

Setup for Badu's Customer Test Tool



Server Side

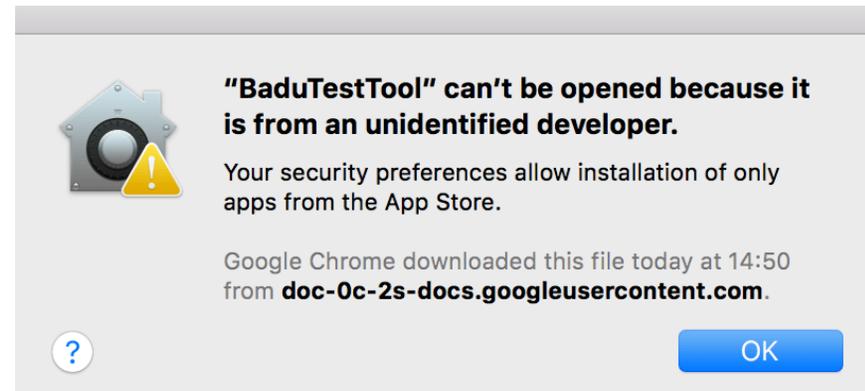
Pre-requisites:

- Linux server
- Copy binary file **BaduTestServer** to linux machine
- Run two instances of the binary on different ports:
 - `./BaduTestServer 9000 &`
 - `./BaduTestServer 9001 &`
- Make sure TCP ports 9000 and 9001 are open in the firewall

Client Side

Mac

Run the BaduTestTool application.



If you get a warning, try again. Only this time, hold down the Control key when clicking the icon. This should modify the dialog and give you an option to “Open” the application

Client Side

Mac

Once the application is launched, a popup window will appear with a port option. Leave the default port and click “Launch”. This will open a page in your browser and then you can run tests.

(jump to page 17 for screenshots)

Client Side

Windows

Inside the **redist** folder, you will need to install either `vcredist_x64.exe` or `vcredist_x86.exe` depending on your architecture.

Now you can run the `BaduTestTool.exe` application.

Screenshots on the following slides...

Visual Walkthrough of Badu's Customer Test Tool (Windows client)



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Computer
Local Disk (C:)
Shared Folders (\\vmw

Network

Name ^	Date modified	Type	Size
 badu-test-tool_windows	3/23/2017 10:00 AM	WinRAR ZIP archive	48,834 KB

Open

- Open with WinRAR
- Extract files...**
- Extract Here
- Extract to badu-test-tool_windows\
- Open with ▶
- Share with ▶
- Restore previous versions
- Send to ▶
- Cut
- Copy
- Create shortcut
- Delete
- Rename
- Properties

 badu-test-tool_windows Date modified: 3/23/2017 10:00 AM Date created: 3/23/2017 9:59 AM
WinRAR ZIP archive Size: 47.6 MB

