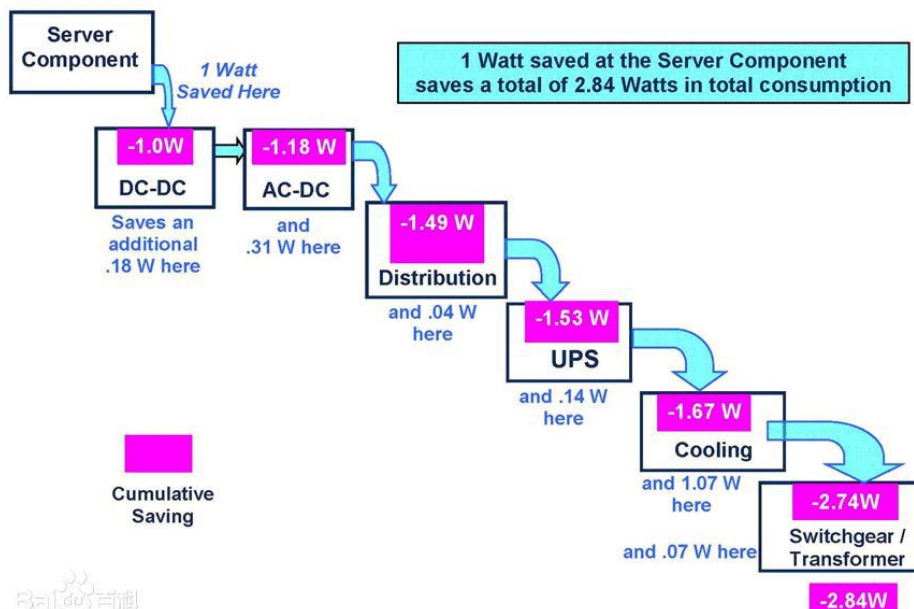# Software Project Management

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Software Project Management

Introduction

Software project management is the art and science of planning and leading software projects. It is a sub-discipline of project management in which software project are planned, implemented, monitored and controlled. It enables you to manage and deliver complex projects on time and within budget. Most importantly, it enables you to create better software solutions more reliable, scalable and efficient. This article gives a brief introduction to software project management and project management in general.

History

In the 1970s and 1980s, the software industry grew very quickly, as computer companies quickly recognized the low cost of software production compared to hardware production and circuity. To manage new development efforts, companies applied the established project management method, but project schedules slipped during test runs, especially when confusion occurred in the gray zone between the user specification and the delivered software. To be able to avoid these problems, software project management methods focused on matching user requirements to delivered, in a method know now as the waterfall model.

Figure 1: Waterfall model-the classic waterfall approach to programming. The waterfall model uses a series of phases to move the project along. Each phase creates a deliverable, usually a document that captures what the phase has accomplished.

Overview

We need to look at some key ideas about the planning ,monitoring and control of software projects.Projects to produce software are worthwhile only if they satisfy real needs and so we will examine how we can identify the stakeholders in a project and their objectives .Identifying those objectives and checking that they are met is the basis of a successful project.This ,however ,cannot be done unless there is accurate information and how this is provided will be explored.

Summary

In this report ,I introduce you what is software project management.And the most important part is the three sub-discipline of software project management.They are planning, monitoring and control.Everyone who is learning SPM should clearly know there three knowledge points.