



## A Case Study of the Adoption of Cloud Computing Technologies by the Portuguese Enterprises

José Martinho Martins Araujo

**BACKGROUND:** Cloud computing could be defined as the delivery of on-demand computing resources—everything from applications to datacenters—over the Internet on a pay-for-use basis.

A recently survey conducted by Gartner Research indicated that about two-thirds of the average corporate IT staffing budget goes towards routine support and maintenance activities. Cloud computing can reduce infrastructure costs and energy savings as well reduced upgrades and maintenance costs.

**OBJECTIVES:** Determine if the Portuguese Enterprises are adopting Cloud Computing Technologies and what are the determinants that lead to that adoption; Determine the Portuguese industry sectors and types of enterprises that are currently adopting Cloud Computing Technologies; Create a guide for all Enterprises to use, that explains, step-by-step, how should they change from monolithic systems to Cloud Systems and what are the advantages of that change.

**METHODOLOGY:** A study of the State of the Art and a Survey Study and subsequent qualitative and quantitative analysis

**RESULTS AND CONCLUSIONS:** To gain a greater insight into the Cloud Computing Tools and Technologies used by Portuguese Enterprises, and the determinants that lead a company to invest in them; Understand why some Enterprises are avoiding the Cloud Computing solutions and Educate them on the advantages of the Cloud Systems and eliminate the stigma that still exists on this topic; Contribute to fill the gap of knowledge about the adoption of Cloud Computing services by the industry.

**Keywords:** Cloud, Computing, Determinants, Enterprises, Adoption.