

Service description Networks and connections



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Requests, failure reports and repairs

Please contact us via email servicedesk@id.ethz.ch or phone +41 44 632 77 77

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Service Information and Update

Blog eintrag

Network connectivity data center (UTP, Fiber)

Description

Data communication in the server rooms (DC) at ETH Zurich is an exclusive task of ICT-Networks. These operate to a redundant, high-performance network of active components.

Customer Benefits

The data network (In DC) is primarily the “server maintainer” for business at ETH. ETH related units (spin-offs, student organisations, cooperation partners etc.) can also use the service in according with agreed terms.

Customer Groups / Cost / Order

The service is available to all ETH organisational units free of charge. The first point of contact for all support issues in data networks is your computer Science Support group/ ISG (department contacts). Visitors, students and other groups without an ISG can contact the Service Desk.

Network connectivity office (Wi-Fi, UTP)

Description

The data communications at ETH Zurich is the exclusive responsibility of the ICT-Networks section. They operate a comprehensive, powerful and reliable Ethernet-based IP / IPv6 network of active components for the Wi-Fi (WLAN) and fixed network.

The IT Infrastructure and Installation group is responsible for the physical infrastructure (cabling, UCT-planning) of data and voice communications.

Customer Benefits

The ETH data network provides employees and guest at ETH with internet and intranet access. ETH related units (spin-offs, student organisations, partners, etc.) can use the service in correspondence with agreed user conditions.

Customer Groups / Cost / Order

The service is available to all ETH members free of charge. The first point of contact for all support issues in regards data networks is your IT Support Group (ISG). For students and other groups without an ISG the Service Desk is the first point of contact.

Network connectivity remote (VPN, iPass, Wi-Fi, Data Roaming)

Description

VPN

For the encrypted remote connection to the data network of ETH Zurich the ITS ICT-Networks section operates a VPN Gateway. This VPN connection is the basis of the PWLAN.

eduroam

Members of many universities and colleges can use the WIFI (SSID "eduroam") at ETH.

iPass

The approval process and support for iPass is handled by the Service Desk. The documentation and the application form are available on request. To the Service Desk

Customer Benefits

Through using an encrypted remote connection (VPN), the user receives an IP address from the official ETH Zurich domain. This allows the user access to certain Services at ETH Zurich.

With PWLAN or "eduroam" users can access the wireless infrastructure of other organisations free of charge.

Customer Groups / Cost / Order

The service is available to all ETH Zurich employees for free. The first point of contact for all support issues in regards data networks is your IT Services Support Group / ISG (department contacts). For students and other groups without an ISG the Service Desk is the first point of contact.

Proxy

Description

A proxy is a server that acts as an intermediary for requests from clients seeking resources from other servers.

As an intermediary between different network segments, the proxy facilitates the communications between parties that normally cannot or are not allowed to communicate directly.

ETH Zurich offers a local proxy (proxy.ethz.ch) for network segments that cannot communicate directly with the Internet.

Customer Benefits

The proxy allows computers that are not directly connected to the Internet to make use of internet services. An example of such computers, are the computers in a private IP-address range.

To allow broader access to scientific publications for ETH employees, the IP-address of the proxy server is registered with several publishers of academic publications. By connecting via the proxy, the ETH employees have access to these publications.

Customer Groups / Cost / Order

The internet proxy is available free of charge to all employees, lecturers, professors and students of ETH Zurich.