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; e-mail.
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 WLAN 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. WLAN Access (Wireless LAN)
Prerequisite: A personal computer equipped with WLAN-adapter (internal or external).

a) WLAN via “lhotse”
Features: Easy to configure; restricted services (“Web surfing only”) Recommended to short-term visitors.
Full access to network resources (H:, U:, J: and printing) in combination with IHSVPN (see below).
Access to SSH/SCP/FTP, access to IHS-webmail.

How to: In your network configuration, enter the network identifier (“SSID”): lhotse. (The rest—WLAN-parameters open authentication and no WEP/no encryption—usually will work by your system’s default network settings.)
A browser window will open:

- IHS-Users and Guests with “IHS-Guest-Account”: Enter your IHS-UserId in combination with your (guest-) password into the browser login mask to get started.
- Short-term visitors and guests without “IHS-Guest-Account”: Please 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. Due to security reasons you will have “Web surfing only”-access to the Internet; any other services are blocked.

In case your browser does not launch automatically, open your browser and go to wlan.ihs.ac.at to authenticate.

b) WLAN via “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 IHSVPN (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](http://www.ihs.ac.at/it).

2. **LAN-Access via LAN-cable (only recommended if WLAN 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 IHSVPN (see below). Access to SSH/SCP/FTP, access to IHS-webmail.

   **How to:**

   a. Locate a “yellow” marked wall socket in your working room.
   b. If you can’t find a yellow socket in your room, contact the IT department (Ext. 222 or hotline@ihs.ac.at) to check whether such an access is available for you and to get it configured by them. Unplugging any of the institute’s IT-equipment is not only strictly forbidden, but will also result in failing internet connection due to technical restrictions!
   c. First connect the notebook to the wall socket. Then start up the operating system.
   d. Configure the network settings for auto configuration (DHCP): Internet Protocol (TCP/IP) – Obtain an IP address automatically (default) – Obtain DNS server address automatically (default).
   e. You will now have Internet access.

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](http://www.ihs.ac.at/it).

4. **Further IHS network resources**

   **Prerequisite:** Internet connection.

   a) “IHSVPN” - 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 IHSVPN software for Windows on your equipment or set up IHSVPN on your machine (Mac or Linux). Use your valid IHS-Userld and password (IHS-members) or IHS-Guest-Account credentials (guests) to connect to IHSVPN.
IHSVPN works in the following combinations: *lhotse* + 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](http://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 IHS-mailbox via IHS-OWA ([owa.ihs.ac.at](http://owa.ihs.ac.at)); alternatively, via proper configuration of your IMAP-mail client (e.g. Outlook, Thunderbird)

**Note:** Please find out more about our IT services online [www.ihs.ac.at/it](http://www.ihs.ac.at/it).

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

- You may 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](mailto:hotline@ihs.ac.at)) and consult our online documentation: [www.ihs.ac.at/it](http://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 should be at the top of your agenda](mailto:).

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

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