

**ABSTRACT:**

The diploma thesis is focused on mapping and analysis of the possibilities of using cloud computing from the point of view of a pedagogical worker at a level of higher secondary education by using a suitable method of evaluation and comparison of cloud technologies. A part of the work is devoted to ICT competences of teachers and possibilities of their further development in the field of cloud computing, withal focusing on models and programs of ICT competencies development, more precisely digital competences of national and international significance. In the practical part of the thesis, a research is carried out among pedagogical staff at secondary schools in the Czech Republic which is focused on the use of cloud computing with emphasis on competence, activities and work of pedagogical worker. The results of the research are summarized as recommendations for further practice.