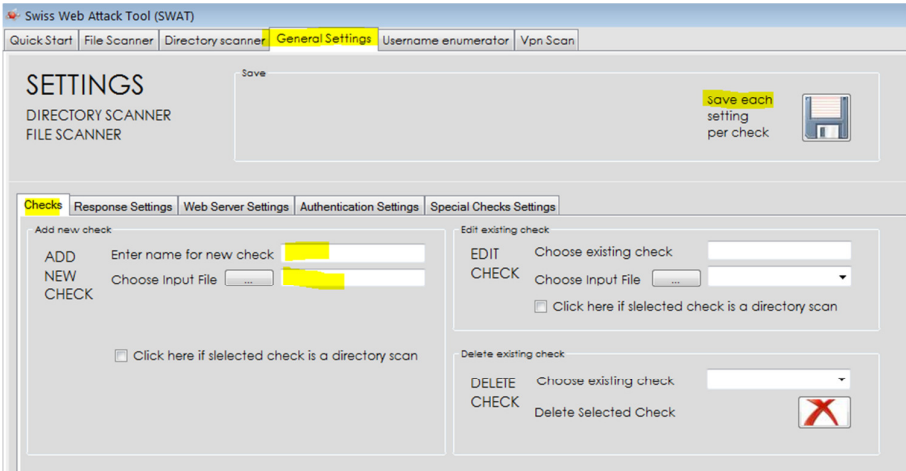
SWAT MANUAL

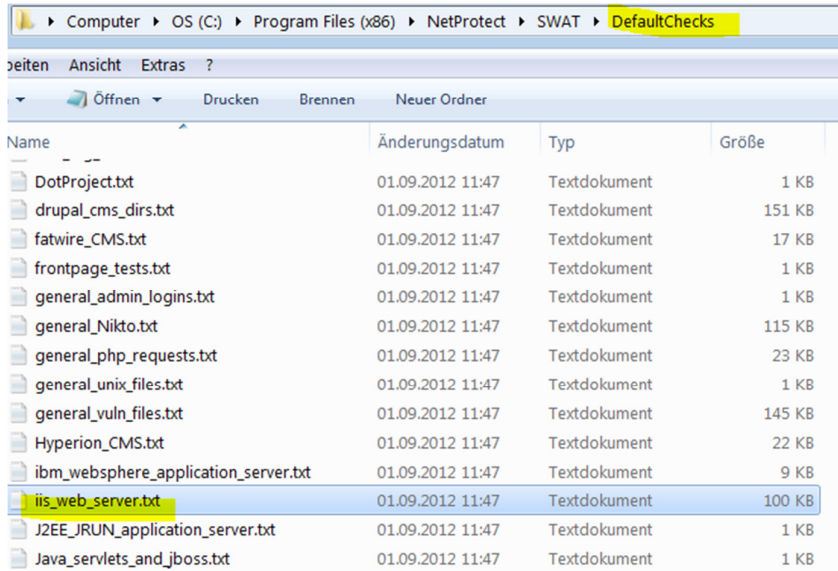
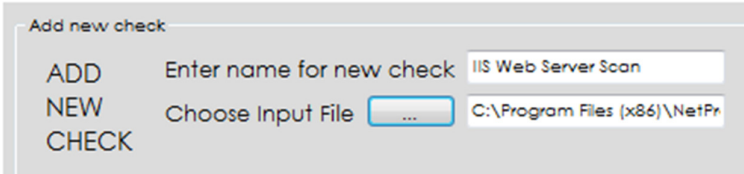
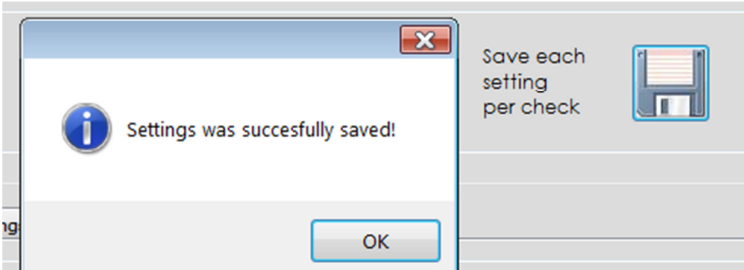
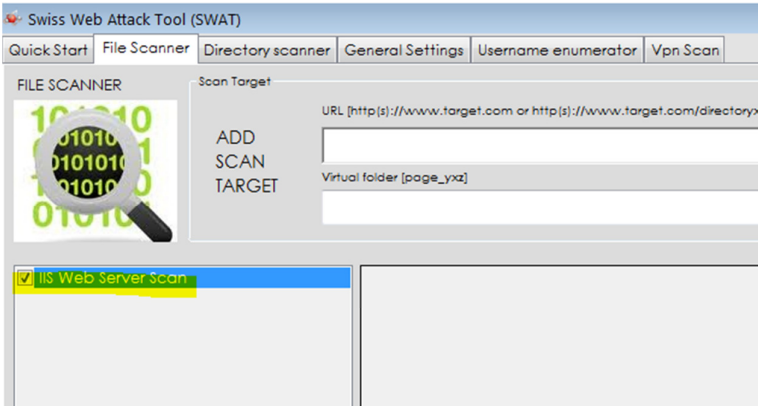
LICENCE KEY


