

# Setup for Badu's Customer Test Tool



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# Server Side

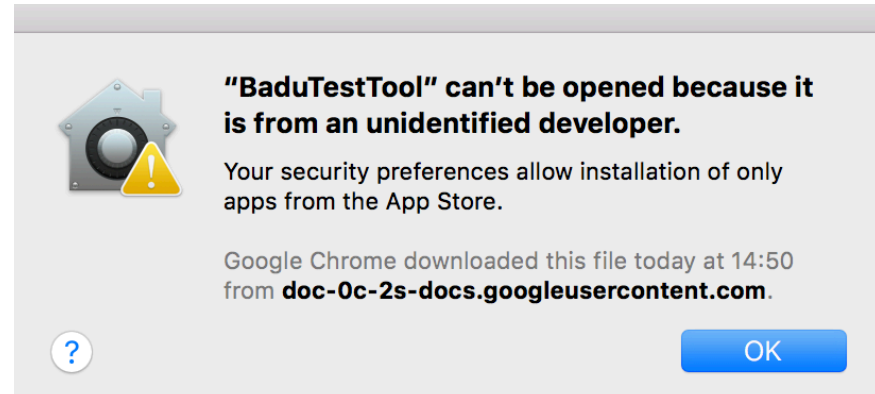
## Pre-requisites:

- 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

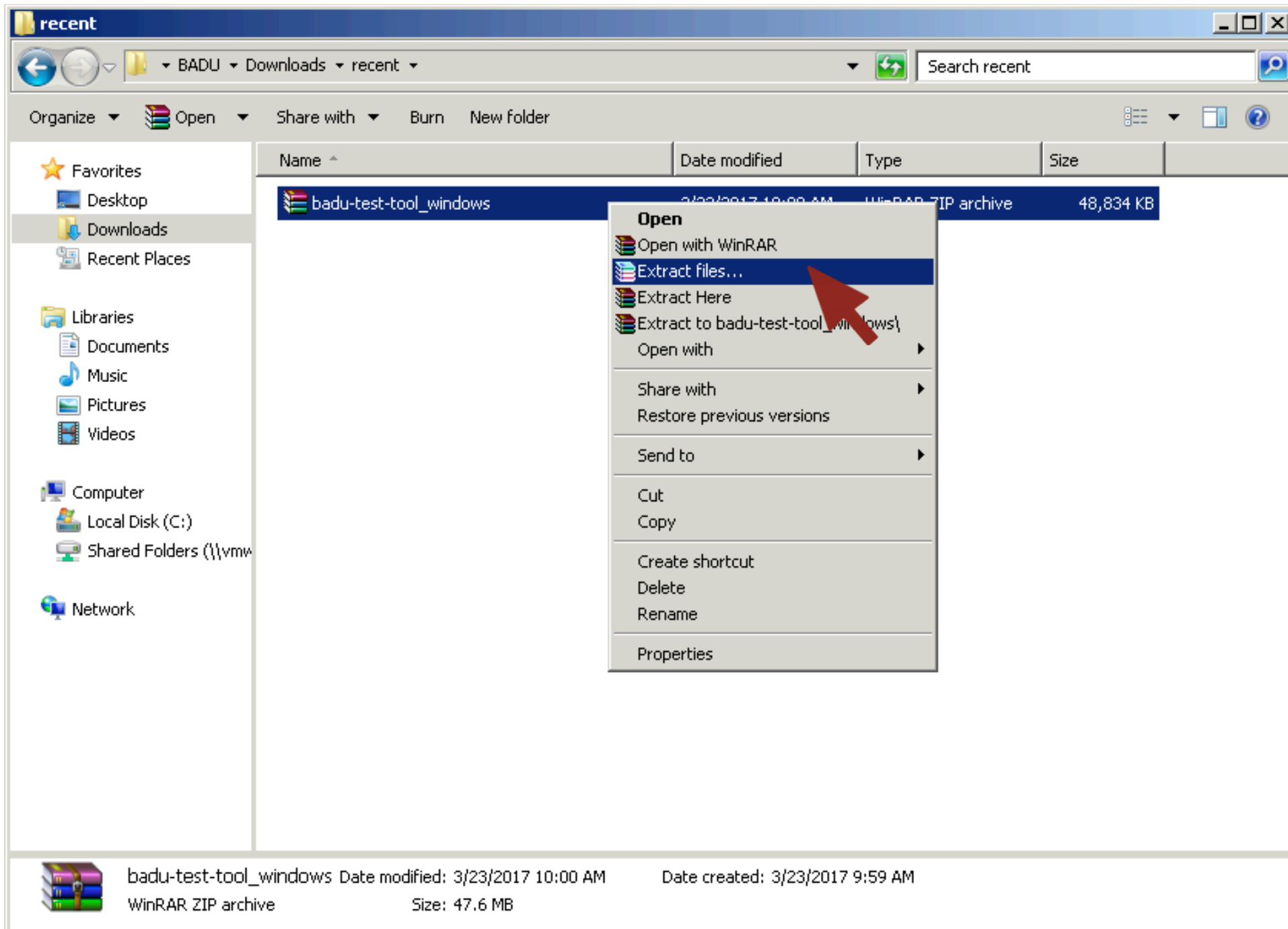
Inside the **redist** folder, you will need to install either `vcredist_x64.exe` or `vcredist_x86.exe` depending on your architecture.

