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Test Reporter Installation and Update

This section will guide the user for the Installation of the Licensing Dongle and Test Reporter Application. This will include installation and update steps also.

1. Downloading the Setup folder

Download the setup folder from the link below. Extract the folder in C drive. The resultant folder structure should be as C:\nginx. From here the nginx folder will be referred as **Set up folder** <u>http://document.ulinkreporter.com/nginx.zip</u>

2. Dongle Installation

The next step is the dongle setup. End-User needs the licensing Dongle to use and install the test reporter application. To install Licensing Dongle, users need to double click on the setup file named as "USBKeyDriver.exe" present in the set up folder

Double-clicking the exe will open the 'Select Mode' window as shown in the snapshot below. Then select the 'Install' option and click Ok. This will install the necessary drivers onto the Windows system.

Select Mode ×
Would you like to install or uninstall CRYPTO-BOX support?
 Install
🔿 Uninstall
Ok Cancel

Once the driver setup is done successfully the following window will appear as shown below. Click Ok and exit the setup window.



3. Software Installation

Software installation consists of installation of all prerequisite software on the server to deploy applications. This is a one time activity.

3.1 MySQL

If you have already installed MySQL Server on your system, then no need to follow the installation steps , you can directly go to the <u>Step 2</u> for database creation.

MySQL Installation
 For downloading latest MySQL installer click on the link below
 <u>Download MySQL Installer</u>
 Download the MySQL installer shown in snapshot

MySQL Community Downloads

General Availability (GA) Releases	chives 🤄	
MySQL Installer 5.7.38		
Select Operating System: Microsoft Windows	~	Looking for the latest GA version?
Windows (x86, 32-bit), MSI Installer (mysql-installer-web-community-5.7.38.0.msi)	5.7.38 MD5: 8f7ee	2.3M Download
Windows (x86, 32-bit), MSI Installer (mysql-installer-community-5.7.38.0.msi)	5.7.38 MD5: b5d@c	523.6M Download
We suggest that you use the MD5 che packages you download.	ksums and GnuPG signature	s to verify the integrity of the

Please Download the Windows(x86, 32-bit),MSI Installer (usually greater than 500 mb) Click on the download option

Click on the No Thanks, Just Start My Download

MySQL Installer

MySQL Community Downloads

Login Now or Sign Up for a free account.

An Oracle Web Account provides you with the following advantages:

- Fast access to MySQL software downloads
- · Download technical White Papers and Presentations
- · Post messages in the MySQL Discussion Forums
- Report and track bugs in the MySQL bug system



No thanks, just start my download.

- a. After download the installer file double click on the file It will ask for permission; when it does, click **"Yes"**.
- b. The installer will then open. Now, it will ask to choose the setup type. Here, select **"Custom".**



- c. Click on Next. With this, you will install MySQL server
- Open MySQL Servers, select the server to install, and move it to the Products/Features to be installed window section.
 Expand the MySQL Servers and select MySQL Server 5.7.xx -x64 (here xx stands for minor version of MySQL installed)
 And click on the green arrow it will add the product to the installed window section.

MySQL Installer	– 🗆 X
MySQL. Installer Adding Community	Select Products Please select the products you would like to install on this computer.
Choosing a Setup Type	All Software,Current Bundle,Any Edit
Select Products	Available Products: Products To Be Installed:
Download Installation Installation Complete	MySQL Servers MySQL Server 5.7 MySQL Server 5.7.38 - X64 MySQL Server 5.7.38 - X86 MySQL Connectors Documentation
	Enable the Select Features page to customize product features Published: Tuesday. April 26, 2022 Release Notes: <u>https://dev.mysal.com/doc/reinotes/mysal/5.7/en/news-5-7-38.html</u>
	< Back Next > Cancel

e. Click on the **"Next"** button. Now, click on the Execute button to download and install the MySQL server

NySQL Installer			_		×
MySQL. Installer Adding Community	Installation The following products will be installed.				
	Product	Status	Progress	Notes	
Choosing a Setup Type	🐼 📐 MySQL Server 5.7.38	Complete			
Select Products					
Installation					
Product Configuration					
Installation Complete					
	Show Details >				
		< Back	Next >	Cance	el

- f. Once the product is ready to configure, click on **"Next"**. Under Type and Networking, go with the default settings and select **"Next"**.
- g. Set your MySQL Root passwordSet password as rootand click on "Next".

