

Technical connection specification

This technical connection specification is a general specification for connection to the data network of the company Coolhousing s.r.o. (hereinafter "Provider") and describes the default configuration which is applicable unless stipulated otherwise in the Contract.

Basic provisions

Only IP addresses assigned by the Provider, on supported protocols, may be distributed within the Provider's network. The use of other IP addresses (local, other subnets or academic networks), or other unsupported networks or protocols, is undesirable.

Physical connection specification

The device is connected via ethernet technology, and the connection uses the interface set forth in the interface type specification; see below.

Autonegotiation setting

The device connected to the Provider's network must have an ethernet port set up for the autonegotiation of transfer speed and duplex mode. The forced setting of speed and duplex mode may lead to errors in transmission.

EtherChannel and LACP

The device can be connected using LACP 802.3ad technology. The device has LACP configured in active mode and has slow keep-alive speed set.

Protocol specification

The Provider's data network supports IPv4, IPv6, ARP, ICMP and ICMPv6 protocols.

IEE 802 STP protocols, and its variants DHCP, IGMP, CDP and VTP, are explicitly prohibited in the Provider's data network.

Port security

The following security policies are set on the ports in the default state:

Port security

In the default state, 50 MAC addresses can appear behind the device. If the limit is exceeded, the port is switched off and support must be contacted.

Storm Control

If the broadcast and multicast Packets exceed a limit of 10% of current operation, the port is switched off and support must be contacted.

BPDU Guard

If a BPDU frame appears on the port, the port is switched off and support must be contacted.

ARP cache

An ARP cache is set on the routers for 1 hour. If, therefore, there is a change of MAC address for an already used IP address, then the change must be reported by using a gratuitous ARP.

Device specification

The device can broadcast 0x0800 (IPv4), 0x0806 (ARP) and 0x86dd (IPv6) ethernet frames. Receipt of other types of ethernet frames is not supported. The device must also behave according to the Provider's Terms and Conditions, which primarily means restriction of the use of unsupported or prohibited protocols, and it will use only unicast communication, except for ARP and ICMPv6 protocols. If the device endangers the functionality of the Provider's infrastructure, then the Provider is entitled to limit the provision of the service as per the Terms and Conditions.

Connection to the Provider's network

Using other network settings (IP addresses) than those assigned by the Provider, or otherwise attempting to disrupt or overload network communication or the Provider's actual network, is prohibited.

Operation of addresses from the Provider's range

This is the default connection to the Provider's network. Every device connected to the Provider's data network must have an IP address set for the IPv4 protocol, IPv6 protocol, or both protocols simultaneously. The IP address settings include a default gate, DNS servers (always at least 2), and network mask.

Operation of own Autonomous System (AS)

The operation of a Customer AS can only be realised on a separate/reserved uplink to the Provider's network. As part of the realisation, the Customer will receive a connecting subnet from the Provider's address range, with BGP routing support. A connecting subnet of size /29 is used for the IPv4 protocol, while a subnet of size /64 is used for the IPv6 protocol. Both protocols can be used within the scope of one uplink. The connecting IP address settings include an IP address, network mask and default gate. The client must make the correct entries in the appropriate IANA register as per the Provider's instructions. The Customer has the option of using the Provider's cache DNS servers, but they must inform the Provider of this fact.

Operation of own subnet without an Autonomous System (AS)

The operation of Customer IP addresses without the Customer AS can only be realised on a separate/reserved uplink to the Provider's network. As part of the realisation, the Customer will receive a connecting subnet from the Provider's address range, including the provision of routing services. A connecting subnet of size /29 is used for the IPv4 protocol, while a subnet of size /64 is used for the IPv6 protocol. Both protocols can be used within the scope of one uplink. The connecting IP address settings include an IP address, network mask and default gate. The client must make the correct entries in the appropriate IANA register as per the Provider's instructions. The Customer has the option of using the Provider's cache DNS servers, but they must inform the Provider of this fact.

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