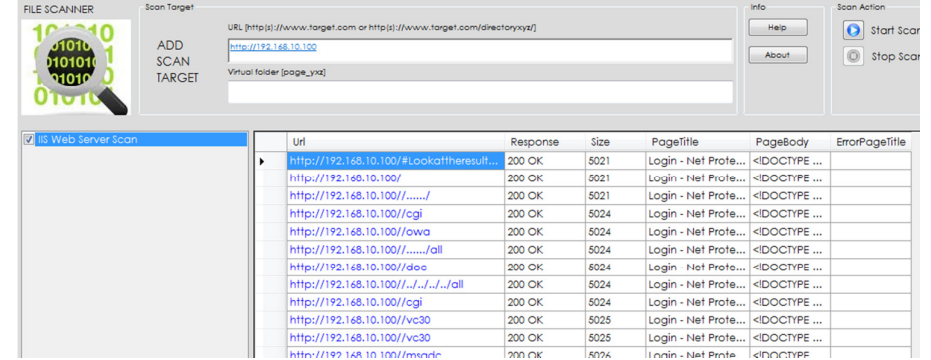

Description	Screenshot
Before starting you will be asked to enter a licence key.	
The key file can be found within your installation folder or when you browse to the start menu → programs → netprotect → licence.	

START FILE SCAN

The file scanner is looking for specific files (f.ex. /iissamples/sdk/asp/docs/CodeBrws.asp is looking for the file CodeBrws.asp in a given directory).

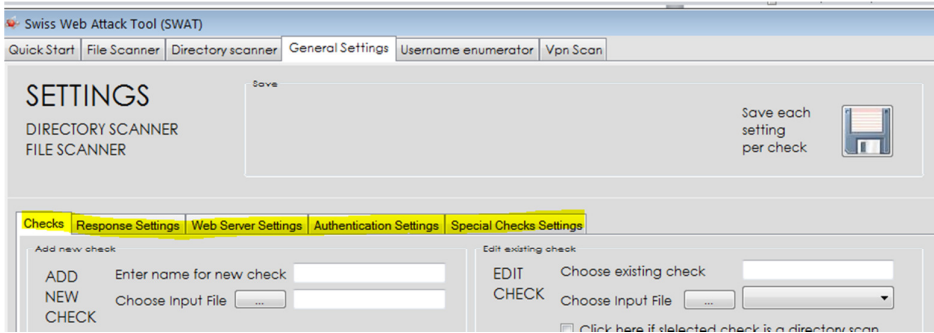
Description	Screenshot
To set up a new file scan template go to general settings, then within "Checks" choose a name for the new check and browse to the file.	