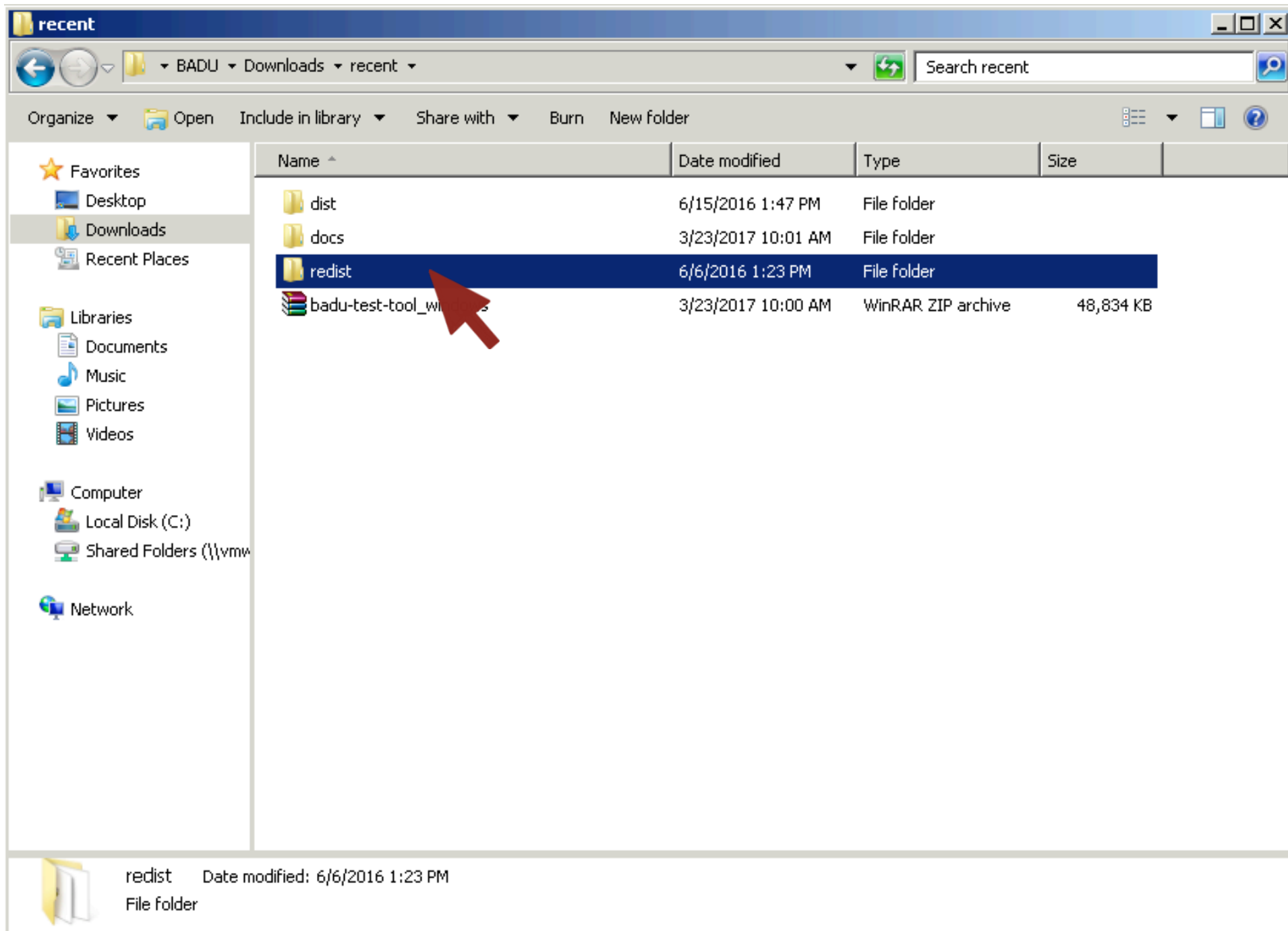
Now you can run the `BaduTestTool.exe` application.

