

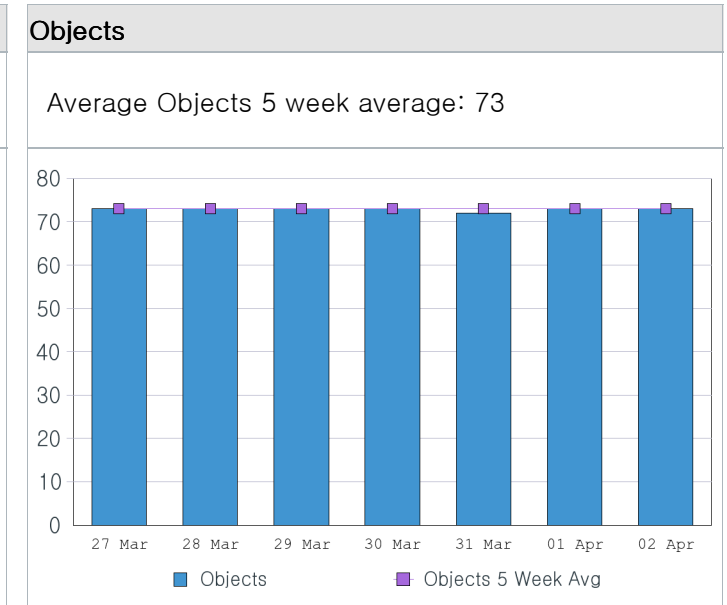
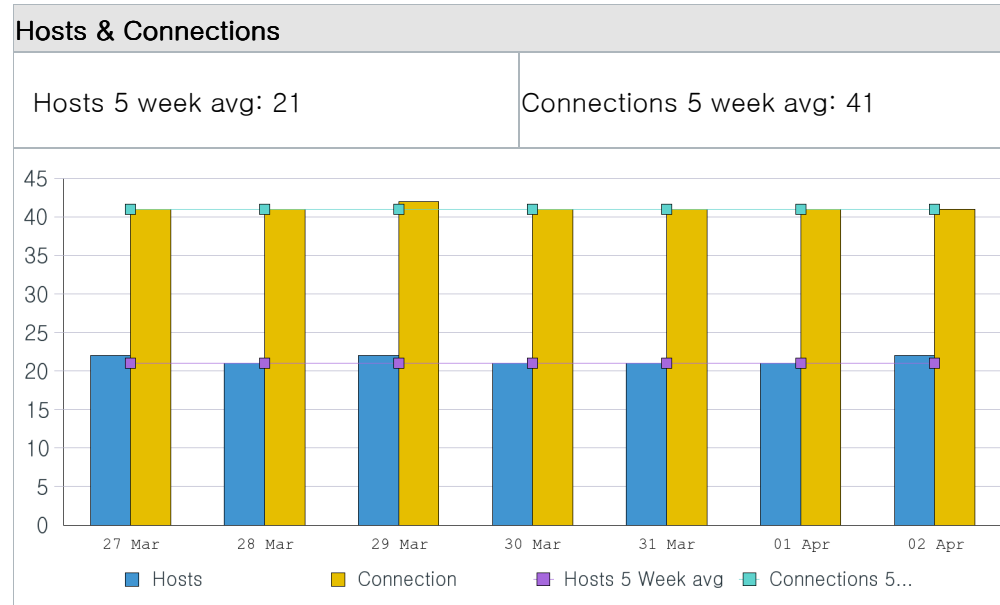
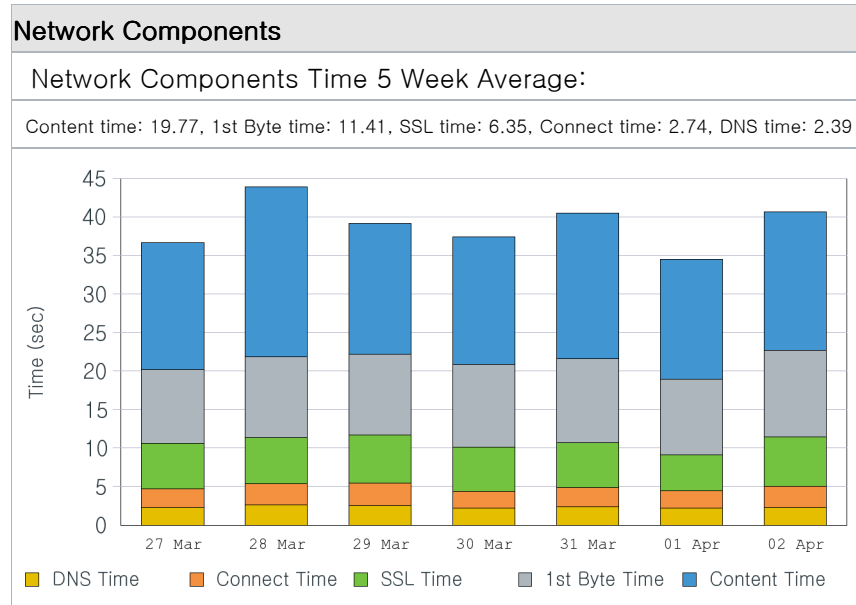
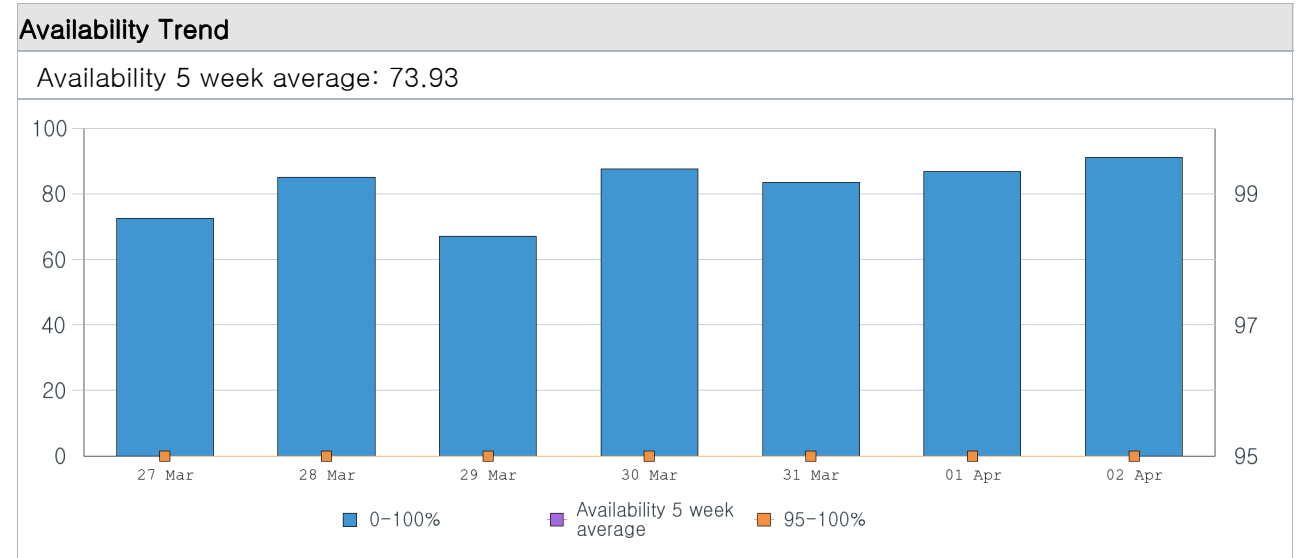
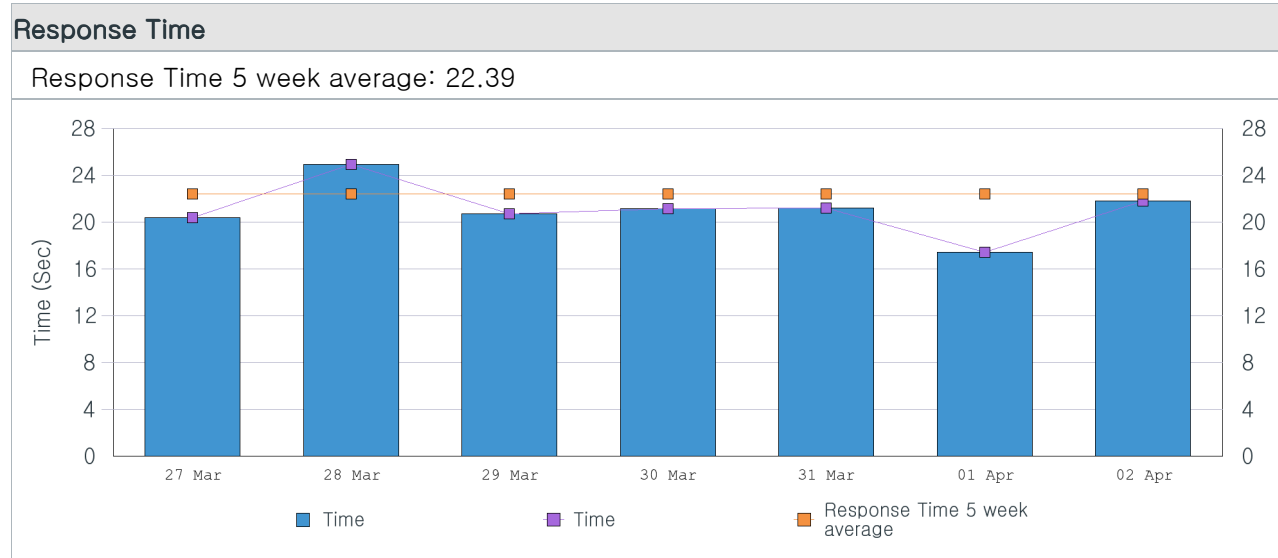
Prepared for: QA – Test Power End User1
 Refresh Date: APR 03 2015 10:22 AM
 Time Period: Feb 27 2015 12:00 AM To Apr 03 2015 12:00 AM (GMT –05:00) Eastern Time (US & Canada); Bogota
 Selected Test: www.healthcare.gov login page – 13–Feb–2014 23:25:21 – 2 – Chrome Agent
 Test Type: Backbone
 Test Steps: 2

