

Purpose

This document describes how to monitor websites effectively with Nagios XI. There are three different wizards to help you monitor the health of websites and to be notified when unexpected changes occur on the website or processes are not working as expected.

- Website Wizard is used to monitor the steady-state aspects of a website
- Website URL wizard is very similar and allows you to monitor the status and content of a specific URL
- Web Transaction Wizard monitors transactions and other interactive activities on your website

Target Audience

This document is intended for use by both Nagios Administrators and end-users.

Considerations

When monitoring websites, it is often recommended to check the operational status of several key metrics, including:

- HTTP response validity and load time
- DNS resolution and IP address match
- Website content
- SSL certificates
- Web transaction success and run time

Your monitoring needs will vary depending on the complexity of your website, its purpose, and its intended end-user.

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Page 1 / 13 Updated – February, 2022

Running A Wizard

To begin using one of the wizards, navigate via the top menu bar to **Configure > Run a configuration wizard** and select the required wizard from the list. In the following screenshot you can see how the search field allows you to quickly find a wizard.

<u>N</u> agios' XI	Home Views Dashboards Reports Configure Tools Help Admin Q 🥪 🛓 nagiosadmin 😊 Logout 🚍
✓ Configure	
Configuration Options	Configuration Wizards - Select a Wizard 🔅
✓ Configuration Tools	Start monitoring your infrastructure in minutes. Configuration wizards guide you through the process of setting up your devices, servers, applications, services, and more in Nagios XI. Select the appropriate wizard below to get started.
Configuration Wizards	
Manage Templates	Show: web 👌 🖬 🗃 🚓 🛢 🍳 🗹 N 🛍 Get More Wizards 🖒
✓ Advanced Configuration	
Core Config Manager	
V More Options	Website Website URL
My Account Settings System Configuration User Management Useronfigured Objects	Monitor a website. Monitor a specific web URL.
← Deadpool Settings	Web Transaction Monitor a synthentic web transaction.

The Website Wizard

This is the wizard you will use for most types of sites, where you are checking common server/site metrics. The best way to understand its capabilities is to see them, so a walk through of using this wizard follows.

Select the **Website** wizard from the list of wizards.

On **Step 1** enter the **URL** to your website. This can be either the front page of your the domain or any sub-page. The latter will only have a purpose of checking of existence of that page and content monitoring on it. Configuration Wizard: Website - Step 1
Monitor a website.
Website URL: https://www.nagios.com
The full URL of the website you'd like to monitor.

Configuration Wizard: Website You'd like to monitor.

Click **Next** once you've entered a URL.

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Monitoring Websites With Nagios XI

Step 2 is where you define the monitoring options. Here you can define which services you want to add for this site, including whether:

- To use SSL (HTTPS) and what port to use
- What to do if a redirect response is received, in this example follow was chosen
- Credentials if required
- Test is responds with a valid HTTP response
- The option of a ping check
- DNS resolution check
- The DNS response matches the IP address that was resolved when you ran the wizard
- A particular string is found on the page (either a literal string 192.168.172.18 or as a regular expression (^192\.168)| (^10\.)|(^172\.1[6-9])|(^172\.2[0-9])| (^172\.3[0-1]))
- The SSL certificate's expiry date is sufficiently far away

The **Use SSL** option and **SSL Certificate** check will **only** be available if the URL you gave in Step 2 began with https.

