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# Access system

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Interface between the Charles University information system and individual local access systems at faculties or other parts of the Charles University is formed by the LDAP database, which serves as a CAS (Central Authentication Service), uses data from the information system and distributes them, in a standard manner, to local systems of individual faculties and parts of the Charles University. Faculties and other parts of the Charles Universities can thus synchronise their data about users whom they wish to grant certain access rights to their buildings and facilities (e.g., auditoria, laboratories, etc.). Regarding the control of access, the system is structured in such a way that personal data are kept and determined in the central part of the system while access rights are set at local installations of access points of individual faculties and other parts of the Charles University (i.e., in local systems and controllers). This solution enables continued operation of local systems in case of interrupted connection with the centre. Moreover, this set up also allows the central system to efficiently incorporate other ('external') access systems. In particular, this concerns the existing functioning systems at the Faculty of Mathematics and Physics, Faculty of Science, and Faculty of Education. For the Aktion system of EFG Company, Ltd. Which was selected by a tender, certain key demands were set which required an adjustment of their generic access system to enable a link to the central LDAP database. These adjustments had been implemented. Faculties which linked into the system with their own interface also adjusted their systems so as to enable a link with the CAS. Other adjustments of access systems (that is, adjustments arising from experience with running initialisation packages at various faculties) will be carried out in subsequent projects.