Description	Screenshot
<p>Assuming you want to test a IIS web server choose the iis_web_server.txt as the input file. This can be found in the default installation directory (f.ex. C:\Program Files (x86)\NetProtect\SWAT\DefaultChecks).</p> <p>Then give the check a name and save it (the save button can be used for all other settings as well).</p>	  
<p>After the scan is saved It will later appear in the file scanner menu.</p>	

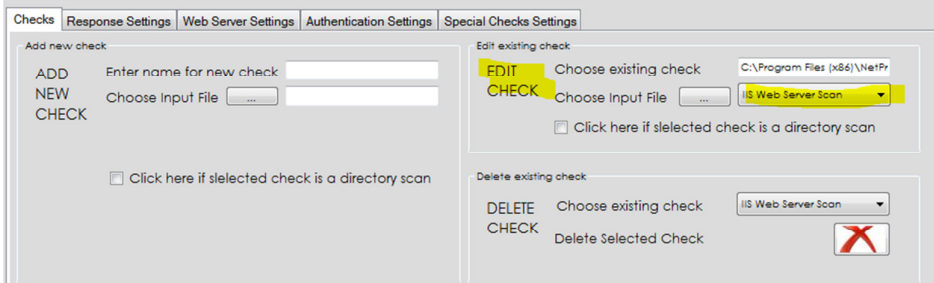
Description	Screenshot																																																																														
Let's assume you want to scan a website https://www.target.com you just have to enter that website in the target section and then select the scan you want to start.																																																																															
By default the scanner will only display the 200 OK answers from the web server. In the result window you will also have the page size, title and body. All fields are sortable.	 <table><thead><tr><th>Url</th><th>Response</th><th>Size</th><th>PageTitle</th><th>PageBody</th><th>ErrorPageTitle</th></tr></thead><tbody><tr><td>http://192.168.10.100/#Lookattheresult...</td><td>200 OK</td><td>5021</td><td>Login - Net Prote...</td><td><DOCTYPE ...</td><td></td></tr><tr><td>http://192.168.10.100/</td><td>200 OK</td><td>5021</td><td>Login - Net Prote...</td><td><DOCTYPE ...</td><td></td></tr><tr><td>http://192.168.10.100/...../</td><td>200 OK</td><td>5021</td><td>Login - Net Prote...</td><td><DOCTYPE ...</td><td></td></tr><tr><td>http://192.168.10.100//cgi</td><td>200 OK</td><td>5024</td><td>Login - Net Prote...</td><td><DOCTYPE ...</td><td></td></tr><tr><td>http://192.168.10.100//owa</td><td>200 OK</td><td>5024</td><td>Login - Net Prote...</td><td><DOCTYPE ...</td><td></td></tr><tr><td>http://192.168.10.100//.....all</td><td>200 OK</td><td>5024</td><td>Login - Net Prote...</td><td><DOCTYPE ...</td><td></td></tr><tr><td>http://192.168.10.100//doc</td><td>200 OK</td><td>5024</td><td>Login - Net Prote...</td><td><DOCTYPE ...</td><td></td></tr><tr><td>http://192.168.10.100//.....all</td><td>200 OK</td><td>5024</td><td>Login - Net Prote...</td><td><DOCTYPE ...</td><td></td></tr><tr><td>http://192.168.10.100//cgi</td><td>200 OK</td><td>5024</td><td>Login - Net Prote...</td><td><DOCTYPE ...</td><td></td></tr><tr><td>http://192.168.10.100//vc30</td><td>200 OK</td><td>5025</td><td>Login - Net Prote...</td><td><DOCTYPE ...</td><td></td></tr><tr><td>http://192.168.10.100//vc30</td><td>200 OK</td><td>5025</td><td>Login - Net Prote...</td><td><DOCTYPE ...</td><td></td></tr><tr><td>http://192.168.10.100//moadc</td><td>200 OK</td><td>5026</td><td>Login - Net Prote...</td><td><DOCTYPE ...</td><td></td></tr></tbody></table>	Url	Response	Size	PageTitle	PageBody	ErrorPageTitle	http://192.168.10.100/#Lookattheresult...	200 OK	5021	Login - Net Prote...	<DOCTYPE ...		http://192.168.10.100/	200 OK	5021	Login - Net Prote...	<DOCTYPE ...		http://192.168.10.100/...../	200 OK	5021	Login - Net Prote...	<DOCTYPE ...		http://192.168.10.100//cgi	200 OK	5024	Login - Net Prote...	<DOCTYPE ...		http://192.168.10.100//owa	200 OK	5024	Login - Net Prote...	<DOCTYPE ...		http://192.168.10.100//.....all	200 OK	5024	Login - Net Prote...	<DOCTYPE ...		http://192.168.10.100//doc	200 OK	5024	Login - Net Prote...	<DOCTYPE ...		http://192.168.10.100//.....all	200 OK	5024	Login - Net Prote...	<DOCTYPE ...		http://192.168.10.100//cgi	200 OK	5024	Login - Net Prote...	<DOCTYPE ...		http://192.168.10.100//vc30	200 OK	5025	Login - Net Prote...	<DOCTYPE ...		http://192.168.10.100//vc30	200 OK	5025	Login - Net Prote...	<DOCTYPE ...		http://192.168.10.100//moadc	200 OK	5026	Login - Net Prote...	<DOCTYPE ...	
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If you want to look at the result you can either open it in the browser (press "no" or a pop up.																																																																															