Web	osite URL:	https://www.nagios.com
Hos	t Name:	www.nagios.com
		The name you'd like to have associated with this website.
IP A	ddress:	45.33.1.79
		The IP address associated with the website fully qualified domain name (FQDN).
Web	site Onti	201
WCD	Site Optio	
Use	e SSL:	Monitor the website using SSL/HTTPS.
Por	t:	443
		The port to use when contacting the website.
On		follow •
Red	lirect:	How to handle redirected pages. sticky is like follow but will stick to the specified IP address. stickyport
		ensures the port stays the same.
Credentials:		Username Password
Web Speci	ify which se	Basic authentication only. The username and password to use to authenticate to the website (option ICES rvices you'd like to monitor for the website.
Web Speci	ify which se HTTP Includes	Basic authentication only. The username and password to use to authenticate to the website (option ices you'd like to monitor for the website.
Web Speci	ify which se HTTP Includes Ping Monitors i your web	Basic authentication only. The username and password to use to authenticate to the website (option ICES rvices you'd like to monitor for the website. Dasic monitoring of the website to ensure the web server responds with a valid HTTP response the website server with an ICMP ping. Useful for watching network latency and general uptime server. Not all web servers support this.
Web Speci	ify which se HTTP Includes I Ping Monitors I your web DNS Res Monitors I	Basic authentication only. The username and password to use to authenticate to the website (option ICES rvices you'd like to monitor for the website. Dasic monitoring of the website to ensure the web server responds with a valid HTTP response the website server with an ICMP ping. Useful for watching network latency and general uptime server. Not all web servers support this.
Web Speci	ify which set ify which set HTTP Includes I Ping Monitors I your web DNS Res Monitors I DNS IP M Monitors I DNS Joes	Basic authentication only. The username and password to use to authenticate to the website (option ces rvices you'd like to monitor for the website. Deasic monitoring of the website to ensure the web server responds with a valid HTTP response the website server with an ICMP ping. Useful for watching network latency and general uptime server. Not all web servers support this. Dolution the website DNS name to ensure it resolves to a valid IP address. Hatch the website DNS name to ensure it resolves to the current known IP address. Helps ensure y n't change unexpectedly, which may mean a security breach has occurred.
Web Speci X X	ify which se HTTP Includes I Ping Monitors I DNS Res Monitors I DNS IP N Monitors I DNS does Web Pag Monitors I	Basic authentication only. The username and password to use to authenticate to the website (option ICES rvices you'd like to monitor for the website. basic monitoring of the website to ensure the web server responds with a valid HTTP response the website server with an ICMP ping. Useful for watching network latency and general uptime server. Not all web servers support this. olution the website DNS name to ensure it resolves to a valid IP address. Hatch the website DNS name to ensure it resolves to the current known IP address. Helps ensure you't change unexpectedly, which may mean a security breach has occurred. e Content the website to ensure the specified string is found in the content of the web page. A content may indicate that your website has experienced a security breach or is not functioning correct.
Web Speci	ify which set ify which set HTTP Includes I Ping Monitors i DNS Res Monitors i DNS IP M Monitors i DNS does Web Pag Monitors i mismatch Content	Basic authentication only. The usemame and password to use to authenticate to the website (option CCES rvices you'd like to monitor for the website. basic monitoring of the website to ensure the web server responds with a valid HTTP response the website server with an ICMP ping. Useful for watching network latency and general uptime server. Not all web servers support this. olution the website DNS name to ensure it resolves to a valid IP address. Hatch the website DNS name to ensure it resolves to the current known IP address. Helps ensure yor n't change unexpectedly, which may mean a security breach has occurred. e Content the website to ensure the specified string is found in the content of the web page. A content may indicate that your website has experienced a security breach or is not functioning corres String To Expect: infrastructure
Web Speci X X X	ify which see HTTP Includes I Ping Monitors if your web DNS Res Monitors if DNS IP M Monitors if DNS does Web Pag Monitors if content if	Basic authentication only. The username and password to use to authenticate to the website (option ICES rvices you'd like to monitor for the website. Deasic monitoring of the website to ensure the web server responds with a valid HTTP response the website server with an ICMP ping. Useful for watching network latency and general uptime server. Not all web servers support this. Colution the website DNS name to ensure it resolves to a valid IP address. The website DNS name to ensure it resolves to the current known IP address. Helps ensure y n't change unexpectedly, which may mean a security breach has occurred. E Content the website to ensure the specified string is found in the content of the web page. A content may indicate that your website has experienced a security breach or is not functioning correction String To Expect: infrastructure E Regular Expression Match the website to ensure the specified regular expression is found in the content of the web page ismatch may indicate that your website has experienced a security breach or is not function
Web Speci X	site Servi ify which se HTTP Includes I Ping Monitors I DNS Res Monitors I DNS IP N Monitors I DNS does Web Pag Monitors I Content I Web Pag Monitors I Content I	Basic authentication only. The username and password to use to authenticate to the website (option ICCES rvices you'd like to monitor for the website. basic monitoring of the website to ensure the web server responds with a valid HTTP response the website server with an ICMP ping. Useful for watching network latency and general uptime server. Not all web servers support this. olution the website DNS name to ensure it resolves to a valid IP address. fatch the website DNS name to ensure it resolves to the current known IP address. Helps ensure yon't change unexpectedly, which may mean a security breach has occurred. e Content the website to ensure the specified string is found in the content of the web page. A content may indicate that your website has experienced a security breach or is not functioning correcting To Expect: infrastructure e Regular Expression Match the website to ensure the specified regular expression is found in the content of the web page ismatch may indicate that your website has experienced a security breach or is not function
Web Speci X X X	site Servi ify which se HTTP Includes I Ping Monitors i DNS Res Monitors i DNS IP N Monitors i DNS does Web Pag Monitors i mismatch Content i content m correctly. Regular I	Basic authentication only. The username and password to use to authenticate to the website (option ICCES rvices you'd like to monitor for the website. basic monitoring of the website to ensure the web server responds with a valid HTTP response the website server with an ICMP ping. Useful for watching network latency and general uptime server. Not all web servers support this. olution the website DNS name to ensure it resolves to a valid IP address. Hatch the website to ensure it resolves to the current known IP address. Helps ensure y n't change unexpectedly, which may mean a security breach has occurred. e Content the website to ensure the specified string is found in the content of the web page. A content may indicate that your website has experienced a security breach or is not functioning correstring To Expect: infrastructure e Regular Expression Match the website to ensure the specified regular expression is found in the content of the web page isimatch may indicate that your website has experienced a security breach or is not function Expression To Expect: [(*192\.168)](*10\.)] Ificate the expiration date of the website's SSL certificate and alerts you if it expires within the specified

