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Title: **Elements of today's library information technology**

The library is always an archive of today's knowledge, continuously seeking solutions for the emerging questions of its information technology.

Among those the most important problems we can identify are the following: mass data handling, different archiving techniques, different databases, controlling traditional and electronic documents, communicating to different electronic collections, identifying similarities and links between various electronic resources, presenting service categories, preserving archived information and fast changing of communication technologies…

We'll discuss these, presenting the outlines of the information technological elements crystallised in the international library practice, showing solutions embedding the traditional integrated library systems into the surrounding environment i.e. how it communicates with 'foreign' libraries, using metasearch and context sensitive interlinking technology to access open electronic resources, how it manages digital assets or integrates surrounding applications (e.g. authentication systems, mobile technology etc.) in the way they appear in a modern library environment.

We demonstrate that via methods applied by Ex Libris in the MetaLib, SFX, DigiTool, Verde software suit with strong adherence to vital standards as z39.50, OpenURL, XML, METS, Dublin Core, LDAP, Kerberos, etc.