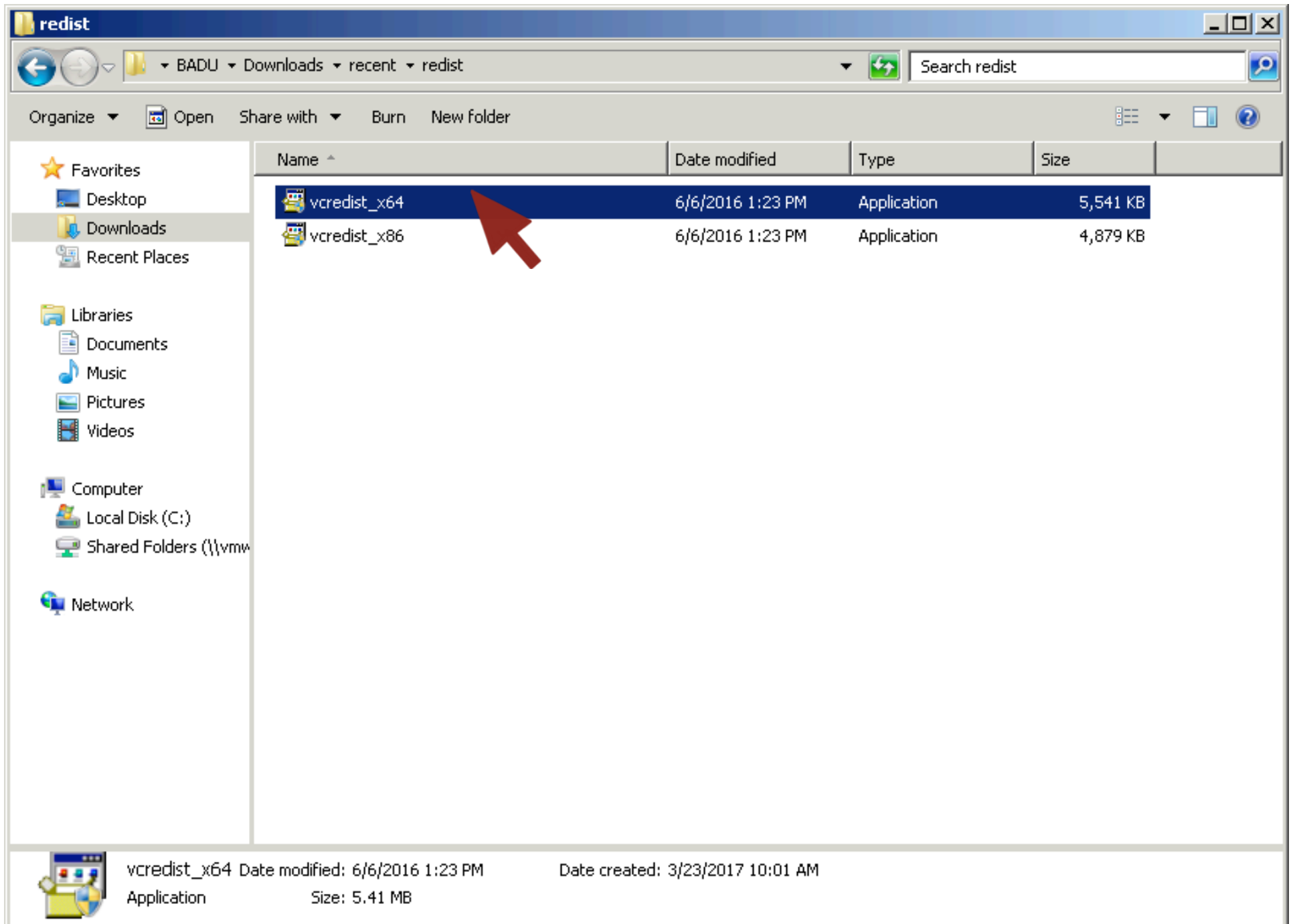
*Screenshots on the following slides...*