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Once you've finished making your selections click Next and then complete the wizard by choosing the required options in Step 3 – Step 5.

To finish up, click on **Finish** in the final step of the wizard. This will create the new hosts and services and begin monitoring. Once the wizard applies the configuration, click the **View status details for** *your website* link to see the new host and services that were created.

👃 Host	1 Service	🏮 Status	Duration	1 Attempt	🖡 Last Check	\$\$ Status Information
www.nagios.com 🔊 🗋 🛹	DNS IP Match	Ok	39s	1/5	2016-12-07 16:43:16	DNS OK: 0.011 seconds response time. www.nagios.com returns 45.33.1.79
	DNS Resolution	Ok	39s	1/5	2016-12-07 16:43:16	DNS OK: 0.016 seconds response time. www.nagios.com returns 45.33.1.79
	нттр 💅	Ok	39s	1/5	2016-12-07 16:43:16	HTTP OK: HTTP/1.1 200 OK - 57491 bytes in 1.477 second response time
	Ping 😽	Ok	39s	1/5	2016-12-07 16:43:16	OK - www.nagios.com: rta 226.649ms, lost 0%
	SSL Certificate	Ok	39s	1/5	2016-12-07 16:43:16	OK - Certificate **.nagios.com' will expire on Thu 10 May 2018 11:59:00 PM AEST.
	Web Page Content 🥪	Ok	39s	1/5	2016-12-07 16:43:16	HTTP OK: HTTP/1.1 200 OK - 57491 bytes in 1.456 second response time
	Web Page Regex Match 🧩	Ok	39s	1/5	2016-12-07 16:43:16	HTTP OK: HTTP/1.1 200 OK - 57491 bytes in 1.499 second response time

The Website URL Wizard

The Website URL wizard is very similar to the Website wizard. Select the **Website URL** wizard from the list of wizards.