NySQL Installer				_		×
MySQL. Installer	Accounts and Role	25				
MySQL Server 5.7.58	Root Account Password Enter the password for the roo place.	ot account. Please	remember to store this pas	sword in a	a secure	
Type and Networking	MySQL Root Password:	••••				
Accounts and Roles	Repeat Password:	Password strength	Wesk			
Windows Service		rassword strength	. WEak			
Apply Configuration						
	MySQL User Accounts Create MySQL user accounts consists of a set of privileges MySQL User Name	s for your users and s. Host	l applications. Assign a role User Role	to the us	Add Us Edit Us Delete	er
			< Back Next	t>	Cance	el

h. Go for the default windows service settings.

i. Under apply configuration, click on execute. Once the configuration is complete, click on **"Finish"**.



j. Click the **"Next"** button on the product Configuration page.

MySQL Installer		>
MySQL. Installer Adding Community	Product Configuration	n wizard for each of the following products.
Choosing a Setup Type	You can cancel at any point if you wish products.	to leave this wizard without configuring all the
Select Products	Product	Status
Installation	MySQL Server 5.7.38	Configuration complete.
Product Configuration		
Installation Complete	<	3
		Next > Cancel

k. Click on the **"Finish"** button.



I. Installation completed.

After completing installation, open command prompt and go to mysql installation directory (cd C:\Program Files\MySQL\MySQL Server 5.7\bin)

• Database creation

Type command "mysql -u root -p" and press enter. It asks for the password, enter the password of root user as **"root"**

The screen shot explains the same.



After that you have to create database using following command: create database ulinkdb;

You can check the created databases by using the following command.

show databases;

Screenshot explains the same.



We need to create the folder structure in our system to process the test comparator data. For that, double click on the **"create_folder_script.bat"** file Which is in **C:\nginx\script\create_folder_script.bat**.

Note: If you double-click the create_folder_script.bat file, the command window will be opened and closed executing all the commands in it. This will create the folder structure in the "C:\ulink_TR\Documents\" folder and you are ready to process data for test cases. Go to **"C:\ulink_TR\Documents\ulink"** folder and verify that all the folder structures are created successfully.

3.2 Nginx Installation

Goto C:\nginx\TRSetup\StartNginx.exe Double click on exe files It will start the nginx server of your machine For shortcut you can copy and paste the exe file on desktop

3.3 Test Reporter Installation

Application Setup	
Goto C:\nginx\TRSetup\UlinkTR.exe Double click on UlinkTR.exe a. Click on Next	
Version 4.3.8	- 🗆 🗙
Select Destination Location Where should UlinkTR be installed?	E COL
Setup will install UlinkTR into the following folder.	
To continue, click Next. If you would like to select a different folder, click Browse.	
C:\Program Files (x86)\UlinkTR	Browse
At least 472.2 MB of free disk space is required.	
	Next Cancel

b. Please check the checkbox **Create a desktop shortcut** And Click on **Next** button

Shown in the snapshot below



c. Click on the Install button.