FILE SCAN OPTIONS – Response Settings

All settings have to be saved per Check – they don't apply in general. So you might have a separate setting for each check. By default the scanner will only look for the 200 OK message, make a request on port 80 or 443 (depends if you enter http or https in the target URL) and make all requests with the GET method.

Description	Screenshot
As mentioned before the Web File scanner will only look for 200 OK answers from the webserver to determine if a file exists or not. But you have a lot of extra options that you can configure.	

Set different Status Codes

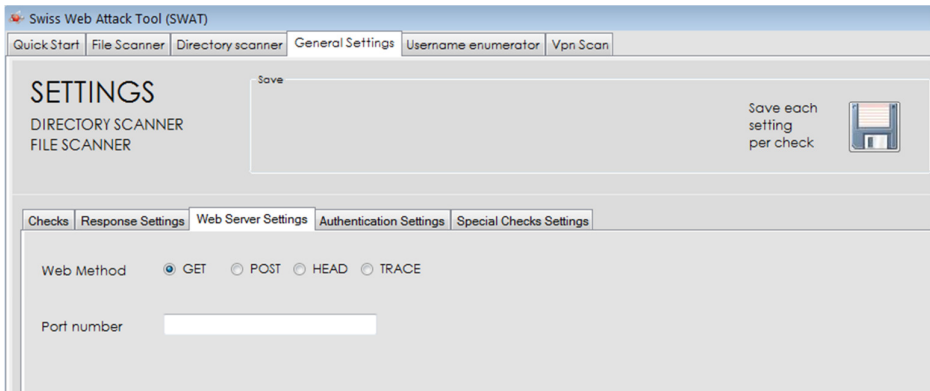
Description	Screenshot
Lets assume you want to also look for other answers from the IIS web server. You have to select "edit check" and select the check you want to edit.	