Summary – 02 April 2015

	Response Time (sec.)			Availability (%)		
	02 Apr	7–day Comparison	5 –Week Comparison	02 Apr	7–day Comparison	5 –Week Comparison
www.healthcare.gov login page – 13–Feb–2014 23:25:21 – 2 – Chrome Agent	21.813	+ 3.54 %	-2.56 %	91.18	+ 11.99 %	+ 23.32 %
Step:1 Home Page	14.921	+ 3.15 %	-1.76 %	92.65	+ 5.67 %	+ 12.82 %
Step:1 Unknown	0.000	-100 %	-100 %	100	No Change	+ 14.29 %
Step:2 Login Page	6.799	+ 3.86 %	-5.26 %	98.41	+ 5.98 %	+ 9.25 %

Red numbers indicates decline from the previous average, Green numbers indicate improvement from previous average

Past Week Trend Compared with 5-Week Average



Performance Trend

		Last Run	Previous days						7 day Avg.	Previous Weeks				5 week Avg.
		02 Apr	27 Mar	28 Mar	29 Mar	30 Mar	31 Mar	01 Apr	27 Mar to 02 Apr	20 Mar to 26 Mar	13 Mar to 19 Mar	06 Mar to 12 Mar	27 Feb to 05 Mar	27 Feb to 02 Apr
www.healthcare.gov login page – 13–Feb–2014 23:25:21 – 2 – Chrome Agent	Response Time (sec.)	21.813	14.777	21.189	13.900	18.537	17.724	15.115	21.067	23.661	23.113	21.617	20.209	22.386
	Availability (%)	91.18	72.62	85.07	67.11	87.69	83.58	86.76	81.41	59.36	77.52	84.57	71.59	73.93
Step:1 Home Page	Response Time (sec.)	14.921	14.405	16.664	14.861	8.447	6.924	12.130	7.701	7.685	8.084	14.858	14.737	7.849
	Availability (%)	92.65	72.62	97.01	92.11	93.85	94.03	86.76	93.84	67.81	93.8	86.35	89.77	84.81
Step:1 Unknown	Response Time (sec.)	0.000	5.928	7.698	5.710	6.966	7.448	5.271	6.547	8.234	7.320	6.699	5.597	7.177
	Availability (%)	100	100	87.69	72.86	100	94.92	100	92.86	86.31	88.49	97.94	79.75	90.08
Step:2 Login Page	Response Time (sec.)	6.799												
	Availability (%)	98.41												

Red numbers indicates decline from the 5 week average, Green numbers indicate improvement from 5 week average

