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DEVELOPMENT OF AN INTELLIGENT AGENT FOR THE DESIGN OF LOCAL AREA NETWORKS

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Abstract. In this paper we present a method for the development of an Intelligent Agent to assist in the design of Local Area Networks (LAN), a sub-domain of systems integration domain. We define the problem of LAN configuration design and describe a multistrategy machine learning approach for building the intelligent agent which includes domain modeling, ontology creation and the teaching of the agent. In conclusion, the experimentation, results and the future direction are presented.