🤟 Se	tup - UlinkTR version 4.3.8	_		\times
Re	ady to Install Setup is now ready to begin installing UlinkTR on your computer.			(Jan)
	Click Install to continue with the installation, or click Back if you want to review or change	e any setti	ings.	
	Destination location: C:\Program Files (x86)\UlinkTR Additional tasks: Additional shortcuts: Create a desktop shortcut			^
	<	}	>	~
	Back	stall	Ca	ancel

Please uncheck the checkbox Launch UlinkTR
 Click on Finish button
 Shown in the snapshot below

₩ Setup - UlinkTR version 4.3.8	- 🗆 ×
	Completing the UlinkTR Setup Wizard
(10)	Setup has finished installing UlinkTR on your computer. The application may be launched by selecting the installed shortcuts. Click Finish to exit Setup.
	Finish

It will install a UlinkTR.exe and create a desktop shortcut

Allow Permissions
 Goto C:\Program Files (x86)\UlinkTR
 Right click on the UlinkTR folder select the Properties
 Select the Security tab.
 Click on Edit

📕 UlinkTR Prope	rties			×
General Sharing	Security	Previous Versions	Customise	
Object name: 0	C:\Program	Files (x86)\UlinkTF	ł	
Group or user nam	nes:			
ALL APPLIC	ATION PA	CKAGES		~
all Restr	ICTED APP	P PACKAGES		
SCREATOR C	OWNER			
To change permis	sions, click	Edit.	Edit	
Permissions for Al APPLICATION P/	LL ACKAGES	Allo	w Deny	,
Full control				^
Modify				
Read & execute	e	\checkmark		
List folder conte	ents	\checkmark		
Read		\sim		
Write				\mathbf{v}
For special permis click Advanced.	sions or ad	vanced settings,	Advance	d
	0	K Cano	el Ap	ply

Select the Users(<XXX>\Users)

where<XXX> is your current user name

In the Permissions section, check $\ensuremath{\textbf{Full control}}$, Shown in the snapshot below

Permissions for UlinkTR		×	
Security			
Object name: C:\Program Files	(x86)\UlinkTR		
Group or user names:			
ALL RESTRICTED APP PACKAGES			
CREATOR OWNER			
Administrators (Mohini\Admin	istrators)		
Users (Mohini\Users)		×	
<		>	
	Add	Remove	
Permissions for Users	Allow	Deny	
Full control		□ ^	
Modify			
Read & execute	\checkmark		
List folder contents	\checkmark		
Read			

• Execution

To start Ulink TR double click on the UlinkTR Goto browser and hit the url to open the TR login page. <u>http://localhost:4200</u>, This will bring the Sign in page

⊌ ULINK_TR × +			 · 	- 0	×
\leftarrow \rightarrow C (i) localhost:4200/signin		• এই	* 1	• • •	:
	SIGN IN				
	Enter Your Password				
	FORGOT PASSWORD ? LOGIN				

This is the login page for TR. We need to input email and password here. In case you are installing new TR application the credentials are as follows:
 <u>Email</u>: <u>support@testreporter.ulinktech.com</u>
 <u>Password</u>: Password123#
 If TR application is updated from previous version, user can use it's own email and password here

• After successful login, you have to check all the terms and conditions in the application.

ULINK Technology Inc. Terms Of Use
may not use the account, username, or password of someone else at any time. You agree to notify Company immediately on any unauthorized use of your account, user name, or password. Company shall not be liable for any loss that you incur as a result of someone else using your password, either with or without your knowledge. You may be held liable for any losses incurred by Company, its affiliates, officers, directors, employees, consultants, agents, and representatives due to someone else's use of your account or password.
5. NO WARRANTIES
COMPANY HEREBY DISCLAIMS ALL WARRANTIES. COMPANY IS MAKING THE SITES AVAILABLE "AS IS" WITHOUT WARRANTY OF ANY KIND. YOU ASSUME THE RISK OF ANY AND ALL DAMAGE OR LOSS FROM USE OF, OR INABILITY TO USE, THE SITES OR THE SERVICES. TO THE MAXIMUM EXTENT PERMITTED BY LAW, COMPANY EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED, REGARDING THE SITES, INCLUDING,
I accept the Privacy Policy
✓ I have read the Terms Of Use CANCEL ACCEPT
I have read the End User License Agreement

- After clicking on all checkboxes click on Accept.
- This will prompt you to the Licensing dongle configuration page. The user has to put the licensing dongle's product key and product key password