Network Components Trend

		Last Run	Previous days						7 day Avg.	Previous Weeks				5 week Avg.
		02 Apr	27 Mar	28 Mar	29 Mar	30 Mar	31 Mar	01 Apr	27 Mar to 02 Apr	20 Mar to 26 Mar	13 Mar to 19 Mar	06 Mar to 12 Mar	27 Feb to 05 Mar	27 Feb to 02 Apr
www.healthcare.gov login page – 13-Feb-2014 23:25:21 – 2 – Chrome Agent	DNS Time (sec)	2.309	2.269	2.660	2.506	2.174	2.411	2.237	2.362	2.385	2.478	2.150	2.942	2.390
	Connect Time (sec)	2.749	2.398	2.735	2.913	2.239	2.426	2.215	2.519	2.717	2.835	2.845	2.966	2.738
	SSL time (sec)	6.355	5.970	5.949	6.262	5.679	5.878	4.702	5.824	6.206	6.633	6.670	6.619	6.345
	1st Byte Time (sec)	11.235	9.532	10.515	10.491	10.780	10.912	9.789	10.460	11.620	11.800	11.680	11.615	11.409
	Content Time (sec)	18.002	16.526	22.012	17.014	16.544	18.871	15.580	17.781	20.189	21.144	19.132	21.102	19.772
Step:1 Home Page	DNS Time (sec)	2.234	2.200	2.527	2.430	1.041	1.125	2.174	1.139	1.090	1.194	2.069	3.034	1.145
	Connect Time (sec)	2.435	2.193	2.446	2.706	0.966	1.121	2.116	1.155	1.291	1.319	2.671	2.837	1.281
	SSL time (sec)	5.827	5.650	5.361	6.046	2.508	2.555	4.492	2.691	2.756	3.080	6.264	6.380	2.924
	1st Byte Time (sec)	5.234	4.822	5.090	5.615	3.727	2.607	4.783	3.005	2.538	3.025	5.642	6.036	2.954
	Content Time (sec)	10.583	9.597	11.166	9.891	4.568	5.414	9.088	5.030	5.132	5.772	11.241	12.338	5.437
Step:1 Unknown	DNS Time (sec)	0.000	0.068	0.074	0.036	0.093	0.166	0.063	0.084	0.152	0.113	0.068	0.014	0.104
	Connect Time (sec)	0.000	0.205	0.284	0.124	0.307	0.215	0.098	0.222	0.290	0.211	0.155	0.072	0.217

		Last Run							7 day Avg.	Previous Weeks				5 week Avg.
		02 Apr	27 Mar	28 Mar	29 Mar	30 Mar	31 Mar	01 Apr	27 Mar to 02 Apr	20 Mar to 26 Mar	13 Mar to 19 Mar	06 Mar to 12 Mar	27 Feb to 05 Mar	27 Feb to 02 Apr
	SSL time (sec)	0.000	0.320	0.454	0.193	0.664	0.779	0.209	0.445	0.571	0.440	0.366	0.180	0.450
	1st Byte Time (sec)	0.000	4.710	5.349	4.909	6.135	5.749	5.006	5.410	6.474	6.178	6.005	5.601	6.012
	Content Time (sec)	0.000	6.929	9.977	6.756	7.409	8.185	6.492	7.591	9.720	9.383	7.828	8.906	8.750
Step:2 Login Page	DNS Time (sec)	0.084												
	Connect Time (sec)	0.309												
	SSL time (sec)	0.491												
	1st Byte Time (sec)	5.981												
	Content Time (sec)	7.410												

Page Composition Trend

		Last Run	Previous days						7 day Avg.	Previous Weeks				5 week Avg.
		02 Apr	27 Mar	28 Mar	29 Mar	30 Mar	31 Mar	01 Apr	27 Mar to 02 Apr	20 Mar to 26 Mar	13 Mar to 19 Mar	06 Mar to 12 Mar	27 Feb to 05 Mar	27 Feb to 02 Apr
www.healthcare.gov login page – 13-Feb-2014 23:25:21 – 2 – Chrome Agent	Average Hosts	22	22	21	22	21	21	21	21	21	21	21	21	21
	Average Connections	41	41	41	42	41	41	41	41	41	41	41	41	41
	Average KB	1542.71	1547.08	1549.11	1527.94	1541.20	1536.02	1549.13	1541.88	1544.93	1547.45	1550.98	1551.22	1546.35
	Average Objects	73	73	73	73	73	72	73	73	73	73	73	73	73
	Failing Objects	1	1	1	0	0	0	1	0	0	0	0	1	0
Step:1 Home Page	Average Hosts	14	14	14	14	7	7	14	7.5	7	7.5	14	14	7.5
	Average Connections	25	25	25	26	13	12.5	25	13	12.5	13	25	26	13
	Average KB	903.90	905.99	899.30	899.15	444.30	438.27	907.85	448.77	441.45	450.31	906.00	912.35	448.47
	Average Objects	40	34	41	41	20.5	20	41	20	17.5	20.5	40	42	19.5
	Failing Objects	0	0	0	0	0	0	1	0	0	0	0	1	0
Step:1 Unknown	Average Hosts	1	7	7	7	7	7	7	7	7	7	7	7	7
	Average Connections	1	15	16	15	16	16	15	16	16	16	15	15	16