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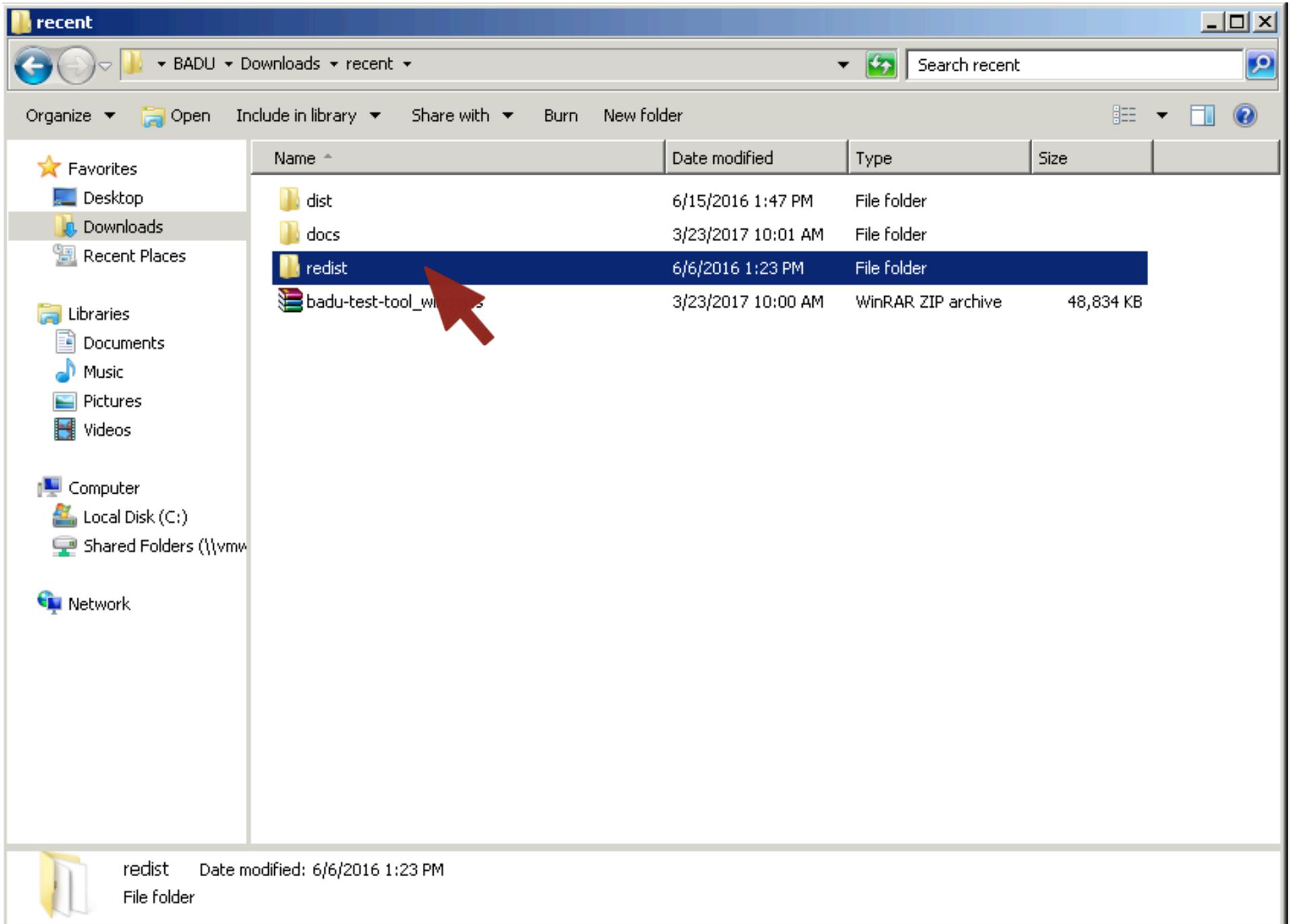
Libraries
Documents
Music
Pictures
Videos

Computer
Local Disk (C:)
Shared Folders (\\vmw

Network

Name ^	Date modified	Type	Size
dist	6/15/2016 1:47 PM	File folder	
docs	3/23/2017 10:01 AM	File folder	
redist	6/6/2016 1:23 PM	File folder	
badu-test-tool_wi...	3/23/2017 10:00 AM	WinRAR ZIP archive	48,834 KB

redist Date modified: 6/6/2016 1:23 PM
File folder



redist

← → ↻ 🔍 Search redist

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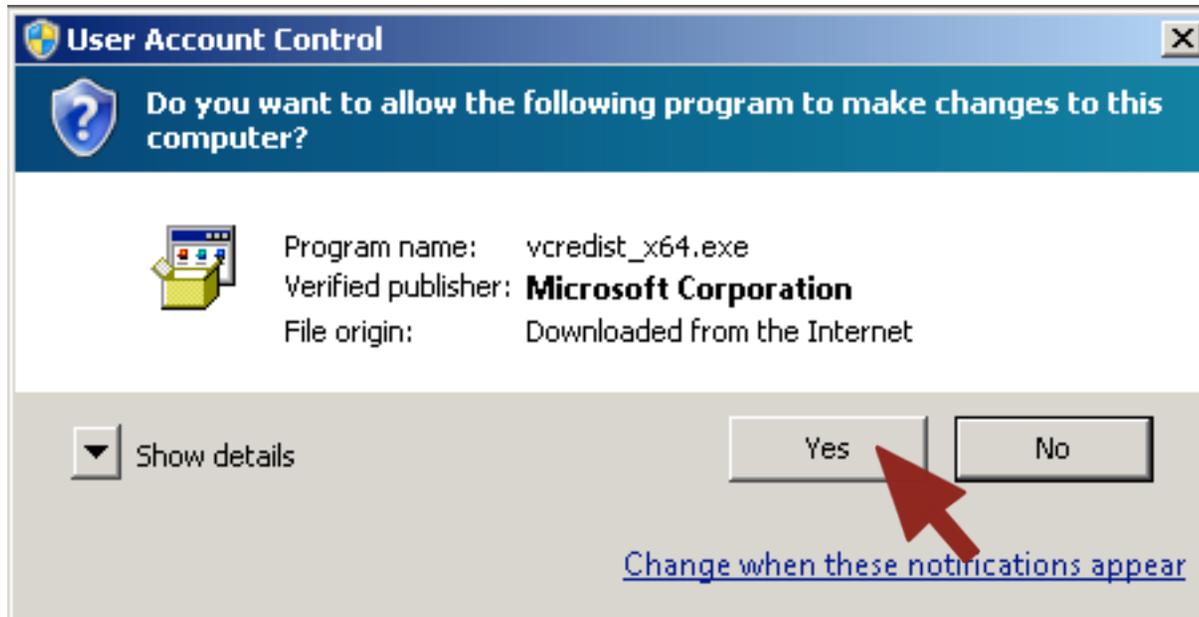
Computer