On **Step 1** enter the **URL** to your website.

Click Next once you've entered a URL.

00	Configuration Wizard: Website URL -	Step 1	1
URL II	nformation	-	
URL:	https://exchange.nagios.org/directory		
	Enter the full URL you'd like to monitor.		

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Next >

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Monitoring Websites With Nagios XI

Step 2 is where you define the monitoring options. Here you can define which services you want to add for this site:

- Service Name Prefix
- To use SSL (HTTPS) and what port to use
- Credentials if required
- A URL Status service
- A particular string is found in the content of the page
- A particular string is found in the content of the page using a regular expression

Once you've finished making your selections click Next and then complete the wizard by choosing the required options in Step 3 – Step 5.

To finish up, click on **Finish** in the final step of the wizard. This will create the new hosts

JRL D	etails			
URL:		https://exchange	e.nagios.org/dir	ectory
Host N	ame:	exchange.nagi	os.org	
		The name you'd lil	ke to have associa	ated with the website server.
Service		_directory		
lame	Prefix:	The service name to identify this UR	prefix that you'd L when monitoring	like to have used for specific URL services you select below. This prefix helps g different URLs on the same web server.
P Add	ress:	66.228.58.94		
		The IP address ass	ociated with the v	website fully qualified domain name (FQDN).
RL O	ptions			
lse SS	iL: (Monitor the UF	RL using SSL/HT	TPS.
ort:	[443		
	-	The port to use whe	n contacting the	website.
reden	tials:	Username	Password	
	-	The username and i	password to use to	
RL Se	ervices			
necify	which se	ervices vou'd like	to monitor for t	the LIRI
peeny	which s	ervices you a like		ine oke.
	IRL Stat ncludes	tus basic monitoring	of the URL to e	nsure the web server responds with a valid HTTP response.
s	ervice l	Name: URL Stat	JS	
	IRL Con Ionitors	tent the URL to ensure	e the specified s	string is found in the content of the web page. A content mismatch
п	nay indi	cate that your we	bsite has exper	ienced a security breach or is not functioning correctly.
C	ervice	Name: URL Cont	ent	Content String To Expect: Categories
3		topt Dogular Ex	procesion Matel	h
	KL COI	the URL to ensure	e the specified r	regular expression is found in the content of the web page. A content
	Ionitors			has experienced a security breach or is not functioning correctly.
U M M M	lonitors nismatcl	n may indicate th	at your website	has experienced a secardy breach of is not raneadining correctly.

and services and begin monitoring. Once the wizard applies the configuration, click the **View status details** for your website link to see the new host and services that were created.

↓ Host	1 Service	🏮 Status	Duration	1 Attempt	🄱 Last Check	\$ Status Information
exchange.nagios.org 🔊 🗋 🖋	_directory URL Content	Ok	19s	1/5	2016-12-07 16:52:45	HTTP OK: HTTP/1.1 200 OK - 45131 bytes in 2.142 second response time
	_directory URL Content Regex 🖋	Ok	1m 17s	1/5	2016-12-07 16:51:35	HTTP OK: HTTP/1.1 200 OK - 45131 bytes in 2.190 second response time
	_directory URL Status	Ok	1m 17s	1/5	2016-12-07 16:51:35	HTTP OK: HTTP/1.1 200 OK - 45131 bytes in 2.355 second response time

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The Web Transaction wizard

A more complex use case of website monitoring would be if you expect the content to be dynamic with user input and actions, and want to test that those actions complete as expected. For instance, you might test that a search box works (and what results are returned), whether the purchase and checkout process of your web store is behaving properly, or that a user can log in successfully. The **Web Transaction** wizard can be used for these types of checks. Additionally, it allows for checking all three of those in succession, and other multi-step procedures where each stage may be dependent on the previous one.