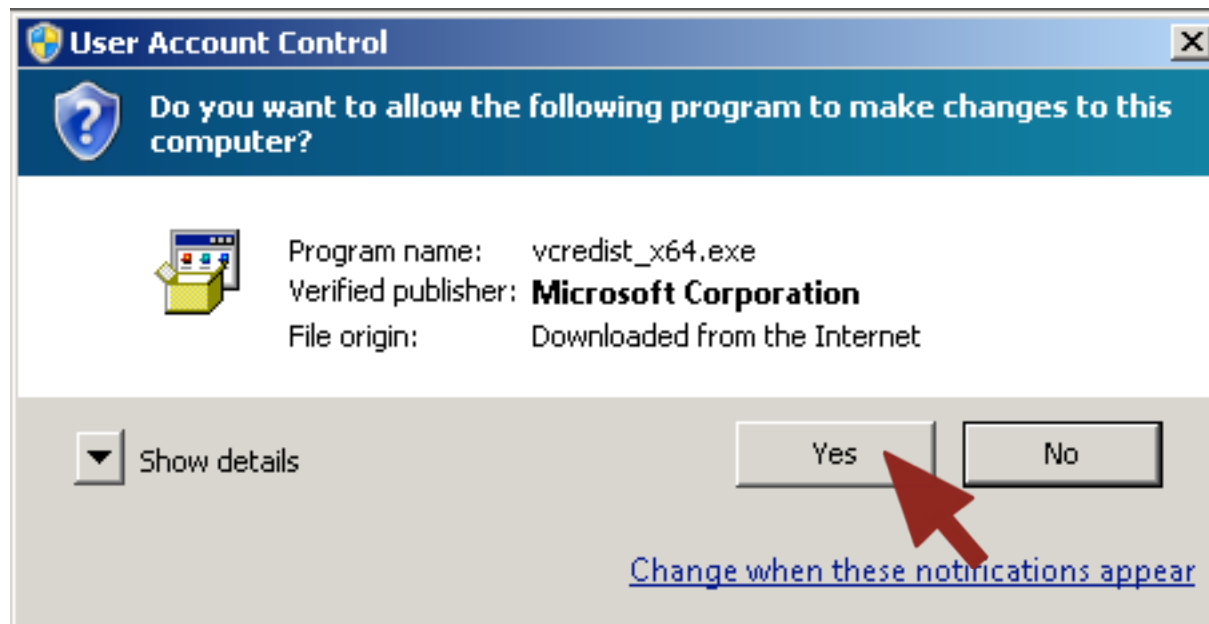
# Visual Walkthrough of Badu's Customer Test Tool (Windows client)

