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SOFTWARE FOR MANAGEMENT AND CONTROL OF A WIRED TELEPHONE NETWORK

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It is about the design and the development of a 3-tiered software system for the management and control of a wired telephone network. The purpose is to optimize the stream of data in the wired network as well as to centralize and simplify the management of the network. The nodes in the network are called commutators which serve for tracing and managing the stream of data.

The software system is 3-tiered: user interface, system interface and operational scripts. The operation system is IBM AIX UNIX, the DBMS is ORACLE. For the user interface and the system interface are used JAVA and XML. For the operational scripts where is the interface with the database is used PERL.