		Last Run							7 day Avg.	Previous Weeks				5 week Avg.
		02 Apr	27 Mar	28 Mar	29 Mar	30 Mar	31 Mar	01 Apr	27 Mar to 02 Apr	20 Mar to 26 Mar	13 Mar to 19 Mar	06 Mar to 12 Mar	27 Feb to 05 Mar	27 Feb to 02 Apr
	Average KB	0.00	641.09	649.25	630.01	652.59	660.74	641.28	644.91	649.94	644.82	641.45	637.14	645.17
	Average Objects	1	32	31	28	33	32	32	31	30	31	32	29	31
	Failing Objects	0	0	0	0	0	0	0	0	0	0	0	0	0
Step:2 Login Page	Average Hosts	7												
	Average Connections	16												
	Average KB	639.03												
	Average Objects	32												
	Failing Objects	0												

NOTES & DEFINITIONS

AVAILABILITY (STEP):

The percentage of steps conducted during a specific period of time that completed successfully. Calculated as: $(\text{Number of Successful Steps}) / (\text{Number of Successful Steps} + \text{Number of Failed Steps})$. This is also called Step Success Rate.

AVAILABILITY (TEST):

The percentage of tests conducted during a specific period of time that completed successfully. Calculated as: $(\text{Number of Successful Tests}) / (\text{Number of Successful Tests} + \text{Number of Failed Tests})$. This is also called Test Success Rate.

CONNECT TIME:

A network component, the time (in seconds) that it takes to connect to a Web server across a network. This provides an excellent measure of the network round-trip delay due to network traffic.

CONNECTIONS:

The number of TCP links between the IP address received by the DNS lookup and the hosts. Typically, each host can have multiple connections.

CONTENT TIME:

A network component, the time (in seconds) required to receive the content of a page or page component starting with the receipt of the first content and ending with the last packet received.

DNS TIME:

A network component, the time (in seconds) it takes to translate the host name into the IP address – often an outsourced service. DNS response times that are consistently longer than two seconds typically indicate that one of the DNS servers is not responding.

FAILED OBJECTS:

An object download fails when the agent was unable to download the specified objects due to one of the following: the agent connected to the server that the object allegedly resides on but was unable to download it; the agent could not find the server because the DNS lookup failed; the agent could not connect to the server for some reason. Failed objects do not necessarily fail a test.

FIRST (1st) BYTE TIME:

A network component, the time it takes to receive the first byte of the page HTML, graphic object or other web component after the TCP connection is completed. Overloaded web servers often have a long first byte time.

HOST:

Unique number of Web server hosting content accessed by the tested web page. Host metrics can combine data from multiple host IP addresses.

KB:

Total number of kilobytes (kibibytes) downloaded from the initial request until the last connection closes, calculated as $(\text{Bytes Downloaded} / 1024)$. The metric in this report is the (arithmetic) average per test across all test runs.

NETWORK COMPONENT METRICS:

Metrics that provide visibility into how the network time is spent in order to provide more information about the nature of time needed to download a web page. Times for each component are calculated in the following manner: every individual test execution sums the total time for a particular component within that test execution, inclusive of all objects and connections. An average of those sums is then charted over the time breakdown requested. Network Components include DNS Time, Connect Time, SSL Time, First Byte Time (1st Byte Time), and Content Time.

OBJECTS:

An object is a single downloaded file such as HTML, a GIF image, a Java application, or a Shockwave file or response status code header. This is Total Objects, and is comprised of Successful objects (response codes 200–298), Failed objects (response codes 400 to 20099) and objects that were partially downloaded but the test initiated the next navigation before the download was complete (response code 299). In this report the metric is the (arithmetic) average of the count in successful test runs during the time period.

PAGE COMPOSITION METRICS:

A set of metrics that indicate the complexity of a given web page. These include Hosts, Connections, Objects, and KB downloaded.

RESPONSE TIME:

For full-object tests, and for Firefox and Chrome no-object tests – The time, as measured in seconds, from when a user clicks on a link to the time when the last content is downloaded. This includes the time to collect all objects on all steps of the test, including 3rd party content from off-site servers, graphics, frames, and redirection.

For Internet Explorer and UTA no-object tests – the time, as measured in seconds, from when a user clicks on the link to the time when the root object is downloaded.

RESPONSE TIME AVERAGE:

The arithmetic mean for all successful tests or steps in the selected time period.

SSL TIME:

A network component, the time (in seconds) it takes a client to send a request to connect to the server, the server to send the signed certificate, and the client to make a handshake with the server. When the machines that provide SSL termination at your website are overloaded, SSL times will increase.

TEST TYPE:

Indicator of the kind of testing location. Options are Backbone or Mobile nodes, and Last Mile or Private Last Mile peers.