SET CONFIGURATION
Product Key
Enter Product Key
Product Key Password
Enter Product Key Password
SUBMIT

• ***Note:** This is only for new TR installation, once the user has configured the dongle in the application, he need not to configure it again

• Once the licensing dongle configuration is completed, the user can see the TR dashboard

⊌ ULINK_TR	× +		~ - 0 ×
\leftrightarrow \rightarrow C (i) localhost:4	200/dashboard		여 Q 년 ☆ 🛸 🖬 😩 :
🗏 🌢 ULİNK			Version: TR v4.4.1 TestReporter ULINKTech 💄
	() Timeline (Days)	Drives/Devices (Counts)	🖵 System Info
Dashboard	Operations 0	Total Count	Tatal Sustan Count
유 Users	Data Logging	SATA	Total Test System Count
🔒 Devices	Data Size 0	SAS O	Total Test System Available
🗋 Result	All Data 5.9 GB		Record Info (Numbers)
Test Suite	Raw Data 4.3 GB Database 9.3 MB Available Disk Size 73.65 %	Parsed Test Results (Counts)	Raw Records 0
Test System View	2000	Total Count 0	Complete Records 0
	Test Suites 0	SATA	Visible Records 0
Non remplate view	Test Suites 6	SAS 0	Error Records 0
🖵 Test Run 🔷 🔸	Test Suites Versions		Deleted Records 0
Script Template >	小 Parsing Statistics	(^b) Test Results Statistics	Daily 🗸
🚱 Settings 🔹 🔸	Current Status Idle		
🗲 Support	Parsing Summary 1 Week		
	Completed Count 0	Total Test Results 0	
	Incomplete Count	Dage Degulter 0	
	Error Count 0	Pass Results 0	No Data Available
		©2023 ULINK Technology, Inc.	Privacy Policy Terms of Use

4. DriverMaster Machine Setup

- This section is for the drive master machine setup. If you don't want to add and work on 'Test Run' functionality, you can skip this section
- This section makes the remote machine capable of executing DriveMaster whenever client machine requests
- **Note:** The steps shown below need to be only followed on drive master machine i.e on the machine where drive master is hosted; not on our local TR installation machine

4.1 Enabling OpenSSH service on the machine

• To enable OpenSSH service, search for powershell in Windows Search and click 'Windows PowerShell' and then choose Run as administrator.



• This will open a blue background command prompt window. There type the following command:

Get-WindowsCapability -Online | ? Name -like 'OpenSSH*'

This should give the following output:



The State NotPresent indicates that your machine is not enabled with OpenSSH service

• To enable it type the following command

Add-WindowsCapability -Online -Name OpenSSH.Server~~~0.0.1.0

This will enable OpenSSH on your machine and will give such output:



 Once the service is installed, we need to start this service. Input the following command for the same:

Start-Service sshd

 Now, you have to make this service to be setted Automatic, so that we need to start it again and again. The command for this is:

Set-Service -Name sshd -StartupType 'Automatic'

In this way, you can make this service enabled and run on Automatic mode.

- For debugging SSH connection, Follow the following steps
 - step1 : Open the command prompt.

Type here : ssh <username>@<test pc Ip address> and hit enter For ex : ssh agsuser@127.0.0.1

step 2 :Then type test pc password.



Step3 : After successful connection with test PC. Will get test PC cmd.



(Note - For debugging ssh connection the test pc and server pc are required in same network)

4.2 Steps to create a task in the task scheduler

• Open the Task Scheduler

Press the Windows key and search for "Task Scheduler." Click on the "Task Scheduler" app that appears in the search results.



• Create a task.

In the Task Scheduler window, click on "Create Task" from the right-hand sidebar.

