Hub de Integração de Sistemas de Informação

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BACKGROUND: Over the last few years we are experiencing a tecnology revolution, new devices, new tecnology, cloud and a new paradigm arrive to challenge software houses. They need to be fast changing, customization and offer a large number of integrations to make customer work easier.

Enterprise Application Integration start more than 30 years ago, with single systems and simple conections, however, evolved to really complex systems as cloud usage increase. With this change, new opportunities emerging, but at the same time, big challenges, as the diversity of systems, diversity of API with different ways of communication turns the work difficult to the companies that create those integrators.

OBJECTIVES: Create a middleware API between information systems, that allows one single bidiretional language to communicate with these systems, providing a single point of connection. This solution will also be performed to provide an application market place and will offer a reduce cost.

METHODOLOGY: The methology adopted is "Design Science Reasearch", this methology is based on concept profe by artefact principles, is a efficient, accurated and easy to apply. This methology was selected because it is appropriated to the software development process.

RESULTS AND CONCLUSIONS: It will be developed a web API to communicate with at least two systems and perfectly integrated with them, where it will be possible communications by http requests. It will be also developed a single app prototype to demonstrate the concept.

Keywords: Information System, Interation, EAI, EIP, API, ERP, Cloud, Integration Patterns