

# **BHU LAN Network Connectivity** User Guide For Windows Older than 7(SP-1)

## **STEP 1: AUTHENTICATE**

1.Go to search bar and enter "Services". Open services and search for 'Wired AutoConfig'.

Services		
File Action View Help		
🗢 🌩   📰 🖾 🛋   🔽 📰   🕨 🔲 II	I D	
Services (Local) Services (Local)		
Wired AutoConfig	Name Description Status Startup Type	Log On As
Stop the service Restart the service Description: The Wired AutoConfig (DOT3 service is responsible for perf IEEE 802.1X authentication or ethernet interfaces. If your cu- wired network deployment e 802.1X authentication, the DC service should be configured for establishing Layer 2 conn and/or providing access to n resources. Wired networks th not enforce 802.1X authentic unaffected by the DOT3SVC s	VC)     Windows Management Ser     Performs m     Manual       Windows Media Player Net     Shares Win     Manual       Windows Mixed Reality Op     Enables Mix     Manual       Windows Mobile Hotspot S     Provides th     Manual       Windows Mobile Hotspot S     Provides th     Manual       Windows Perception Service     Enables spa     Manual (Trig       Windows Perception Service     Enables spa     Manual       Windows Perception Service     Enables spa     Manual       Windows Perception Service     Running     Automatic       Windows Perception Service     Running     Automatic       Windows Perception Service     Running     Automatic       Windows Push Notification     This service     Running       Windows Push Notification     This service     Manual (Trig       Windows Search     Provides co     Running     Matomatic (       Windows Search     Provides co     Running     Manual (Trig       Windows Update     Enables the     Running     Manual (Trig       Windows Update     Enables the     Running     Manual (Trig       Windows Update     Enables the     Running     Manual (Trig       Windows Update     Enables the	Local Syste Network S Local Syste Local Service Local Service Local Service Local Syste Local Service Local Syste Local Syste

2. Double Click on 'Wired AutoConfig' and set Startup type to Automatic. Click Apply and start the service.

Wired Au	itoConfig	Properties	(Local Co	mputer)			$\times$
General	Log On	Recovery	Depende	ncies			
Service	name:	dot3svc					
Display	name:	Wired Auto	Config				
Descrip	tion:	The Wired responsible	AutoConfi e for perfor	g (DOT3SV ming IEEE 8	C) servic 302.1X	e is	$\hat{}$
Path to C:\Win	executabl dows\syst	le: em32\svcho	st.exe -k L	ocalSystem	Network	Restricted	P
Path to C:\Wind Startup	executabl dows\syst type:	e: em32\svcho Automatic	st.exe -k L	ocalSystem	Network	Restricted	р ~
Path to C:\Wind Startup	executabl dows\syst	e: em32\svcho Automatic Bunning	st.exe -k L	ocalSystem	Network	Restricted ·	p ~
Path to C:\Wind Startup Service	executabl dows\syst type: status:	Automatic Running	st.exe -k L	ocalSystem	Network	Restricted	P ~
Path to C:\Wind Startup Service	executabl dows\syst type: status:	e: em32\svcho Automatic Bunning Stop	ost.exe -k L	ocalSystem Pause	Network	Restricted	p ~

3. Go to Control Panel>Network and Internet>Network Connections. Right Click on Ethernet and Click **Properties**.



4.Select the Authentication tab and do the settings shown in figure below.

Ethernet Properties	$\times$
Networking Authentication Sharing	
Select this option to provide authenticated network access for this Ethemet adapter.  Enable IEEE 802.1X authentication	
Choose a network authentication method:	
Microsoft: Protected EAP (PEAP) $\sim$ Settings	
<ul> <li>Remember my credentials for this connection each time I'm logged on</li> <li>Fallback to unauthorized network access</li> </ul>	
Additional Settings	

5. Click on Settings and do the changes as shown in figure below. Click OK.

Protected EAP Properties ×
When connecting:
Verify the server's identity by validating the certificate
Connect to these servers (examples:srv1;srv2;.*\.srv3\.com):
Trusted Root Certification Authorities:
AAA Certificate Services Baltimore CyberTrust Root Certum CA Certum Trusted Network CA Class 3 Public Primary Certification Authority COMODO RSA Certification Authority DigiCert Assured ID Root CA < Notifications before connecting: Tell user if the server's identity can't be verified
Select Authentication Method:
Secured password (EAP-MSCHAP v2) $\checkmark$ Configure
Enable Fast Reconnect  Disconnect if server does not present cryptobinding TLV  Enable Identity Privacy  OK Cancel

6. Click on Additional Settings and do the changes as shown in figure below. Click Ok.

$\sim$	-	
	Specify authentication mode	
	User authentication $\sim$	Save credentials
	Delete credentials for all users	
	Perform immediately before user log	on
	Perform immediately before user log     Perform immediately after user logor     Maximum delay (seconds);	on 1
	Enable single sign on for this network     Perform immediately before user logo     Perform immediately after user logor     Maximum delay (seconds):     Allow additional dialogs to be display     sign on	on 10 🗢

### **STEP 4: READY TO USE**

Once you connect the LAN cable a Pop-up will ask to put username and password. Enter your Internet access Username and password (provided by Computer Center) in the field. This is the same username and password as you are using for BHU-WiFi/BHU-WIF-Secure Connectivity.

### NOTE:-

If user connecting their WIFI routers with the new LAN connection it will not work.

#### **SUPPORT**

For Technical Queries, feel free to mail us at: lan@bhu.ac.in