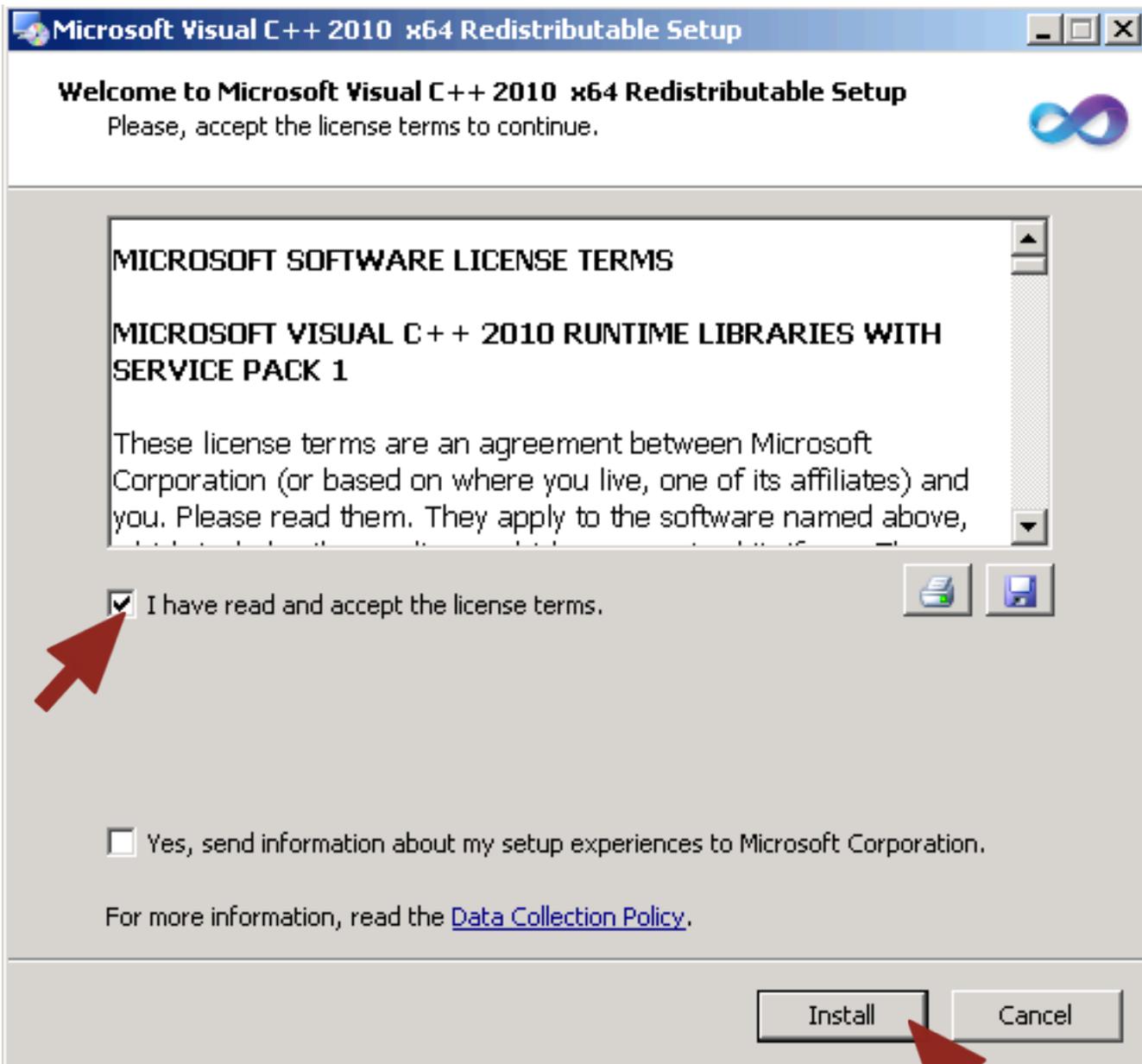
- Local Disk (C:)
- Shared Folders (\\vmw