This wizard relies on a tool called WebInject, which handles the transition logic between stages of the transaction. Therefore you will need to understand how to write the configuration XML in the WebInject syntax to configure these kinds of checks. Some examples are given below. See the <u>WebInject manual</u> for more information.

Note that certain special characters need to be escaped. For instance, the < should be replaced with $\x3C$ so as not to interfere with the XML. Within POST data URL escapes are used, so for instance @ becomes \$40.

Providing an example of such a process can get pretty complicated somewhat quickly. Here is a simple example where we will search the Nagios Exchange for "**box293**". I know that the search results will come back with the word "box293" in the result so I am going to look for this. If for some reason "box293" was not present on the web page the service will go into a critical state.

Seleo	ct the	Webs	ite T	ransad	ction	wizard
from	the lis	st of w	zard	S.		

On **Step 1** enter the **Transaction Name** you want to assign to this WebInject test. You will also need to provide the **Primary URL** for this website. Click Next.

Web Information	
Monitoring a synthenti of data. Transaction lo	c web transaction is a process which may involve several steps, including the submission and processing gic is handled using WebInject, so you must be familiar with its syntax before monitoring a transaction.
Transaction Name:	Nagios Exchange Search - box293
	The name you'd like to have associated with this synthetic transaction test.
Primary URL:	https://exchange.nagios.org/
	The primary URL that this transaction is associated with.

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On **Step 2** you will need to make sure the Host Name and IP Address fields are correctly populated.

You will then need to provide the Test Case Data that will be used for this transaction. The text field will be already be populated with the first **case** of **id 1**.

In the screenshot to the right you can see an additional case of **id 2** has been added. The full text is included on the following page.

The magic being performed here is: url = This is the URL that is being used for this test case.

postbody = These are the fields / commands that are posted to the url. This varies depending on your actual

website. In this example it is searching for the word **box293**.

verifypositive = This is what needs to exist in the data returned, in this example the word **box293** must exist for this case to be completed successfully.

You can also specify the timeout periods that apply.

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Configuration Wizard: Web Transaction - Step 2 🔅 😵

imary URL:	https://exchange.nagios.org/					
	The primary URL that this transaction is associated with.					
st Name:	exchange.nagios.org					
	The name you'd like to have associated with the primary URL.					
Address:	66.228.58.94					
	The IP address associated with the primary URL's fully qualified domain name (FQDN).					
ansaction	Details					
cify the det	tails of how the transaction should be monitored.					
ansaction me:	Nagios Exchange Search - box293					
	The name you'd like to have associated with this synthetic transaction test.					
st Case	Transaction test case data must be formatted according to WebInject standards.					
ita:	Read the webinject test case documentation for more information on creating test case data.					
	<testcases repeat="1"></testcases>					
	<case< th=""><th></th></case<>					
	<case id="1" url="https://exchange.nagios.org/"</case 					
	<case id="1" url="https://exchange.nagios.org/" /></case 					
	<case id="1" url="https://exchange.nagios.org/" /> <case< td=""><td></td></case<></case 					
	<case id="1" url="https://exchange.nagios.org/" /> <case id="2" method="post"</case </case 					
	<case id="1" url="https://exchange.nagios.org/" /> <case id="2" method="post" url="https://exchange.nagios.org/index.php"</case </case 					
	<case id="1" url="https://exchange.nagios.org/" /> <case id="2" method="post" url="https://exchange.nagios.org/index.php" postbody="option=com_mtree&task=search&searchword=box293" verifypositive="box293"</case </case 					
	<case id="1" url="https://exchange.nagios.org/" /> <case id="2" method="post" url="https://exchange.nagios.org/index.php" postbody="option=com_mtree&task=search&searchword=box293" verifypositive="box293" /></case </case 					
	<case id="1" url="https://exchange.nagios.org/" /> <case id="2" method="post" url="https://exchange.nagios.org/index.php" postbody="option=com_mtree&task=search&searchword=box293" verifypositive="box293" /> </case </case 					
	<case id="1" url="https://exchange.nagios.org/" /> <case id="2" method="post" url="https://exchange.nagios.org/index.php" postbody="option=com_mtree&task=search&searchword=box293" verifypositive="box293" /> </case </case 					
meout:	<case id="1" url="https://exchange.nagios.org/" /> <case id="2" method="post" url="https://exchange.nagios.org/index.php" postbody="option-com_mtree&task=search&searchword=box293" verifypositive="box293" /> 10 seconds</case </case 					
meout:	<case id="1" url="https://exchange.nagios.org/" /> <case id="2" method="post" url="https://exchange.nagios.org/index.php" postbody="option=com_mtree&task=search&searchword=box293" verifypositive="box293" /> 10 seconds The response timeout for each test case.</case </case 					
meout: obal	<case id="1" url="https://exchange.nagios.org/" /> <case id="2" method="post" url="https://exchange.nagios.org/index.php" postbody="option=com_mtree&task=search&searchword=box293" verifypositive="box293" /> 10 seconds The response timeout for each test case. 30 seconds</case </case 					
meout: obal meout:	<case id="1" url="https://exchange.nagios.org/" /> <case id="2" method="post" url="https://exchange.nagios.org/index.php" postbody="option=com_mtree&task=search&searchword=box293" verifypositive="box293" /> 10 seconds The response timeout for each test case. 30 seconds A global timeout for running all tests. A warning message will be returned if total execution time exceeds this value.</case </case 					

