

Optional Data Collection

Information:

Environment

- Dynatrace Portal
- Dynatrace Classic Portal
- Synthetic Monitoring - Private Last Mile
- Synthetic Monitoring - Last Mile

Symptoms

I want to be able to see the DNS server used as well as the Request and Response Header Capture for my Last Mile/Private Last Mile Tests. How do I configure that?

or

I already provisioned my Last Mile/Private Last Mile tests to capture the DNS server used as well as the Request and Response Header Capture. However, I am unable to view the data captured via the Optional Data Collection in the Dynatrace Portal. I can only see it in the Dynatrace Classic Portal.

Solution

In the Dynatrace Portal, you cannot select **Request/Response Header Capture** and/or **DNS Server Used** when you first provision the test. After creating the test, you can edit it to select these options:

1. Open the test into the editing screen. See [Editing Tests](#) for details.
2. Select the **Advanced Settings** tab.
3. In the **Optional Data Collection** section, select **Request/Response Header Capture** and/or **DNS Server Used**.
4. Click **Update and Finish** to save the change.

Although you have the option of choosing Optional Data Collection when provisioning Last Mile/Private Last Miles tests in either the Dynatrace Classic Portal or the Dynatrace Portal, the data collected from the **Optional Data Collection** settings is currently only displayed in the Classic Portal. It is not available in the Dynatrace Portal.

In the Dynatrace Classic Portal, select the Optional Data Collection options when you provision the test.

Add Last Mile Tests

Test Type
and Agent

Single Page - Firefox Agent

URL

http://www.gomez.com

Test Name

Page Objects

- all page objects
 no page objects

Optional Data Collection

- Request / Response Header Capture
 DNS Server Used

Once the test has run and the data has been collected, you can view the data in the Dynatrace Classic Portal:

- **Request/Response Header Capture** – Clicking an object link in the waterfall.
- **DNS server used** – Click the machine ID.

Gomez Last Mile Charting: Waterfall - Google Chrome

Object Response Time Data
Transaction Response Time: 4.602
Total Bytes: 1850584

Object Name	Type	#	Return Code	Total Size (KB)	SSL	Connection	Secure Sockets Layer	Lat	Content Length	Number of Bytes
Connection 1	Connection	1	200	4.274	0.177	0.077	N/A	8.042	1.967	7.449
Connection 2	Connection	1	200	0.174	0.174	0.077	N/A	2.562	1.000	3.173
Connection 3	Connection	1	200	3.538	0.176	0.007	N/A	5.662	3.015	7.447
Connection 4	Connection	1	200	0.346	0.462	0.030	N/A	3.315	1.375	4.341
Connection 5	Connection	1	200	0.009	0.105	0.034	N/A	4.143	2.125	5.232
Connection 6	Connection	1	200	0.256	0.158	0.071	N/A	2.746	0.985	3.337
Connection 7	Connection	1	200	0.086	0.019	0.000	0.001	0.000	0.001	0.001
Connection 8	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 9	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 10	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 11	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 12	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 13	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 14	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 15	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 16	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 17	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 18	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 19	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 20	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 21	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 22	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 23	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 24	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 25	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 26	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 27	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 28	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 29	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001
Connection 30	Connection	1	200	0.268	0.029	0.000	0.000	0.000	0.001	0.001

Gomez Last Mile Charting: Object Header Details - Google Chrome

Object: test/html/application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8

HTTP Request Header

```

Accept-Language: en-us,en;q=0.5
Host: www.gomeznetworks.com
Accept-Encoding: gzip, deflate
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:13.0; GomezAgent 3.0) Gecko/2010101 Firefox/13.0.1
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Connection: keep-alive
Referer: http://www.gomeznetworks.com/
Cookie: 785550428
X-WR-Debug: modes
  
```

HTTP Response Header

```

Vary: Accept-Encoding
Date: Tue, 30 Apr 2013 16:06:13 GMT
Content-Length: 14583
Content-Encoding: gzip
Content-Type: text/html; charset=ISO-8859-1
Server: GCD/0004000
Cache-Control: max-age=43200
Expires: Wed, 01 May 2013 04:06:13 GMT
  
```

End-to-End

Sort by: Relative Test Time | Group by: Test | Show Cumulative Object Component Times

Data Summary

Test Name	Destination IP	Taken At	DNS Lookup	Initial Connection	SSL Encryption	1st Byte	Content Download Time	Response Time	# of Total Bytes	Machine
4077111	64.20.34.50	30 Apr 2013 16:06:13.372	0.209	0.273	N/A	8.042	1.967	7.449	60	1850575 2079.587
4075380	64.20.34.50	30 Apr 2013 16:06:13.372	0.136	0.088	N/A	2.562	1.000	3.173	60	1850563 12131.970
4277552	64.20.34.50	30 Apr 2013 16:06:13.372	0.176	0.007	N/A	5.662	3.015	7.447	60	1850574 5307.280
4092443	64.20.34.50	30 Apr 2013 16:06:13.372	0.462	0.030	N/A	3.315	1.375	4.341	60	1850568 3191.624
421237	64.20.34.50	30 Apr 2013 16:06:13.372	0.105	0.034	N/A	4.143	2.125	5.232	60	1850582 1597.200
4079260	64.20.34.50	30 Apr 2013 16:06:13.372	0.158	0.071	N/A	2.746	0.985	3.337	60	1850568 10232.360

Gomez Last Mile Charting: Agent Details - Google Chrome

Machine ID: 4077111

Country: UNITED STATES

Region: New Jersey

Network Connection Type: MaxMind: Corporate

Browser Agent Support: UTA; Firefox

Available Bandwidth Range: Broadband G8 (>3072kbps)

CPU: QEMU Virtual CPU version 0.9.1

Operating System: Windows Server 2008

ISP: InterServer

IPv4 address: 173.214.169.172

UTA Version: 3.1.3

IP Capability: IPv4/IPv6 Mixed

IPv6 Address: 2002::add6:e9ec::0000:0000::add6:e9ec

Used DNS Servers: 64.20.34.50

Overview

- Internet Health Map
- Interactive Charts
- Reports
- Test Management
 - Tests
 - Configuration Summary
 - Measurement Locations
 - Alerts
- Account Management
- My Dashboards
- Support

Tests: Configuration Summary

Edit a Last Mile Test

Basic Settings | Advanced Settings

Required Fields*

Script*

Transaction Steps

Step	Step Name
1	Exterior
2	Interior
3	Options
4	Summary

Parameters: Defaults

There is no default parameter value

Optional Data Collection

- Request/Response Header Capture
- DNS Server Used

Http Version

1.1

Additional HTTP Headers

Header Name	Value
x-wr-debug	modes

Maintenance Windows

Recurring Maintenance Windows

Add Window

One-Time Maintenance Windows

Add Window