Description	Screenshot
Next you click on the response settings tab and select the response code you wanna look for. Use then the save button to save the check again.	<p>The screenshot shows the 'SETTINGS' window for the 'DIRECTORY SCANNER' and 'FILE SCANNER'. The 'Response Settings' tab is active. A 'Save' button is highlighted with a yellow arrow. A dialog box is displayed in the foreground with the message 'Settings was successfully saved!' and an 'OK' button.</p>

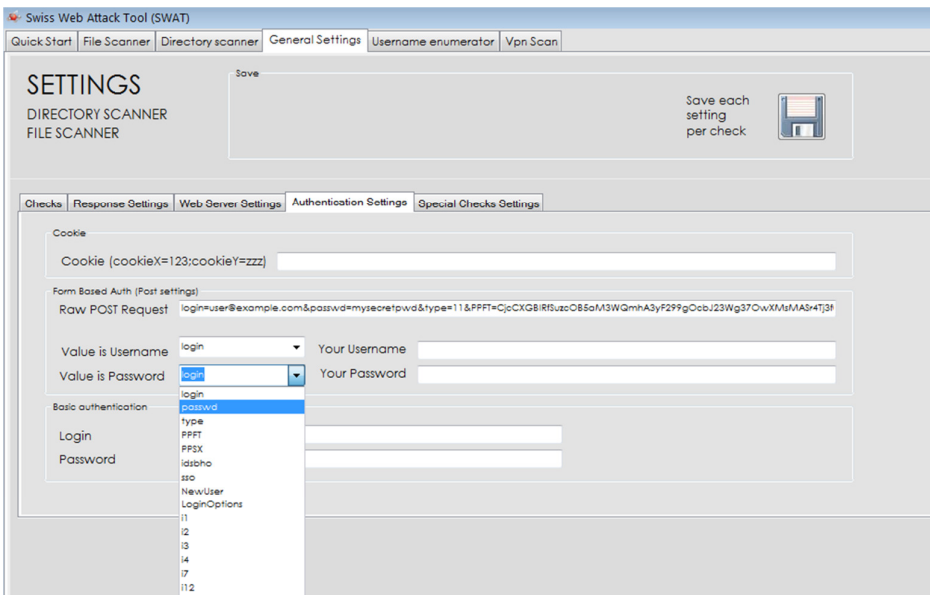
Catch custom error pages

Description	Screenshot
Some web servers will give you a 200 OK error message with some custom text. This page you want to ignore. To do that you need to tell the scanner some part of the custom error page title or some text from the page itself (like "we are sorry but this page does not exist")	<p>The screenshot shows the 'SETTINGS' window for the 'DIRECTORY SCANNER' and 'FILE SCANNER'. The 'Response Settings' tab is active. The 'Web Server Custom Error Message' section is highlighted with a yellow arrow. This section contains two input fields: 'Pagetitle of error page' and 'Expression within body'.</p>

