**Eduroam (EN)**

**Budišov Elementary School is connected to the Eduroam system**

[*Eduroam*](https://www.eduroam.cz/) is an international project dealing with support of mobility and roaming in the National Research and Education Network (NREN). This project is roofed by the [CESNET](https://www.cesnet.cz/) Association in the Czech Republic. Our school/institution got connected to the project in 2021. This was another step taken to increase the quality of assurance of the study and reputation of the institution.

**One account. Anywhere.**

A registered participant can use this wireless network (in any place where it is available) with the help of one user account. The account administration is carried out by the home (establishing) organisation.

The use of roaming is simple, the properly set equipment of the participant is connected automatically, as soon as the Eduroam network is available. In a similar way like the mode in which the connection to foreign networks of mobile operators is functioning within the framework of the roaming system. This principle gives also the acronym: **edu**cation **roam**ing.

The service is free of charge for all the participants.

**Eduroam account activation**

The *Eduroam* system uses a username consisting of two parts – the actual user name and a realm. You will add the @ sign and the zsbudisov.cz realm following the user name to the use of which you are accustomed from other systems of the school/institutions. Before you are able to use the roaming, you will have to set the Eduroam password as well.

**Setting of user devices for connection to the Eduroam system**

For **safe connection to the *Eduroam* systemit is not sufficient to enter the name and the password**. You must set the certificate control as well, the easiest way of how to do it is with the help of the [CAT Eduroam](https://cat.eduroam.org/), see the [documentation on eduroam.cz](https://www.eduroam.cz/cs/uzivatel/sw/uvod).

You will need the following information for manual settings:

* Network name (SSID): eduroam
* Connection protocol: 802.1x
* Security and encryption: WPA2/AES
* Authentication: PEAP (alternatively TTLS)
* Internal authentication protocol: MS-CHAPv2
* Name of the RADIUS server: radius.zsbites.cz
* Certification authority: [DigiCert Assured ID Root CA](https://pki.cesnet.cz/certs/chain_TERENA_SSL_CA_3.pem%22%20%5Co%20%22https%3A//pki.cesnet.cz/certs/chain_TERENA_SSL_CA_3.pem)
* The IP address is assigned automatically by using the DHCP protocol

**Areas covered**

*Eduroam* is broadcast in all the classrooms, cabinets and corridors.

**Filtering of the operation**

The school operation is filtered in accordance with legal regulations of the Czech Republic.