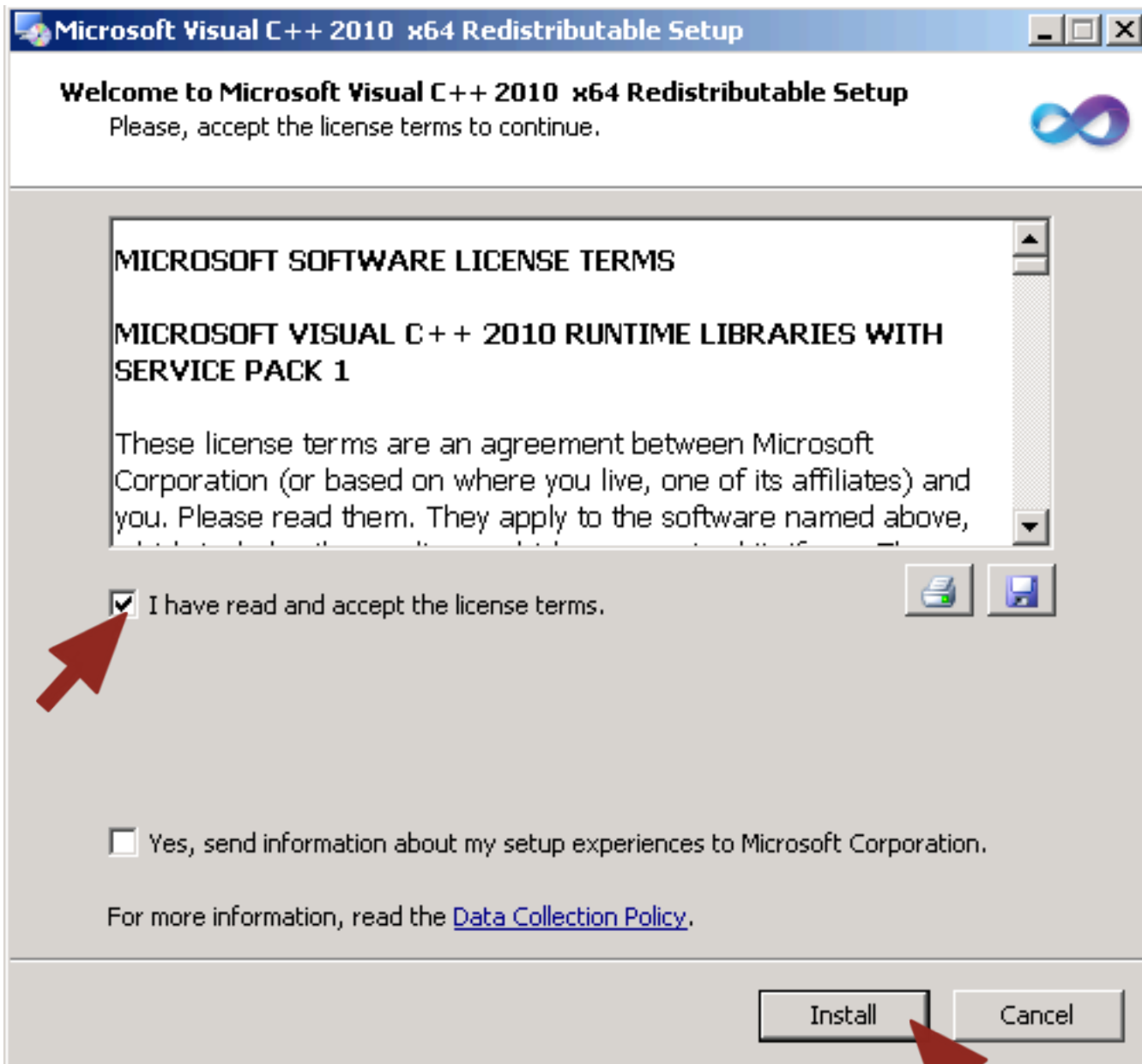












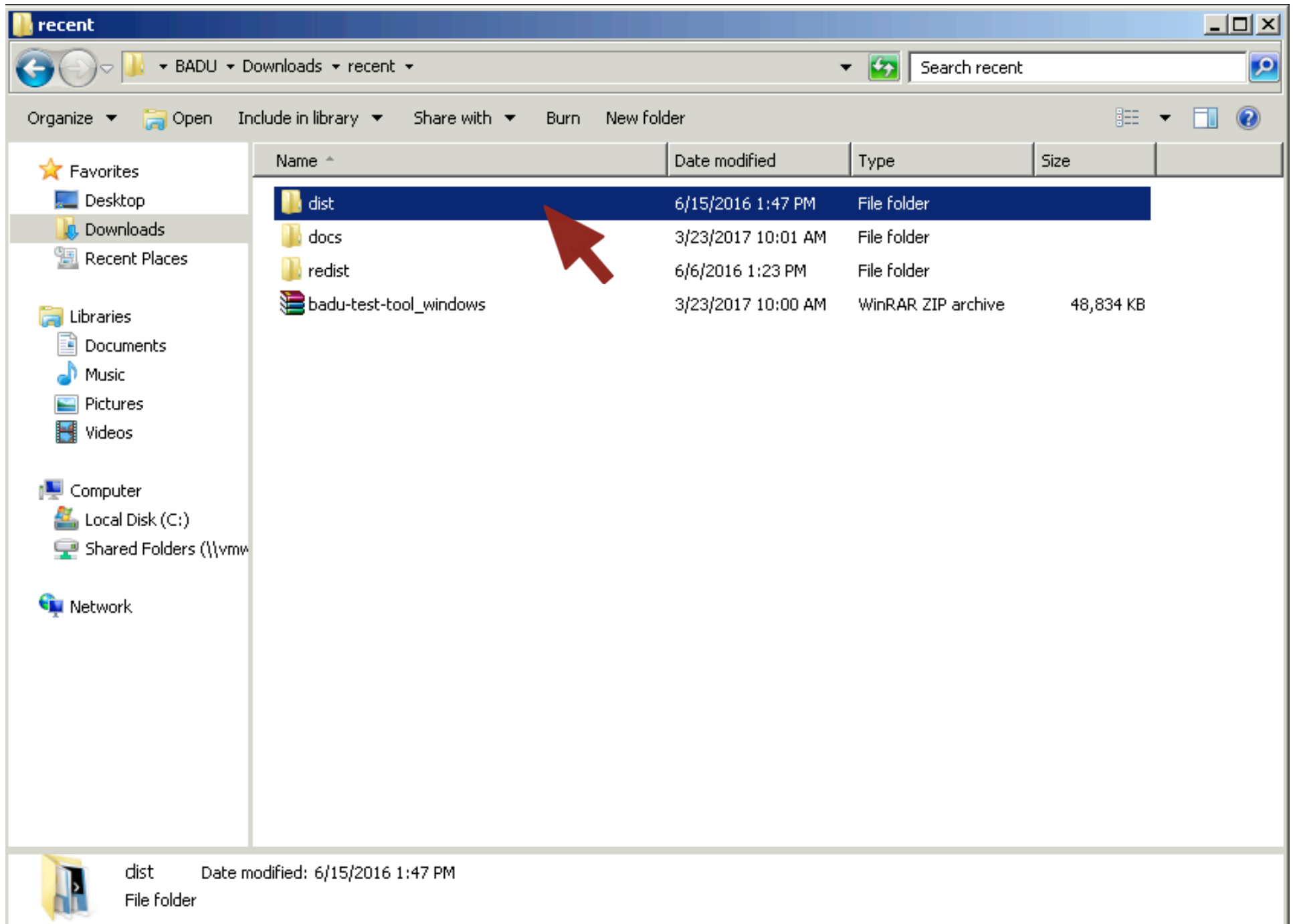


