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Project Controls Infrastructure.

This paper looks at a Project Controls Infrastructure that I designed and implemented for a Global Engineering Consultancy organization involved in Natural Resources (Oil and Gas), Clean Energy, Transmission and Distrtibution and Environment & Infrastructure. The Company has an order book in excess of £4.8B

The objective was to produce an environment that would service the Project Life cycle from estimating, scheduling, cost management, risk management and schedule quality/compliancy/ integrity.

This paper is a high level overview and will be supplemented with details of the selection process and an overview of the functionality of the applications.

Software Comfiguration

Primavera EPPM

Three Instances of Primavera EPPM Version 6.8.4 are configured, Production, Development and Sandbox. Web and Client applications are available on each instance, Job services, Web Services and API are also be set up.

PrismG2

PrismG2 Cost Management, engineering and Document Control Modules are installed on the same server as Primavera EPPM.

CostOS

CostOS is installed and configured on the same server as Primavera EPPM.

Deltek Acumen Fuse

Deltek Acumen Fuse is locally installed on the System Architects local domain.

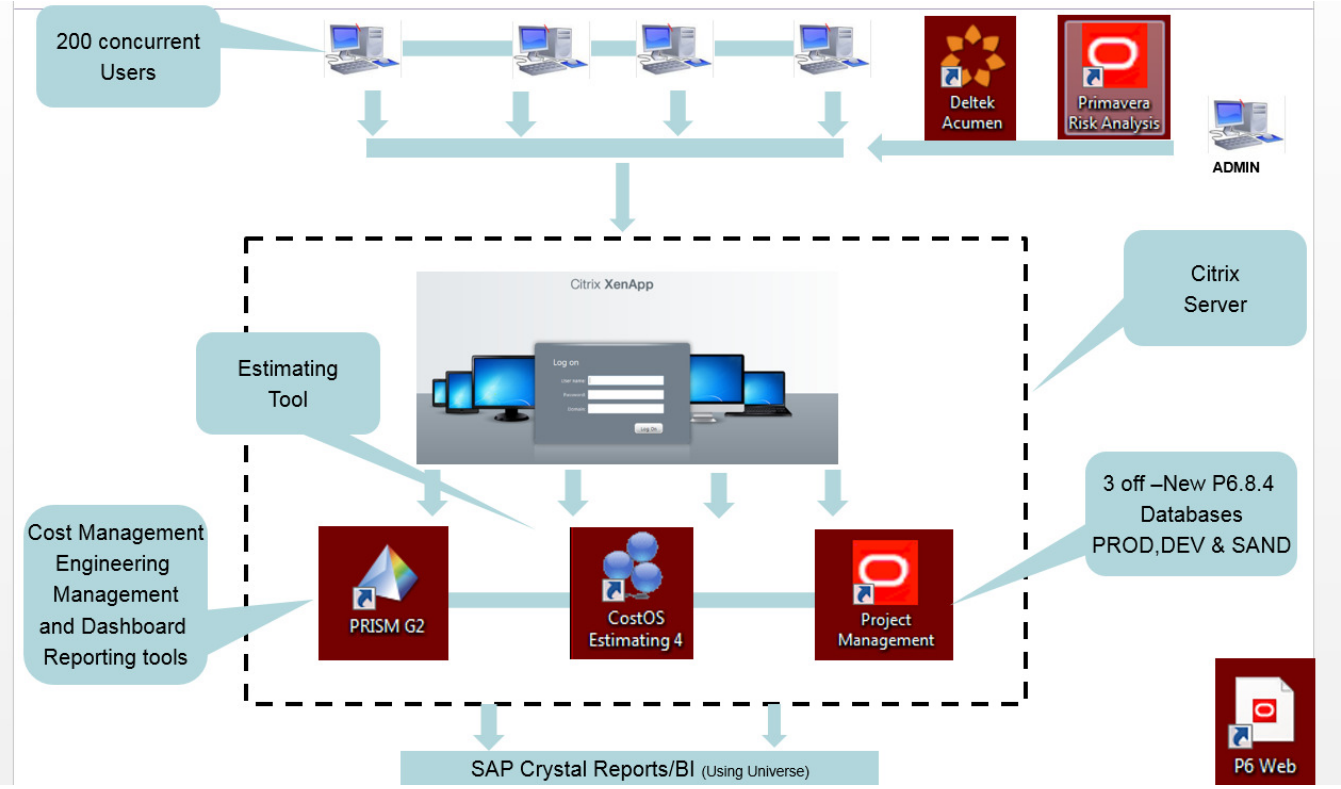
Primavera Risk Analysis

Primavera Risk Analysis is locally installed on the System Architects local domain.

Hardware

Four balanced servers are utilized, each with 4 Processors, each processor having 20Gb RAM. This will ensure ultimate performance for up to 200 concurrent users.

System Design



System Overview

The whole system is based around the Primavera EPPM Database. Circa 6 months were required to look at the Cost and Estimating applications currently on the market, all were required to run via Citrix on an Oracle platform.

Several software vendors were invited to produce demonstrations of their products against a high level requirements specification. This was followed by Proof of Concept trials and User Acceptance Testing.

Once the applications were chosen the user community was given formal training courses, the hardware environment was built, packaged, tested and rolled out to the user community.

The system has been adapted to manage joint ventures, i.e. third party companies have controlled access to all the applications.