EDUROAM User Guide

1 EDUROAM Introduction

EDUROAM (education roaming) is an international wireless roaming service for users who are the league members of EDUROAM. It provides researchers, teachers and students easy and secure network access when visiting other institutions. The users' identity authentication is performed by their home institute, using the same credentials as when they access the network locally, while authorization to access the Internet and possibly other resources is handled by the visited institution.

IHEP has officially joined the EDUROAM community since March 2015.

2 Getting Started

2.1 For IHEP Users inside IHEP

2.1.1 Preparation of Unified Authentication Account of IHEP

IHEP users access EDUROAM using unified authentication account of IHEP as the credential. Before using EDUROAM, please login the unified authentication system of IHEP (http://login.ihep.ac.cn) and fulfill the initial information.

2.1.2WINDOWS 8 Users Guide

For the Windows 8 Users, Please refer to the following steps to use EDUROAM wifi.

STEP 1: OPEN NETWORK CONNECTIONS

• Click the wireless network icon on the taskbar.



STEP 2: CONNECT TO EDUROAM

- Click eduroam.
- Check Connect automatically.
- Click Connect.

Flight mode Off	
WiFi	
eduroam	ali
Connect automatical	ly

STEP 3: USER CREDENTIALS

- In the first field, enter your account (e.g.xxx@ihep.ac.cn).
- In the second field, enter the password.
- Click OK.

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STEP 4: CONFIRM SERVER IDENTITY

When the message displayed below shows:

• Click Connect.



You are now connected to eduroam. From now on, your computer will automatically connect to this wireless network.

2.1.3 WINDOWS 7 Users Guide

STEP 1: OPEN NETWORK CONNECTIONS

Click the wireless network icon on the taskbar.



STEP 2: CONNECT TO EDUROAM

- Click eduroam.
- Click Connect.

eduroam	Connect
IHEP	<u></u>
jiac-wifi	
HUAWEI-P72UVN	
fa-bak	
TP-LINK_483DC0	Sall

STEP 3: PROVIDE USER CREDENTIALS

- A screen is now being displayed.
- Under **Username**: enter your account.
- Under **Password**: enter your password.
- Click OK.

Windows Security		×
Network Au Please enter us	uthentication er credentials	
	User name Password	
		OK Cancel

STEP 4: CONFIRM SERVER IDENTITY

When the message displayed below shows:

Click Connect.	
Windows Security Alert	X
The connection a	attempt could not be
The Credentials provided by the serv that you terminate the connection an information provided in the details. Y you to security risk by a possible rogu	er could not be validated. We recommend d contact your administrator with the ou may still connect but doing so exposes se server.
Details	<u>T</u> erminate <u>C</u> onnect

2.1.4 CA Certificate Users Guide

Please select PEAP for unified authentication account and TLS for certificate authority (CA) validation.

USING CA CERTIFICATE

STEP 1: CONFIGURATION PROPERTIES

• Click Property.



STEP 2: CHOOSE PROTOCOL

• Choose Microsoft: Smart Card or other certificate

eduroam Wireless Network Properties			
Connection Security			
Security type: Encryption type:	WPA2-Enterprise AES		
Choose a network authentication method: Microsoft: Smart Card or other certificat ▼ Settings Remember my credentials for this connection each time I'm logged on			
Advanced settings			
	OK Cancel		

USING ACCOUNT

STEP 1: CONFIGURATION PROPERTIES

• Click Property.

eduroam	الند	
	Connect	
IHEP	Properties	
HUAWEI-P72UVN	lin.	
TP-LINK_483DC0	3 41	
fa-bak	line.	
Open Network and Sharing Center		

STEP 2: CHOOSE PROTOCOL

- Choose Microsoft: Protected EAP(PEAP)
- Click Advanced Settings



STEP 3: ADVANCED SETTINGS

- Choose User authentication
- Click Save credentials
- Click OK

Advanced settings			
802.1X settings 802.11 settings			
Specify authentication mode:			
User authentication			
Delete credentials for all users			
Enable single sign on for this network			
Perform immediately before user logon			
 Perform immediately after user logon 			
Maximum delay (seconds): 10			
Illow additional dialogs to be displayed during single sign on			
This network uses separate virtual LANs for machine and user authentication			
OK Cancel			

2.1.5 Mobile Devices Users Guide

This manual describes how you can configure a mobile phone with the operating system Android to use the eduroam network of the IHEP. There are two ways to connect to the eduroam.

USING ACCOUNT

STEP 1: SELECT EDUROAM

• Press eduroam.



STEP 2: CONFIGURING EDUROAM

- Under EAP method select the option **PEAP**.
- Under Identity: enter your account.
- Under **Password**: enter your password.
- Press Connect.

< WLAN	
eduroa	m
EAP METHOD	
PEAP	>
PHASE 2 AUTHENTICATION	
None	>
CA CERTIFICATE	
(unspecified)	>
Identity	
xxx@ihep.ac.cn	
Anonymous identity	
Password	
Cancel	Connect

USING CERTIFICATES

STEP 1: SELECT EDUROAM

• Press eduroam.

9:	36AM	0.23K/s ⓒ 🧟	and (6 5%
	< WLAN			
	AVAILABLE NETWORKS			
	eduroam Secured with 802.1x		((·	\odot
	EVE Secured with WPA/WPA2		((1-	
	fa-bak Secured with WPA2 (WPS avai	lable)	((·	
	HUAWEI-P72UVN Secured with WPA/WPA2 (WP3 available)	S 🔒	(fr	
	jiac-wifi Secured with WPA/WPA2	•	((.	
	TP-LINK_483DC0 WPS available		((:-	
	yanjian Secured with WPA2		(((•	
	Scan WLAY	Pirect		

STEP 2: CONFIGURING EDUROAM

- Under EAP method select the option **TLS**.
- Under CA CERTIFICATE: select your certificate.

9:29AM	0.07K/s 🏵 🗢 🛲 65%
< WLAN	
WLAN	
edure	oam
EAP METHOD	
TLS	>
CA CERTIFICATE	
(unspecified)	>
USER CERTIFICATE	
(unspecified)	>
Identity	
Cancel	Connect

2.1.6 Some Notes

As an IHEP local user, you are not recommended to use EDUROAM at IHEP for long time. After a successful connection, you will be disconnected from EDUROAM automatically in five minutes and receive an offline email. If your terminal equipment repeats connection to EDUROAM, you will receive this email continuously. You are advised to select IHEP SSID.

2.2 For IHEP Users outside IHEP

IHEP users can access the EDUROAM using their IHEP credentials(username and password) when visiting an EDUROAM deployed institution around the world.

2.3 For the Visitors inside IHEP

Visitors from the EDUROAM deployed institutions can access the wireless network of IHEP by selecting the eduroam SSID using their home institution credentials.