Tark Cabadular (Lara)					
Jask Scheduler (Local)	Name Sta	atus Triggers	^ /	Actions	
Bisk Scheduler Elbrury	🕒 🕒 GoogleUpda Re	ady Multiple triggers defined		Task Scheduler Library	
	🕒 🕒 GoogleUpda Re	ady At 10:21 AM every day - After t		🖲 Create Basic Task	
	🕒 McAfee Re Re	ady When the task is created or mo		The Create Task	
	🕒 McAfeeLogon Re	ady At log on of any user		Lucia Tel	
	🕒 🕒 MicrosoftEd Re	ady Multiple triggers defined		Import lask	
	🕒 🕒 MicrosoftEd Re	ady At 11:54 PM every day - After t		Display All Running Tasks	
	🕒 OneDrive Pe Re	ady At 11:00 AM on 5/1/1992 - Afte		🗧 🛛 Enable All Tasks History	
	OneDrive Re Re ConeDrive Re Re	ady At 12:38 PM on 5/17/2023 - Aft		Mew Folder	
	<	>		View	
	General Triggers	ctions Conditions Settings 1	7	Refresh	
	Name George	In the data Tank Manhima Cara(\$10D20D)	~ 1	? Help	
	Name: Goog	ctions Conditions Settings F		Help Selected Item	

• Click on "General" tab

Provide "Name" and click on checkbox of "Run with highest privileges"

lame:	OpenSSH Service					
ocation:	N.					
uthor:	AGS-P-136\agsuser					
escription:						
Security on	tions					
When runn	ing the task use the f	ollowing user account:				
AGS-P-136	\agsuser		Change User or Group			
Run onl	y when user is logged	on				
O Run wh	ether user is logged or	n or not				
🗌 Do r	not store password. Th	he task will only have access to local co	omputer resources.			
	h highest privileges					
🗹 Run witl						

• Click on "Triggers" tab

In the triggers tab, click on "New" to create a new trigger for the task.

(The	County Tools	
6	Create lask	
0.000		

rigger	Details	Status

×

In the 'New trigger window' Specify the schedule and frequency when the task should run. Did the same changes as mentioned in the following screenshot.

ight the task.	At start	up			\sim		
Settings							
No additiona	al settings	required.					
Advanced set	tings						
🗌 Delay task	c <mark>fo</mark> r:	15 minu	tes 🗸				
Delay task Repeat task	c for: sk every:	15 minu 5 minute	tes v		for a duration of:	Indefinitely ~	
Delay task	c for: <mark>sk every:</mark> p all runni	15 minu 5 minute ng tasks a	tes v es v it end of repetit	tion du	for a duration of:	Indefinitely V	
 Delay task Repeat tas Stop Stop task 	c for: <mark>sk every:</mark> p all runni if it runs le	15 minu 5 minut ng tasks a onger than	tes v es v It end of repetit n: 3 days	ion du	for a duration of: ration	Indefinitely ~	
 Delay task Repeat task Stop Stop task Activate: 	c for: sk every: p all runni if it runs li 5/22/20	15 minut 5 minut ng tasks a onger that 23	tes v es v it end of repetit n: 3 days 12:17:43 PM	tion du	for a duration of: ration	Indefinitely	
 Delay task Repeat task Stop Stop task Activate: Expire: 	c for: sk every: p all runni if it runs k 5/22/20 5/22/20	15 minut 5 minuto ng tasks a onger than 23 • •	tes es it end of repetit n: 3 days 12:17:43 PM 12:17:43 PM	tion dur	for a duration of: ration Synchronize	Indefinitely	

After clicking OK, the trigger has been successfully added.

• Click on "Actions" tab

In the Actions tab, click on "New" to create a new action for the task.