FILE SCAN OPTIONS – Set the Port and the Web Method

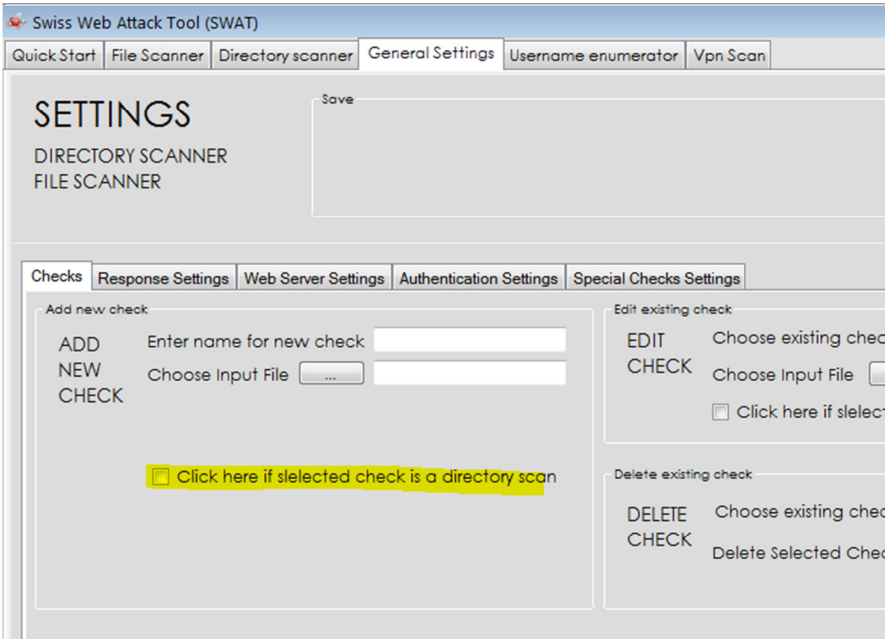
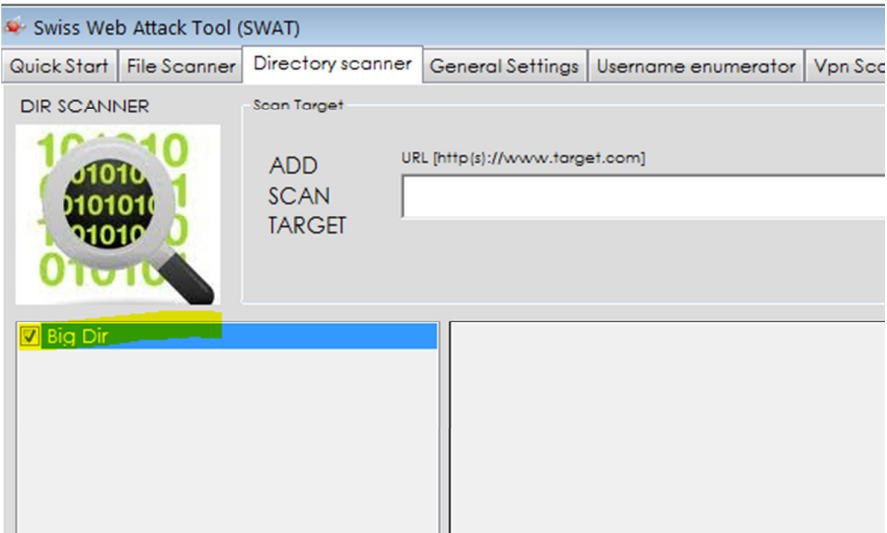
Description	Screenshot
<p>If you want to scan a different port or select a different method for each request you can specify this here.</p>	 <p>The screenshot shows the 'SETTINGS' window for the 'DIRECTORY SCANNER' and 'FILE SCANNER' in the Swiss Web Attack Tool (SWAT). The 'Web Method' is set to GET, and the 'Port number' field is empty. The 'Save each setting per check' checkbox is checked.</p>

FILE SCAN OPTIONS – Authentication Settings

Description	Screenshot
<p>You can set form based authentication values, basic auth values or just send the “authenticated” session cookie with each request. To use the form based authentication just paste the body from the raw HTTP POST or GET request in the marked field and then the SWAT which value is the username or the password. Then set your username/password.</p>	 <p>The screenshot shows the 'Authentication Settings' window in the Swiss Web Attack Tool (SWAT). The 'Form Based Auth (Post settings)' section is active, showing a 'Raw POST Request' field with a sample login request. The 'Basic authentication' section is also visible, showing fields for 'Login' and 'Password'.</p>

START DIRECTORY SCAN

The directory scanner is looking for specific directories – not files (f.ex. /iissamples/sdk/asp/docs/).

Description	Screenshot
<p>To set up a new Dir scan template go to general settings, then within "Checks" choose a name for the new check and browse to the file.</p> <p>The only difference to the web file scanner is that a 403 (forbidden) error message is indicating that the directory exists. So if you choose "click here if selected check is a directory scan" the scanner will only look for 403 messages by default.</p>	
<p>After selecting the option, that the check is a directory scan you will find the check within the directory scanner tab.</p>	