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Once you've finished making your selections click Next and then complete the wizard by choosing the required options in Step 3 – Step 5. To finish up, click on **Finish** in the final step of the wizard. This will create the new hosts and services and begin monitoring.

Once the wizard applies the configuration, click the **View status details for the Nagios Exchange** link to see the new host and services that were created.

↓ Host	1 Service	🏮 Status	Duration	1 Attempt	🏮 Last Check	\$\$ Status Information
exchange.nagios.org 🔊 🗋 🖋	Nagios Exchange Search - box293 👩 🚧	Ok	1m 10s	1/5	2016-12-08 14:50:51	WebInject OK - All tests passed successfully in 11.837 seconds

Here is the test case data shown on the screenshot on step 2 of the wizard.

```
<testcases repeat="1">
</case
id="1"
url="https://exchange.nagios.org/"
/>
</case
id="2"
method="post"
url="https://exchange.nagios.org/index.php"
postbody="option=com_mtree&task=search&searchword=box293"
verifypositive="box293"
/>
```

</testcases>

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Troubleshooting WebInject Transactions

If for some reason the transaction did not work correctly, you will need to go and adjust the test case data in the configuration file that was created by the wizard. You may also want to run the transaction at the command line to see exactly what is happening. All transaction configuration files are located in the following directory on the Nagios XI server:

/usr/local/nagiosxi/etc/components/webinject/

In the wizard that was just run, two files were created:

exchange_nagios_org_Nagios_Exchange_Search___box293_config.xml
exchange nagios org Nagios Exchange Search box293 testdata.xml

The file that ends in _testdata.xml is what contains the test case data, it's exactly as you pasted it into the configuration wizard. The file that ends in _config.xml is what tells WebInject how to run the test data.

To demonstrate that the test case data is actually working, I will change the postbody = line to search for the word "box294", which should return a critical result as there is nothing on the Nagios Exchange contaminating the word "box294".