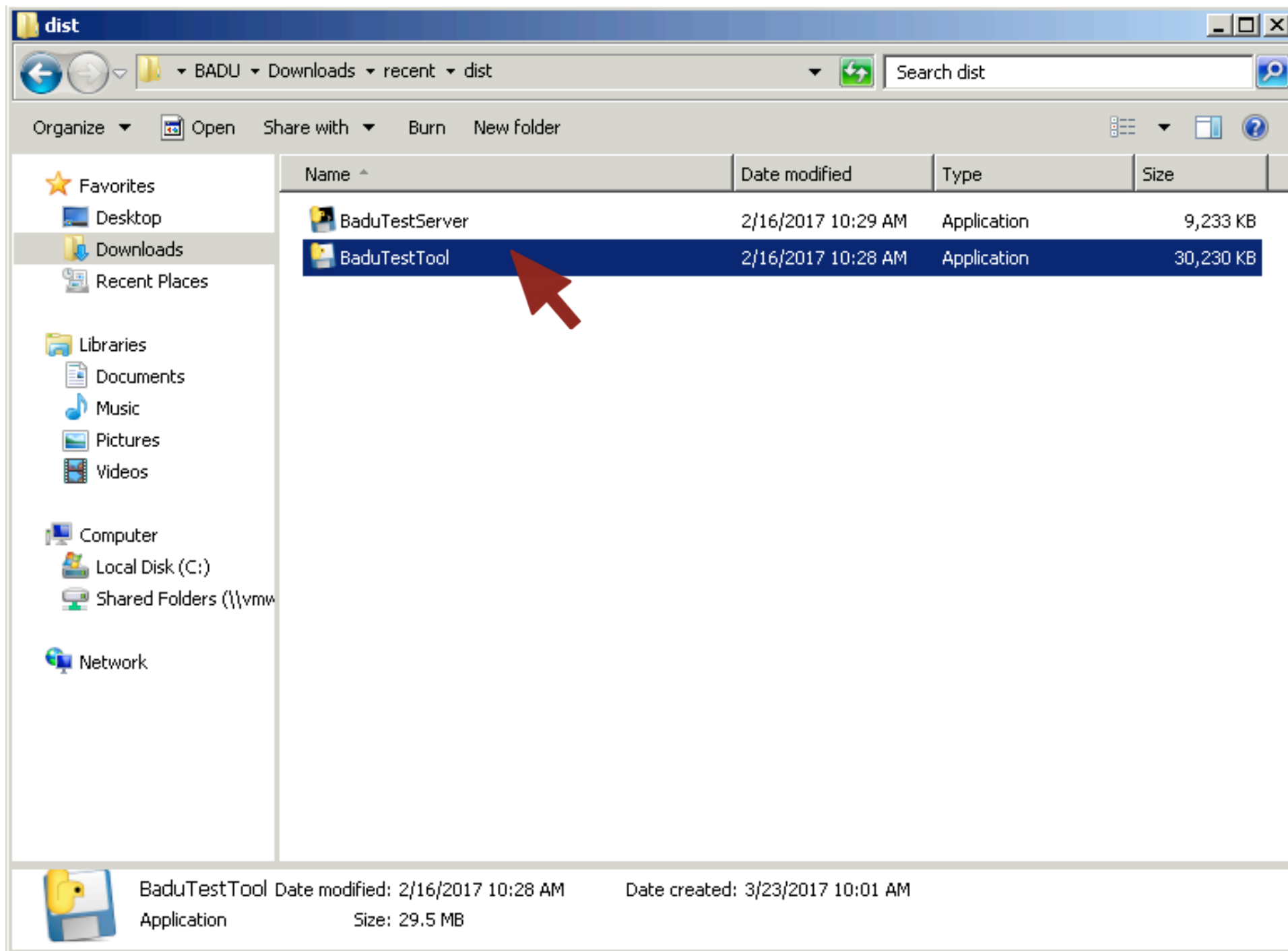
## Installation Is Complete