Network

Name ^	Date modified	Type	Size
 vcredist_x64	6/6/2016 1:23 PM	Application	5,541 KB
 vcredist_x86	6/6/2016 1:23 PM	Application	4,879 KB

 vcredist_x64 Date modified: 6/6/2016 1:23 PM Date created: 3/23/2017 10:01 AM
Application Size: 5.41 MB







Installation Is Complete

Microsoft Visual C++ 2010 x64 Redistributable has been installed.

You can check for more recent versions of this package on the [Microsoft Visual Studio](#) website.

Finish



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Shared Folders (\\vmw

Network

Name ^	Date modified	Type	Size
dist	6/15/2016 1:47 PM	File folder	
docs	3/23/2017 10:01 AM	File folder	
redist	6/6/2016 1:23 PM	File folder	
badu-test-tool_windows	3/23/2017 10:00 AM	WinRAR ZIP archive	48,834 KB

dist Date modified: 6/15/2016 1:47 PM
File folder

dist

← → ↻ Search dist

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Name ^	Date modified	Type	Size
BaduTestServer	2/16/2017 10:29 AM	Application	9,233 KB
BaduTestTool	2/16/2017 10:28 AM	Application	30,230 KB

BaduTestTool Date modified: 2/16/2017 10:28 AM Date created: 3/23/2017 10:01 AM
Application Size: 29.5 MB



BaduTestTool

Shared Folders (\\vmware-host) (Z:) > hole > BaduTestTool

Search BaduTestTool

Organize Open Burn New folder

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- Desktop
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Libraries

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Computer

- Local Disk (C:)
- Shared Folders (\\vmw

Network

Name ^	Date modified	Type	Size
redist	6/2/2016 2:28 PM	File folder	
BaduTestServer	2/16/2017 1:08 PM	Application	11,233 KB
BaduTestTool	2/16/2017 1:08 PM	Application	30,821 KB

Badu Test Tool

Launch

Internal Port: 8080

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info@badunetworks.com

BaduTestTool Date modified: 2/16/2017 1:08 PM Date created: 2/16/2017 1:08 PM

Application Size: 30.0 MB

Test Control



Test: 0/0
 Estimated time left:

Server	IP:Port or URL ⓘ
WarpTCP	<input type="text"/> : <input type="text"/>
TCP	<input type="text"/> : <input type="text"/>

Test Statistics

Number of Tests (Upload + Download):	0
Total Transmit Bytes:	0 B
Total Receive Bytes:	0 B
Average WarpTCP Upload:	0.0 bps
Average WarpTCP Download:	0.0 bps
Average TCP Upload:	0.0 bps
Average TCP Download:	0.0 bps

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Size in Bytes (M, k)	Iterations	Mode	Parallel Streams	Upload	Download	Average Download WarpTCP/TCP (Mbps)			Average Upload WarpTCP/TCP (Mbps)			
						WarpTCP	TCP	Benefit	WarpTCP	TCP	Benefit	
<input type="text" value="1M"/>	<input type="text" value="1"/>	Alternating ▾	<input type="text" value="1"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.0000	0.0000	%	0.0000	0.0000	%	<input checked="" type="checkbox"/>

Add



Test Control



Test: 0/0
 Estimated time left:

Server	IP:Port or URL ⓘ
WarpTCP	54.67.25.103 : 9000
TCP	54.67.25.103 : 9001

Test Statistics

Number of Tests (Upload + Download):	0
Total Transmit Bytes:	0 B
Total Receive Bytes:	0 B
Average WarpTCP Upload:	0.0 bps
Average WarpTCP Download:	0.0 bps
Average TCP Upload:	0.0 bps
Average TCP Download:	0.0 bps

