Date: Trace:	May 2, 2015 3:45:05 PM FS_LTE_GamePlay		AT&T Application Resource Optimizer
Application(s) Name: Version: Unknown App			
Data Collector Version:	1.0.0.1		
Device Make/Model:	HTC / HTC One		
OS/Platform Version:	5.0.2		
Network Type(s):	LTE		
Profile:	AT&T LTE		
SUMMARY			
TESTSTATISTICS			
HTTPS data not analyzed Duration:	(82.31% (373.64 KB) 6.2 minutes		
Total Data Transferred:			
	506.7 J (Energy)		
Trace Score			
Causes:	343 (out of 500)		
Effects:	315 (out of 500)		
Total:	658 (out of 1000)		
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TESTSCONDUCTED			
	File Download: Text File Compression	8	Connections: Inefficient Connections - Connection Closing Problems
•	File Download: Duplicate Content	•	Connections: Inefficient Connections - Offloading to WIFI when Possible
0	File Download: Cache Control	②	Connections: 400, 500 HTTP Status Response Codes
②	File Download: Content Expiration	②	Connections: 301, 302 HTTP Status Response Codes
②	File Download: Content Pre-fetching	②	Connections: 3rd Party Scripts
②	File Download: Combine JS and CSS Requests	②	HTML: Asynchronous Load of JavaScript in HTML
0	File Download: Resize Images for Mobile	②	HTML: HTTP 1.0 Usage
②	File Download: Minify CSS, JS, JSON and HTML	②	HTML: File Oxfor
O	File Download: Use CSS Sprites for Images		HTML: Empty Source and Link Attributes
0	Connections: Connection Opening	②	HTML: FLASH
8	Connections: Unnecessary Connections - Multiple Simultaneous Connections	②	HTML: "displaymone" in CSS
©	Connections: Inefficient Connections - Periodic Transfers	②	Other: Accessing Peripheral Applications
o	Connections: Inefficient Connections - Screen Rotation		
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Test: Resize Images for Mobile

About: Images that are not correctly stated for mobile can cause extreme delays in rendering. Before delivering content to a mobile, resize it to fit the available area. Learn more...

Test: Minity CSS, JS, JSDN and HTML

About: Many test files contain excess whitespace to after for better human coding. Run these files through a minifer to remove the whitespace in order to reduce file size: Lazar.mone...

Test: Use CSS Systes for Images
About: Small images can be combined into Systes, and then rendered with CSS. This will reduce the number of HETP requests and speed the loading of your app. Learn more...

Results: Your trace passes. There are no image files that are 110% larger than the area specified for them.

Results: Your trace passes.

AT&T Application Resource Optimizer O Test: About: Connection Opening
This test helps ensure connections are opened properly. Some connection startups consists of an input burst, followed by a series of bursts spread out over time which can chamatically slow down the application's response time and waste energy on the device. This is a set first. Learn mode... tion: If you see many application-initiated bursts, consider a transaction manager to group these more closely together. Self Evalu Unnecessary Connections - Multiple Binutizenous Connections
This surf measures burin but could be more lightly speed. Spring all of your data connections can help reduce the amount of time your application is on the nations, reducing the buttery death. That will also make your content appear to but former by to over "Learn more." O Test: About: Results: 4 sets of <u>bursts</u> that could be more tightly grouped. Test:
About: Results: No periodic transfers were detected in this trace. It may be worthwhile to look for connections that happened regularly, but are not at exact intervals. This can cause excessive battery drain. Indifficient Connections - Severe Relation
This last trads scoren relation is seen if the age is pringing the server on orientation changes, or adultally completely retransent content. If you see this in your trace - consider a new layout for existing content (pather than re-developed) or sending the certainty compress later as a part of all Suppress data transmissions. Learn more. Test:
About: Either no screen rotations were noted or the screen rotations did not trigger network activity. Inefficient Connections - Connection Closing Problems
This last chacks that connections are closed promptly. If not effectively closed with the last data, the server finned can turn the radio on just to dose your connections, which wastes gover and bandwidth. Laser more... C Test: About: Results: AT&T ARO detected that 84.5 Joules (20.8% of the total energy) was used to control these connections. By closing connections promptly, you will reduce battery drain. Inefficient Cenections - Officialing to WiFI when Possible
This test is a check to see if you are transmitting large churks of data. When this occurs you may consider officialing to WiFI when appropriate. Learn more... Test: There were not many large bursts of data seen in this trace, and it passes this test. Test:
About: 400, 500 HTTP Status Response Codes
HTTP status response codes in the low range indicate a client request error, and Six codes indicate a server error. There should be zero such errors in your application. Learn more... No 4xx or 5xx HTTP status response codes were detected during the trace. Results: Test:
About: 301, 302 HTTP Status Response Codes
Redirects are an easy way to switch users to different versions of your data. However, redirects also add significant latercy to your application. Use with care. Learn more... No 301 or 302 HTTP status response codes were detected during the trace.