Triggers	Actions	Conditions	Settings	
you create	e a task, yo	ou must speci	fy the action that will occur when y	your task starts.
1	De	tails		
				*
-	14 MIC 14		· · · · · · · · · · · · · · · · · · ·	8
	Triggers you create	Triggers Actions you create a task, yo n De	Triggers Actions Conditions you create a task, you must specif n Details	Triggers Actions Conditions Settings you create a task, you must specify the action that will occur when n Details

In the 'New Actions' window specify the following Actions we need to perform

- First we need to select the action as 'Start a program'.
- Second in the settings we need to browse and select the **.bat** file which contains logic to restart OpenSSH service.

t <u>i</u> on:	Start a program	~
etting	5	
Progra	am/script:	
C:\ngi	nx\script\background_script.bat	B <u>r</u> owse
Add a	rguments (optional):	
S <u>t</u> art i	n (optional):	

Script location - \nginx\script\background_script.bat

After clicking OK, the Action has been successfully added.

• Once again, click "OK" on the task creation window. The task has now been successfully created.



4.3 Adding PS library on the machine

- Use this Link to download the PS Tools zip file
- Extract this downloaded zip file on location, C:\Program Files i.e the resultant folder structure should be C:\Program Files\PSTools
- By doing this, you have added PS library in the machine

4.4 Configuration for test-server machine without password

- When we are working in Test Run section and we want to connect to server machine that are without login password, we need to make some settings in the server machine and the test machine as well
- This mechanism is basically based on SSH key sharing between test and server . It contains the following sections:
 - I. Generating SSH key on test machine if not generated
 - II. Copying the SSH key to server machine
 - III. Setting the SSH key on server machine
- By following the below steps, we can make our test compatible for connecting without the password of a server machine.
 - First check whether the SSH key is created on the test machine or not. It is present in the path "C:\Users\<username>\.ssh", Here we will be able to see two keys viz private and public

If these keys are present that means we have the keys generated. If not we need to generate the keys



- 2. To generate the key, we have to run(Double Click) a batch file test_run_client_keygen.bat which is present in the nginx zip path which was downloaded for install/update. The path for this batch is "C:\nginx\script\test_run_client_keygen.bat" After successful run, we can see the keys created named ulink_key
- 3. Now we have to transfer this file to the server machine. This should be transferred under path "*C*:*ProgramData**ssh*"

If this path is not present in the server machine, Please make sure you have completed step 4.1.

4. After successful transfer, we need to set the key on the server machine. For this we need to run(Double Click) another batch script which is test_run_server_key_setup.bat, present again on nginx zip path, "C:\nginx\script\test_run_server_key_setup.bat" Note: Run this batch scipt via Administrator so that it is properly configured in server machine

This	PC > Local Disk (C:) > ProgramDa	ta → ssh			✓ Ö 🔎 Sear
^	Name	Date modified	Туре	Size	
	logs	3/20/2023 11:09 AM	File folder		
	administrators_authorized_keys	3/20/2023 11:10 AM	File	1 KB	
	ssh_host_dsa_key	3/20/2023 11:09 AM	File	2 KB	
	ssh_host_dsa_key	3/20/2023 11:09 AM	PUB File	1 KB	
	ssh_host_ecdsa_key	3/20/2023 11:09 AM	File	1 KB	This file is either newly
	ssh_host_ecdsa_key	3/20/2023 11:09 AM	PUB File	1 <u>KB</u>	exected on modified often
	ssh_host_ed25519_key	3/20/2023 11:09 AM	File	1 KB	created or modified after
	ssh_host_ed25519_key	3/20/2023 11:09 AM	PUB File	1 KB	the batch file run
	ssh_host_rsa_key	3/20/2023 11:09 AM	File	3 KB	
	🗐 ssh_host_rsa_key	3/20/2023 11:09 AM	PUB File	1 KB	
	sshd.pid	3/20/2023 11:09 AM	PID File	1 KB	
	sshd_config	2/2/2023 3:35 PM	File	3 KB	

- 5. Once we run the batch file, we can see a file named *administrators_authorized_keys* newly created or modified via the batch run.
- 6. By completing these steps, now we are ready to connect to the server machine with no password
- ★ Points to remember:
 - Make sure you have completed the 4.1 and 4.2 steps before performing these above steps
 - The test machine key once generated should never be deleted or modified as it can change the key setup on server
 - If we want another test to connect to a passwordless server, we need to perform the same operation

5. Test Reporter Update

- This section will guide the user for updating the Test Reporter Application.
- When we update the TR version only the software update is needed
- We don't need to do the USB driver installation and database installation
- By doing the following steps, you can update the TR version on your machine

5.1 Uninstalling the current version of TR

- For the uninstall process, we have to **restart the machine**. This process is needed for smooth uninstall
- After restart, we need to start with the uninstall process
- For this, Goto Control Panel and Select Programs and Features as shown below.