USERNAME SCANNER

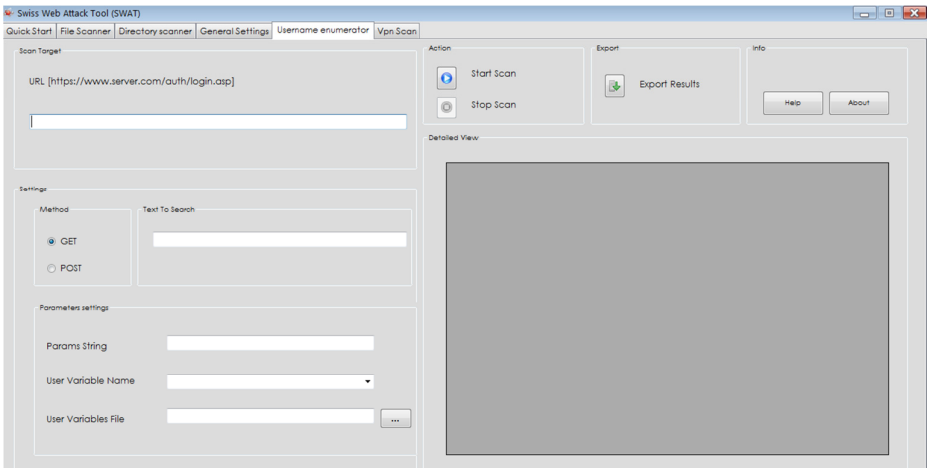

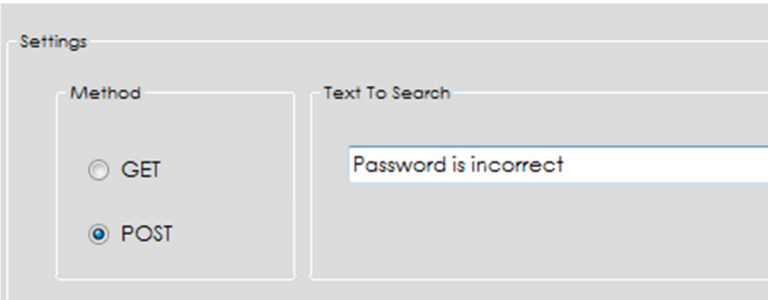
This tool is used to catch error messages when you login to a server and determine possible usernames. Let's assume you have an incorrect user/pwd you might get the following error:



Incorrect login

Let's assume you have a correct user but an invalid password you might get this error:

Password is incorrect

You know then that the username is correct.

Description	Screenshot
To get started open the username scanner tab.	 The screenshot shows the Swiss Web Attack Tool (SWAT) interface. The 'Username enumerator' tab is selected. The 'Scan Target' section has a URL field containing 'https://www.server.com/auth/login.asp'. The 'Settings' section shows 'Method' set to 'GET' and 'Text To Search' is empty. The 'Parameters settings' section has 'Params String' empty, 'User Variable Name' set to 'username', and 'User Variables File' empty. The 'Action' section has 'Start Scan' and 'Stop Scan' buttons. The 'Export' section has an 'Export Results' button. The 'Info' section has 'Help' and 'About' buttons. The 'Detailed View' section is empty.
Then enter the URL of the target .	 The screenshot shows the 'Scan Target' section of the SWAT interface. The 'URL' field contains 'https://www.server.com/auth/login.asp'. Below it, a new URL 'https://www.example.com/login.asp' is being entered into the same field.
Next enter the text from the error message that appears, when the user exists but the password is wrong.	 The screenshot shows the 'Settings' section of the SWAT interface. The 'Method' is set to 'POST'. The 'Text To Search' field contains the text 'Password is incorrect'.

Description	Screenshot
Next you have to paste the POST request (just the body) in the field and select from the dropdown menu the variable, which is represents the user name.	
Within the user variable file you can choose a list of possible usernames. SWAT comes with a user input file that you can use.	

VPN SCANNER

This tool targets multiple vulnerabilities and misconfiguration issues within a JUNIPER VPN web service.

Description	Screenshot
The easiest way to get started is choosing all tests and just enter the URL of the target.	