Download Output CSV

Size in Bytes (M, k)	Iterations	Mode	Parallel Streams	Upload	Download	Average Download WarpTCP/TCP (Mbps)			Average Upload WarpTCP/TCP (Mbps)			
						WarpTCP	TCP	Benefit	WarpTCP	TCP	Benefit	
100k	100	Alternating	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.0000	0.0000	%	0.0000	0.0000	%	<input type="button" value="✘"/>
500k	75	Alternating	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0.0000	0.0000	%	0.0000	0.0000	%	<input type="button" value="✘"/>
1M	20	Alternating	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.0000	0.0000	%	0.0000	0.0000	%	<input type="button" value="✘"/>

Add



Test Control



Test: 24/270
Estimated time left: 3 min

Server	IP:Port or URL
WarpTCP	54.67.25.103 : 9000
TCP	54.67.25.103 : 9001

Test Statistics

Number of Tests (Upload + Download):	270
Total Transmit Bytes:	37.5 MB
Total Receive Bytes:	67.5 MB
Average WarpTCP Upload:	0.0 bps
Average WarpTCP Download:	12.9 Mbps
Average TCP Upload:	0.0 bps
Average TCP Download:	6.3 Mbps

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File size: 100k



Size in Bytes (M, k)	Iterations	Mode	Parallel Streams	Upload	Download	Average Download WarpTCP/TCP (Mbps)			Average Upload WarpTCP/TCP (Mbps)			
						WarpTCP	TCP	Benefit	WarpTCP	TCP	Benefit	
100k	100	Alternating	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	12.9	6.3	105.4%	0.0000	0.0000	%	<input checked="" type="checkbox"/>
500k	75	Alternating	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0.0000	0.0000	%	0.0000	0.0000	%	<input checked="" type="checkbox"/>
1M	20	Alternating	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.0000	0.0000	%	0.0000	0.0000	%	<input checked="" type="checkbox"/>

Add



File size: 100k



File size: 500k



File size: 1M



Size in Bytes (M, k)	Iterations	Mode	Parallel Streams	Upload	Download	Average Download WarpTCP/TCP (Mbps)			Average Upload WarpTCP/TCP (Mbps)			
						WarpTCP	TCP	Benefit	WarpTCP	TCP	Benefit	
100k	100	Alternating	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	13.2	6.5	103.8%	0.0000	0.0000	%	<input type="checkbox"/>
500k	75	Alternating	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	22.3	14.3	56.1%	12.1	8.1	49.2%	<input type="checkbox"/>
1M	20	Alternating	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	23.5	17.3	35.6%	0.0000	0.0000	%	<input type="checkbox"/>

Test Control



Test: 270/270
Estimated time left: < 1 min

Server	IP:Port or URL
WarpTCP	54.67.25.103 : 9000
TCP	54.67.25.103 : 9001

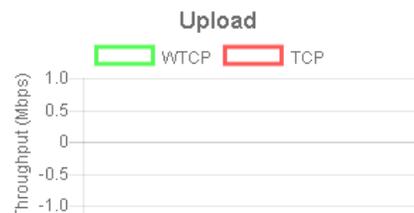
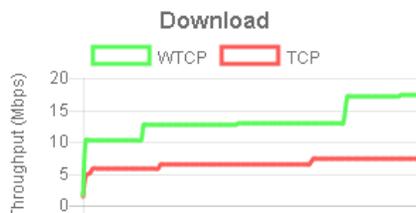
Test Statistics

Number of Tests (Upload + Download):	270
Total Transmit Bytes:	37.5 MB
Total Receive Bytes:	67.5 MB
Average WarpTCP Upload:	12.1 Mbps
Average WarpTCP Download:	17.8 Mbps
Average TCP Upload:	8.1 Mbps
Average TCP Download:	10.6 Mbps

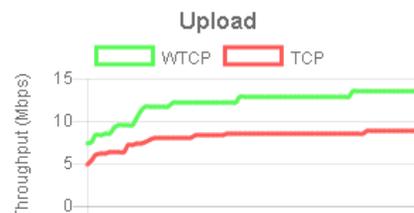
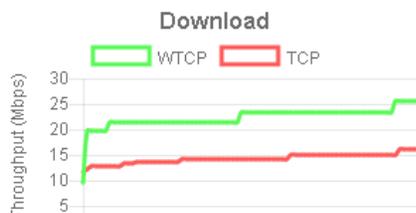
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File size: 100k



File size: 500k



File size: 1M