I Control Panel Items			-		×
$\leftarrow \rightarrow \checkmark \uparrow$ 🔛 > Control Panel :	> All Control Panel Items		ٽ ×		Q
Adjust your computer's setting	IS		View by: Small icons	•	
🚔 Administrative Tools	🕞 AutoPlay	🍓 Backup and Restore (Windows 7)	🏘 BitLocker Drive Encryption		
💶 Color Management	Credential Manager	Date and Time	Default Programs		
📇 Device Manager	👘 Devices and Printers	💶 Dolby Digital Plus Advanced Audio	😂 Ease of Access Center		
File Explorer Options	le History	A Fonts	🚨 Indexing Options		
🚭 Intel® HD Graphics	👮 Internet Options	🕌 Java	🔤 Keyboard		
🛽 Mouse 🛛 🖌	👯 Network and Sharing Center	📰 Phone and Modem	🗟 Power Options		
Programs and Features	Recovery	🔗 Region	🐻 RemoteApp and Desktop Connections		
Programs and Features	rtAudio	🔟 Sound	🖶 Speech Recognition		
Storage S Uninstall or change progr	ams on your Center	🔜 System	🖳 Taskbar and Navigation		
Troubleshooting	user Accounts	🔗 Windows Defender Firewall	🖼 Windows Mobility Center		
📱 Work Folders					

• Search for Ulink TR in the programs list, and right click Uninstall as show below.

0	Programs and Features						-		×
÷	 → 	anel → All Control Panel Items → Programs and Fe	atures		ч <u>с</u>	Search Programs and Fe	atures		P
	Control Panel Home	Uninstall or change a program							
	View installed updates	To uninstall a program, select it from the list a	nd then click Uninstall, Change, or Repair.						
9	Turn Windows features on or		·····						
-	off	Organize 🔻 Uninstall					0.00	- ==	?
		Name	Publisher	Installed On	Size	Version			
		MvSQL Documents 5.7	Oracle Corporation	9/2/2022	73.0 MB	5.7.39			
		WySQL Examples and Samples 5.7	Oracle Corporation	9/2/2022	3.62 MB	5.7.39			
		MvSOL Installer - Community	Oracle Corporation	9/2/2022	535 MB	1.6.3.0			
		MvSQL Router 8.0	Oracle Corporation	9/2/2022	105 MB	8.0.30			
		MvSQL Server 5.7	Oracle Corporation	9/2/2022	363 MB	5.7.39			
		WySQL Shell 8.0.30	Oracle and/or its affiliates	9/2/2022	258 MB	8.0.30			
		WySQL Workbench 8.0 CE	Oracle Corporation	9/2/2022	151 MB	8.0.30			
		Node.js	Node.js Foundation	9/5/2022	52.0 MB	12.10.0			
		Skype version 8.88	Skype Technologies S.A.	9/2/2022	278 MB	8.88			
		💠 Slack	Slack Technologies Inc.	9/22/2022	106 MB	4.28.182			
		🔀 Smarx4NET	MARX CryptoTech	9/5/2022	369 KB	2.15.730			
		Osynaptics Pointing Device Driver	Synaptics Incorporated	9/2/2022	46.4 MB	19.0.17.27			
		- TeamViewer	TeamViewer	9/21/2022		15.33.7			
		UlinkTR version		9/15/2022	505 MB	4.3.9			
		Windows PC He	Microsoft Corporation	9/2/2022	11.6 MB	3.6.2204.08001			
		C Zoom	Zoom Video Communications, I	9/8/2022	9.76 MB	5.11.11 (8425)			
		Product version: 4.3.9							
		Size: 505 MB							