Test: 3de Puny Soriges
Connecting to 3de party content can create slowdowns in your app. If these external files fall to load, you can have a huge effect on the customer experience and load times. Consider loading these in an asynchroncal manner. <u>Learn more</u>

Your trace passes.

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Trace May 2. 2015 1 Action Prisi
Trace Application(s) Remar Variance Unknown App
Olas Codestor Variance Unknown App
Olas Codestor Variance 10.01
HID / HID Code
William Codes Manufactured 10.01
HID / HID Code
National Trapport)
LTE
Reducing the usage of deeds periphrasis and optimizing your HTTP connectivity can further reduce your application's battery consumption. AT&T Application Resource Optimizer Test: Asynchronous Load of JavaScript in HTML

About: JavaScript loading blooks parallel downloads, and files downloaded in the HEAD of your HTML will block the rendering of your HTML if you must load JavaScript in the HEAD load asynchronously. Learn more... Results: AT&T ARO discovered 0 HTML files loaded synchronously and it passes the test. Tast: HTTP 1.0 bags
About: This list is just review to make zure you are saing HTTP 1.1, which allows multiple items to be downbashed per connection, which is more efficient for your app. <u>Laser minor</u>. Results: AT&T ARO detected 0 HTTP 1.0 headers, and it passes this test. Test: File Order

About: In the HEAD of your HTMs, CSS files should always be loaded before JS files to ensure faster loading of your website. Learn more... Results: ARO discovered 0 HTML file where JS is loaded immediately before CSS. Test: Empty Source and Link Attributes

About: Many browsers still attempt to connect even if there is no urf. This can cause delays in loading your site. Learn more... Results: Your trace passes. Test: FLASH
About: Arboid and C/S pielforms do not support Flash, therefore your content is unmaddled to your users. Consider using an HTMLS video player instead. <u>Learn month</u>.

Tast: "daplayment" in CSS

Tast CSS are "daplayment" and built have diploted from being shown on a page. However, this does not provent the objects from being diserbladed to the mobile device. These exists objects (that are rever displayed to the sear), will store device only go be it seem date. LINES MINISTER.

Results: Your trace passes.

Results: ARO discovered 0 files with no CSS rule "display:none" and it passes the test.

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Tasse: Biol A 2015 LCGS PA)
Tasse: Discount Clariform (All Comments)
Application(s) Name: Version: Ulknown Application(s)
Tasse: Discount Clariform (All Comments)
Tasse: Discount Clariform (All Comments)
Tasse: Discount Clariform (All Comments)
Name on Tasse: Discount Clariform (All Comments)
Name of T AT&T Application Resource Optimizer

Test: Accessing Peripheral Applications

Annual Test but review accessing decide fundament applications like camerae, CPS, Blustoch, speakers and WFI, which can drain the barbory. That's not a problem if your app a utilizing those peripherals, but many appa access peripherals.

Resulte: Peripherals appear to be managed properly. Trices shows CPS was active for 0's of the time. Blustoch was active for 0's of the time.