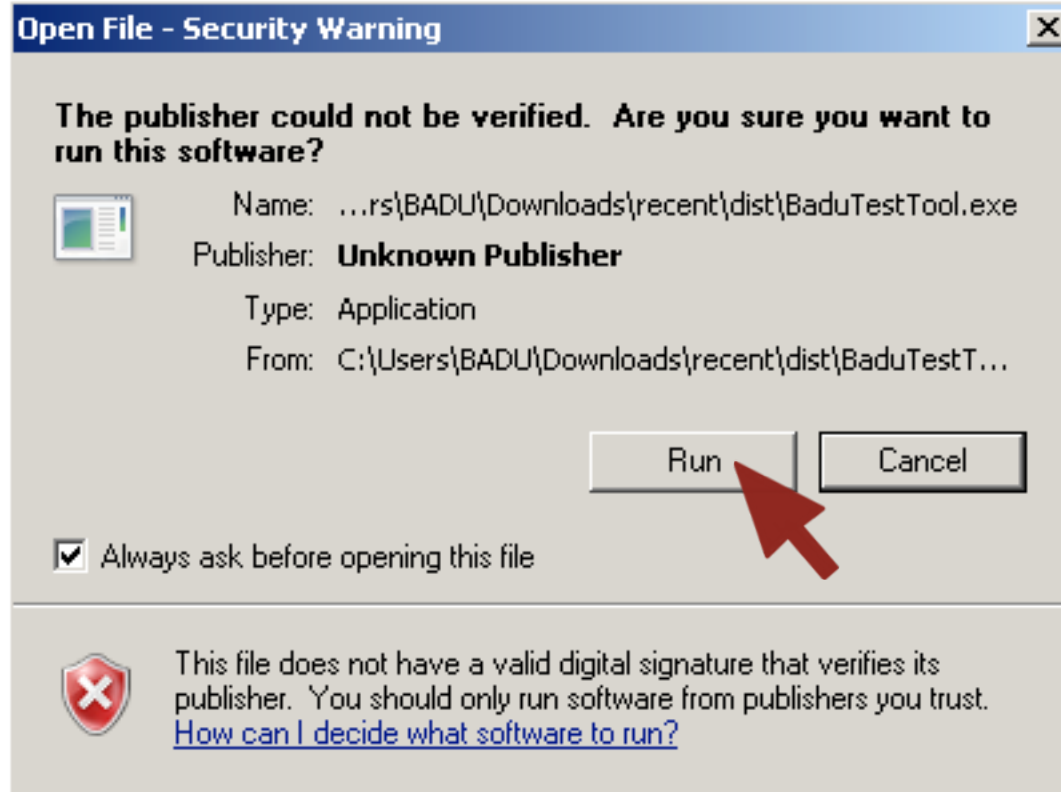
Microsoft Visual C++ 2010 x64 Redistributable has been installed.