Once I've made the change I'll run the test from the command line using the following commands:

```
cd /usr/local/nagiosxi/etc/components/webinject/
./webinject.pl -c exchange_nagios_org__Nagios_Exchange_Search___box293_config.xml
```

You should receive the following output:

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WebInject CRITICAL - Test case number 2 failed |time=10.126;30;;0

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Page 9 / 13 Updated – February, 2022

If you wanted more verbose output, you need to edit the _config.xml file and change the reporttype to standard:

<reporttype>standard</reporttype>

Now when you run the command above the output will be something like:

```
Starting WebInject Engine ...
 _____
Test: exchange nagios org Nagios Exchange Search box293 testdata.xml - 1
Passed HTTP Response Code Verification (not in error range)
TEST CASE PASSED
Response Time = 3.482 sec
_____
Test: exchange nagios org Nagios Exchange Search box293 testdata.xml - 2
Verify : "box293"
Failed Positive Verification
Passed HTTP Response Code Verification (not in error range)
TEST CASE FAILED
Response Time = 3.337 sec
Start Time: Thu Dec 8 17:09:14 2016
Total Run Time: 6.862 seconds
Test Cases Run: 2
Test Cases Passed: 1
Test Cases Failed: 1
Verifications Passed: 2
Verifications Failed: 1
```

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When you've finished troubleshooting don't forget to change the report type back to nagios:

<reporttype>nagios</reporttype>

Example: Using An Online Store

This example provides an more comprehensive demonstration of how WebInject could use on online store and put an item in a shopping cart via the O'Reilly Media's web site. It's worth noting that this example was created some time in the past and may not actually work now due to the fact that the website may have been updated by now, however the concept is still the same and worth retaining in the documentation.

- Step 1 confirms that the login page loads
- Step 2 provides your authentication credentials and then checks that they were accepted, and follows the redirect to the members page in step 3
- Step 4 checks the price on "Nagios, Second Edition (by Wolfgang Barth)"
- Step 5 adds it to your shopping cart
- Step 6 confirming it remains in your cart properly after that and appears to be in stock
- Finally, the last two steps log you out and check that the home page loads

By carefully crafting the different steps and plenty of sufficiently specific verifypositive and verifynegative parameters, a great deal of information can be confirmed through this single Nagios service.

```
<testcases repeat="1">
<testvar varname="USER">1rc94d+86yw3m9jrqj18@sharklasers.com</testvar>
<testvar varname="PASS">holden123</testvar>
```

<case

```
id="1"
description1="Login page"
```

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```
url="https://members.oreilly.com/account/login"
parseresponse='_authentication_token" type="hidden" value="|"|escape'
verifypositive="Sign in"
```

/>

```
<case
```

```
id="2"
description1="Sign in"
url="https://members.oreilly.com/account/login"
method="post"
postbody="email=${USER}&password=${PASS}&_authentication_token={PARSEDRESULT}"
verifypositive="https://members.oreilly.com/account/benefits"
parseresponse="found at |;"
```

/>

```
<case
```

```
id="3"
description1="Members page"
url="{PARSEDRESULT}"
verifypositive="view or edit your account information"
```

/>

<case

```
id="4"
description1="Book price"
url="http://oreilly.com/catalog/9781593271794/"
verifypositive="59.95"
```

/>

<case

```
id="5"
description1="Book added to cart"
url="https://epoch.oreilly.com/shop/cart.orm?prod=9781593271794.BOOK"
verifypositive="Nagios, 2Ed"
```

/>

<case

id="6"

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```
Nagios XI
                     Monitoring Websites With Nagios XI
        description1="Book still in cart"
        url="https://epoch.oreilly.com/shop/cart.orm"
        verifypositive="Nagios, 2Ed"
        verifynegative="Backorder"
   />
   <case
        id="7"
        description1="Logout"
        url="https://members.oreilly.com/account/logout"
        verifypositive="http://oreilly.com/"
        parseresponse="found at |;"
   />
   <case
        id="8"
        description1="Main page"
        url="{PARSEDRESULT}"
        verifypositive="News & Commentary"
   />
</testcases>
```

Finishing Up

This completes the documentation on the different ways to monitor websites with Nagios XI.

If you have additional questions or other support related questions, please visit us at our Nagios Support Forums:

https://support.nagios.com/forum

The Nagios Support Knowledgebase is also a great support resource:

https://support.nagios.com/kb

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Page 13 / 13 Updated – February, 2022