- After clicking , you will be prompted a confirmation window, Proceed with Yes.
- Again click for yes, as shown below

	and 7 Air condorrance items 7 riog	fams and reactives			*	0	Search Programs and re	atures	
Control Panel Home	Uninstall or change a prog	gram							
View installed updates	To uninstall a program, select it fro	om the list and then	click Uninstall, Change, or Repair.						
Turn Windows features on or									
off	Organize 🔻 Uninstall								•
	Name		Publisher	Installed On	Size		Version		
	MvSQL Documents 5.7		Oracle Corporation	9/2/2022		73.0 MB	5.7.39		
	MySQL Examples and Samples 5.7		Oracle Corporation	0/2/2022		3.62 MB	5.7.39		
	MySQL Installer - Community	UlinkTR Uninstall			\times	535 MB	1.6.3.0		
	MySQL Router 8.0	Are you sure you want to completely remove UlinkTR and all of its components?				105 MB	8.0.30		
	MySQL Server 5.7					363 MB	5.7.39		
	MySQL Shell 8.0.30					258 MB	8.0.30		
	MySQL Workbench 8.0 CE					151 MB	8.0.30		
	🌒 Node.js				-	52.0 MB	12.10.0		
	Skype version 8.88		Yes	No	-	278 MB	8.88		
	🐳 Slack		Slack Technologies Inc.	9/22/2022		106 MB	4.28.182		
	🔀 Smarx4NET		MARX CryptoTech	9/5/2022		369 KB	2.15.730		
	💓 Synaptics Pointing Device Driver		Synaptics Incorporated	9/2/2022		46.4 MB	19.0.17.27		
	😁 TeamViewer		TeamViewer	9/21/2022			15.33.7		
	UlinkTR version 4.3.9			9/15/2022		505 MB	4.3.9		
	Section 2015 Windows PC Health Check		Microsoft Corporation	9/2/2022		11.6 MB	3.6.2204.08001		
	Zoom		Zoom Video Communications, I	9/8/2022		9.76 MB	5.11.11 (8425)		

• In last you will see a confirmation window for successful uninstall of the application

Name	Publisher		Installed On	Size	Version	
MySQL Documents 5.7	Oracle Co	rporation	9/2/2022	73.0 MB	5.7.39	
MySQL Examples and Samples 5.7	Oracle Co	moration	0/2/2022	3.62 MB	5.7.39	
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MySQL Router 8.0				105 MB	8.0.30	
MySQL Server 5.7				363 MB	5.7.39	
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MySQL Workbench 8.0 CE				151 MB	8.0.30	
Node.js				52.0 MB	12.10.0	
Skype version 8.88			OK	278 MB	8.88	
4 Slack	Slack Tech	nologies Inc.	9/22/2022	106 MB	4.28.182	
😽 Smarx4NET	MARX Cr	/ptoTech	9/5/2022	369 KB	2.15.730	
🖉 Synaptics Pointing Device Driver	Synaptics	Incorporated	9/2/2022	46.4 MB	19.0.17.27	
😔 TeamViewer	TeamView	er	9/21/2022		15.33.7	
UlinkTR version 4.3.9			9/15/2022	505 MB	4.3.9	
💝 Windows PC Health Check	Microsoft	Corporation	9/2/2022	11.6 MB	3.6.2204.08001	
🖸 Zoom	Zoom Vid	eo Communications, I	9/8/2022	9.76 MB	5.11.11 (8425)	
Product version: 4.3.9						
Size: 505 M	В					

5.2 Please refer to section 3.2 and 3.3

After having a successful uninstall of the software, you can proceed with the installation steps. These steps are included in section 3.2 and 3.3.

If you are new to Test Run feature also follow the steps in section 4