

Personal equipment at IHS

When bringing your personal (private, non-IHS) PC or notebook to the IHS, you might want to be able to use certain IT-resources such as printing or Internet access.

Contents: Network access via cable or wireless; network printers; network drives; email.

Applies to: Personal notebooks, personal tablet PCs and personal PCs.

Question: What kind of IHS-IT resources can be accessed, and how?

Answer: At IHS you can use Wi-Fi and LAN. Network printers and drives H:, U:, J: can be accessed from inside IHS as well as from virtually any other place in the world, provided internet access and proper set up:

1. Wi-Fi Access (Wireless LAN)

Prerequisite: A personal computer equipped with Wi-Fi adapter (internal or external).

a) Wi-Fi "Ihotse"

Features: Easy to configure; restricted services ("web surfing only"); Recommended for short-term visitors.

Full access to network resources (H:, U:, J: and printing) in combination with *IHSSVPN* (see below).

Access to SSH/SCP/FTP, access to IHS webmail.

How to: In your network configuration, enter the network identifier ("SSID"): **Ihotse**.

In case of connection problems set the configuration to *open authentication* and *no WEP/no encryption*.

Open wlan.ihs.ac.at in your web browser:

- IHS-Users: Enter your *IHS userID* in combination with your password to get started.
- Short-term visitors and guests without "IHS-Guest-Account": Make sure to request an "IHS-Surf-Account" from the IT-department in advance via hotline@ihs.ac.at. Enter surf user name and surf password to get started. You will have "web surfing only" access to the Internet.

b) Wi-Fi "eduroam"

Features: "eduroam" ("Education Roaming") allows students, researchers and staff from participating institutions to access the wireless network at **any** other participating organizations' facilities.

Full access to network resources (H:, U:, J: and printing) in combination with *IHSSVPN* (see below).

Access to SSH/SCP/FTP, access to IHS webmail.

How to: Select **eduroam** as network identifier ("SSID") and set encryption to **WEP encryption**.

- Guests who are members of another participating organization may use eduroam at IHS, entering their own home institution's credentials (e.g. user@organization.ac.eu +

- password) on their network manager.
- IHS-members may use eduroam at IHS or at any other participating organization using their IHS credentials (userID@ihs.ac.at + IHS-password).

Note: For detailed documentation see www.ihs.ac.at/it.

2. LAN-Access via LAN-cable (only recommended if Wi-Fi is not available)

Prerequisites: A computer equipped with a 10/100/1000 MBit Ethernet Adapter; Operating system supporting TCP/IP networking (Windows, OS X, ...); Twisted pair network patch cable (may be borrowed from IHS-IT).

Features: Access to the internet.

Access to network resources (H:, U:, J: and printing) in combination with *IHSPVPN* (see [below](#)).

Access to SSH/SCP/FTP, access to IHS-webmail.

How to:

- First things first: Unplugging any of the institute's IT equipment is strictly forbidden, and will result in failing internet connection due to technical restrictions!
- Locate a **“yellow” marked wall socket** in your working room.
- If you can't find a yellow socket in your room, contact the IT department (ext. 222 or hotline@ihs.ac.at). IT will see whether such an access is available for you and will set it up where possible.
- Connect the notebook to the wall socket, then start up the operating system.
- You will now have Internet access.
- In case of connection issues configure your computer's network settings for **auto configuration (DHCP)**: *Internet Protocol (TCP/IP) – Obtain an IP address automatically (default) – Obtain DNS server address automatically (default)*.

3. Access from your home or from abroad

Prerequisite: Internet connection, prior activation of *Remote Desktop* by IHS-IT, your PC number.

Features: Full access to your PC and software, including H:, U:, J:, printing, email etc.

Note: For remote access to your office PC and installed programs at IHS please contact IHS-IT (hotline@ihs.ac.at) and consult our online documentation: www.ihs.ac.at/it.

4. Further IHS network resources

Prerequisite: Internet connection.

a) “IHSPVPN”: Access to network drives and printers

Features: Full access to IHS network resources (H:, U:, J:), IHS network printers, the Internet. Remote desktop access to your IHS office PC. (Request authorization via hotline@ihs.ac.at)

How to: Install the most recent version of **IHSPVPN software** for Windows on your equipment or set up IHSPVPN on your machine (Mac or Linux). Use your valid IHS userID and password (IHS-members) or IHS guest account credentials (guests) to connect to IHSPVPN.

IHSVPN works in the following combinations: *Ihotse + IHSVPN*; *eduroam + IHSVPN*; IHS-LAN cable + *IHSVPN*; any other kind of internet connection outside IHS (e.g. your home internet connection) + *IHSVPN*.

Note: Documentation on IHSVPN (including installation and use of network drives H:, U:, J: and network printers) and on remote desktop access can be found at our online documentation pool: www.ihs.ac.at/it.

b) File access via SSH/SCP/FTP

Prerequisite: IHSVPN required.

How to: SSH/SCP-access to the Unix-Server *jupyter.ihs.ac.at*

c) IHS-webmail

Features: IHSVPN **not** required

How to: Access to your personal HIS -mailbox via IHS-**OWA** (owa.ihs.ac.at); alternatively, via proper configuration of your IMAP email client (e.g. Outlook, Thunderbird)

Note: Please find out more about our IT services online www.ihs.ac.at/it.

Question: What are the restrictions and what CANNOT be done?

Answer:

- You must not plug your computer's network cable into a random LAN socket at IHS.
- It is strictly forbidden to unplug any IHS device.
- IHS-IT cannot offer any installation and/or execution of software supplied via the institute's network on your personal equipment. For remote access to your office PC at IHS please contact IHS-IT (hotline@ihs.ac.at) and consult our online documentation: www.ihs.ac.at/it.

Question: What else is there to consider?

Answer: There are certain tasks which are (mostly unnoticeably) executed on IHS PCs, e.g. updates of virus tables at regular intervals, installation of patches for operating system and software packages. These tasks are not scheduled on personal equipment.

It is in your own interest to provide for similar tasks on your personal equipment. In particular **adequate virus protection of your personal equipment must be a top priority.**

Note: **IHS-IT staff is neither responsible for any personal equipment nor actively supporting its setup or operation.** Please understand that IHS-IT cannot offer support in case of problems with your personal equipment.

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