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

Finish







BaduTestTool

Back

Forward

Up

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

Refresh

Search BaduTestTool

OrganizeOpenBurnNew folder

★ Favorites

Desktop

Downloads

Recent Places

Libraries

Documents

Music

Pictures

Videos

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

Application

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

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

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	
<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	%	

Add



Test Control

Test: 0/0  
Estimated time left:

Server	IP:Port or URL ⓘ
WarpTCP	<div>54.67.25.103</div> <div>9000</div>
TCP	<div>54.67.25.103</div> <div>9001</div>

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	%	
500k	75	Alternating ▾	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0.0000	0.0000	%	0.0000	0.0000	%	
1M	20	Alternating ▾	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0.0000	0.0000	%	0.0000	0.0000	%	

Add



Test Control

Test: 24/270

Estimated time left: 3 min

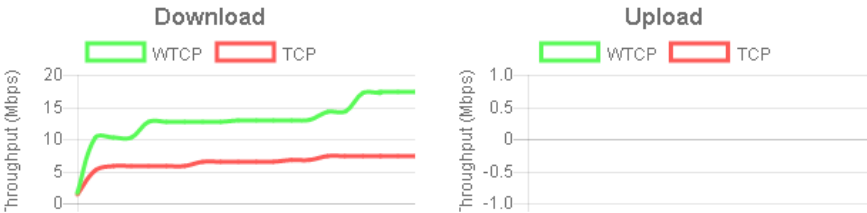
Server	IP:Port or URL ⓘ
WarpTCP	54.67.25.103 : 9000
TCP	54.67.25.103 : 9001

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

Download Output CSV

File size: 100k

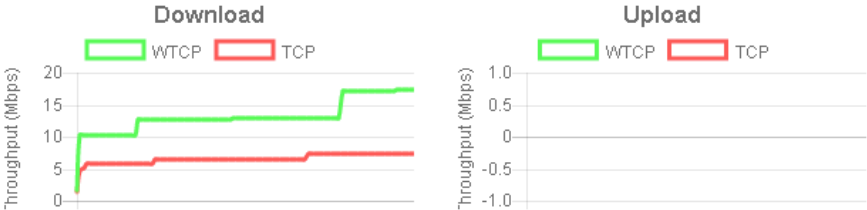


Size in Bytes (M, k)	Iterations	Mode	Parallel Streams	Upload	Download	Average Download WarpTCP/TCP (Mbps)			Average Upload WarpTCP/TCP (Mbps)			
						WarpTCP	TCP	Benefit	WarpTCP	TCP	Benefit	
100k	100	Alternating ▾	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	12.9	6.3	105.4%	0.0000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

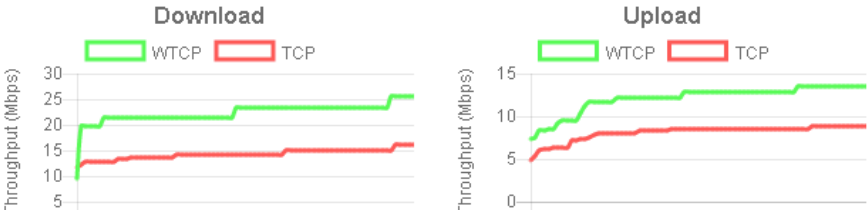
Add



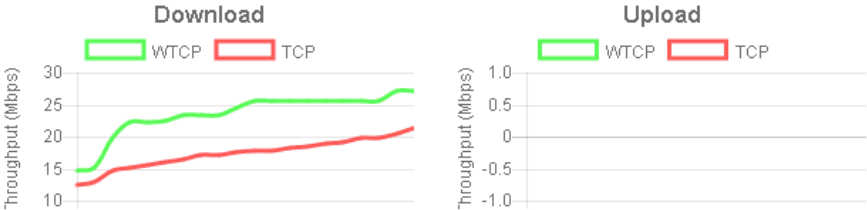
File size: 100k



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	%	✖
500k	75	Alternating	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	22.3	14.3	56.1%	12.1	8.1	49.2%	✖
1M	20	Alternating	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	23.5	17.3	35.6%	0.0000	0.0000	%	✖

Warp Test

127.0.0.1:8080/#main

BADU

Control

Help

Test Control

▶

■

Test: 270/270

Estimated time left: < 1 min

Server	IP:Port or URL ⓘ
WarpTCP	<div>54.67.25.103</div> : <div>9000</div>
TCP	<div>54.67.25.103</div> : <div>9001</div>

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

Download Output CSV

File size: 100k

Download

Throughput (Mbps)

WTCP

TCP

0

5

10

15

20

Upload

Throughput (Mbps)

WTCP

TCP

-1.0

-0.5

0

0.5

1.0

File size: 500k

Download

Throughput (Mbps)

WTCP

TCP

5

10

15

20

25

30

Upload

Throughput (Mbps)

WTCP

TCP

0

5

10

15

File size: 1M

wtcp.csv

Show all