The overall theme of the thesis is the current state of Internet portals (gateways) dedicated to electronic information resources at Czech academic libraries. The purpose of such portal (or sites within academic library web pages) is to form a gateway to every electronic resource available within the university. In the theoretical part of the thesis history, purpose and components of such portals are described followed by the typology and organization of electronic information resources used at library portals in the USA and other mainly English speaking countries. The following part of the thesis is a practical application where 6 selected portals are first analyzed then compared with each other according to 5 criterions described in the previous part: organization of its resources, readability, consistency, usability and presence of additional functions or services. Subsequently by applying the method called "Thinking Aloud" usability testing of two selected portal is performed. The aim of the paper is not only to map the current state of portals but also to present methodology for analysis of other similar portals.