

Project Management Methodology Overview

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Presentation Outline

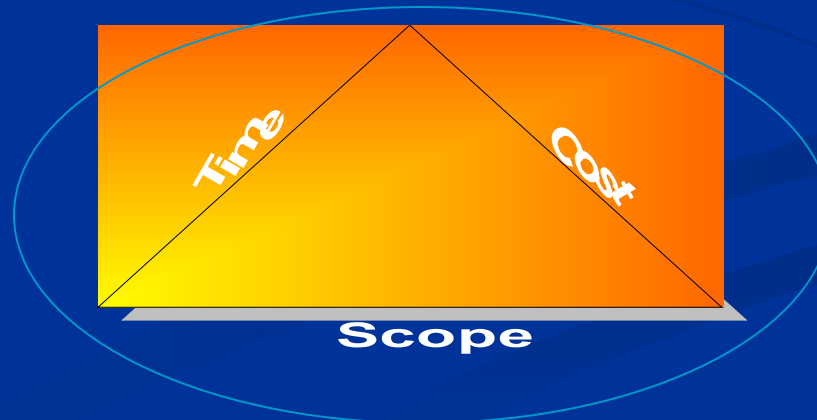
- What is a project?
- What is project management?
- What is PM methodology? And why we need it?
- Project management processes
- Sample project
- Lessons learned
- Prince2

Project

- A **Project** is a *temporary* endeavor undertaken to create a unique product, service or result. **ALL** Projects have three ingredients:
 - **Specific Outcomes:** Ex: Product such as car.
 - **Definite Start and End Dates (Schedule):** Dates when project work begins and when it ends.
 - **Resources:** Required amount of people, funds, equipments, facilities and information.

Project Management

- Project Management is the application of knowledge, skills, tools and techniques to project activities in order to meet or exceed stakeholders' needs and expectations from a project.
- Project management is the discipline of organizing and managing resources in such a way that the project is completed within defined scope, quality, time and cost constraints.



Project Management (cont'd)

- Project management is quite often the province and responsibility of an individual Project Manager.
- Project management is the ability to define, schedule and assign project activities; record project issues; monitor progress and report changes in activity accomplishment and issue resolution; and maintain and control changes to designs, plans and issue lists.
- Project management techniques CAN be applied to ongoing operations.

What is Project Management Methodology?

- A *Methodology* tells you what you have to do, to manage your projects from start to finish. It describes every step in the project life cycle in depth, so you know exactly which tasks to complete, when and how. Whether you're an expert or a novice, it helps you complete tasks faster than before.
- A *Methodology* is a body of practices, procedures, methods and phases used by those who work in a discipline. A methodology for a project is about managing the project activities.

Why do you need one?

- As a Project Manager, you need a Project Management Methodology to steer your projects in the right direction and keep them on track. You also need it to help you manage your projects in a structured, repeatable fashion. That way, you can apply the same approach to every project you undertake. *It provides high-level PM framework.*
- PMI
- Prince2
- MPMM
- TenStep



Project Management Processes

- Initiation
- Planning
- Executing
- Monitoring & Controlling
- Closing

**Based on
PMBOK**

- “The PMBOK® Guide is not a methodology, a how-to or a specific set of procedures.” It provides a basic foundation of the knowledge areas required for a project manager to be successful, but is not a methodology that you can utilize to manage a project directly.

Sample Project – Texas Food

- Texas food is a name for project I worked in with Emirates Computers Co. in Dubai – UAE.
- My role was a project manager and technically system and network engineer.
- The project goal was to install and configure Cisco devices, dell servers with all required software, migrating windows 2000 servers, database servers with VPN capability and many other requirements.

Sample Project

■ Initiation Process

- What is it and why are we doing it?
- What will the project create/implement?
- How will the success of the project be measured?
 - Keep in mind that the measure of success here is not how many people use Illinois in a Box, but rather does the project meet the objectives and did it come in on time and on budget.
- What are the risks and issues?

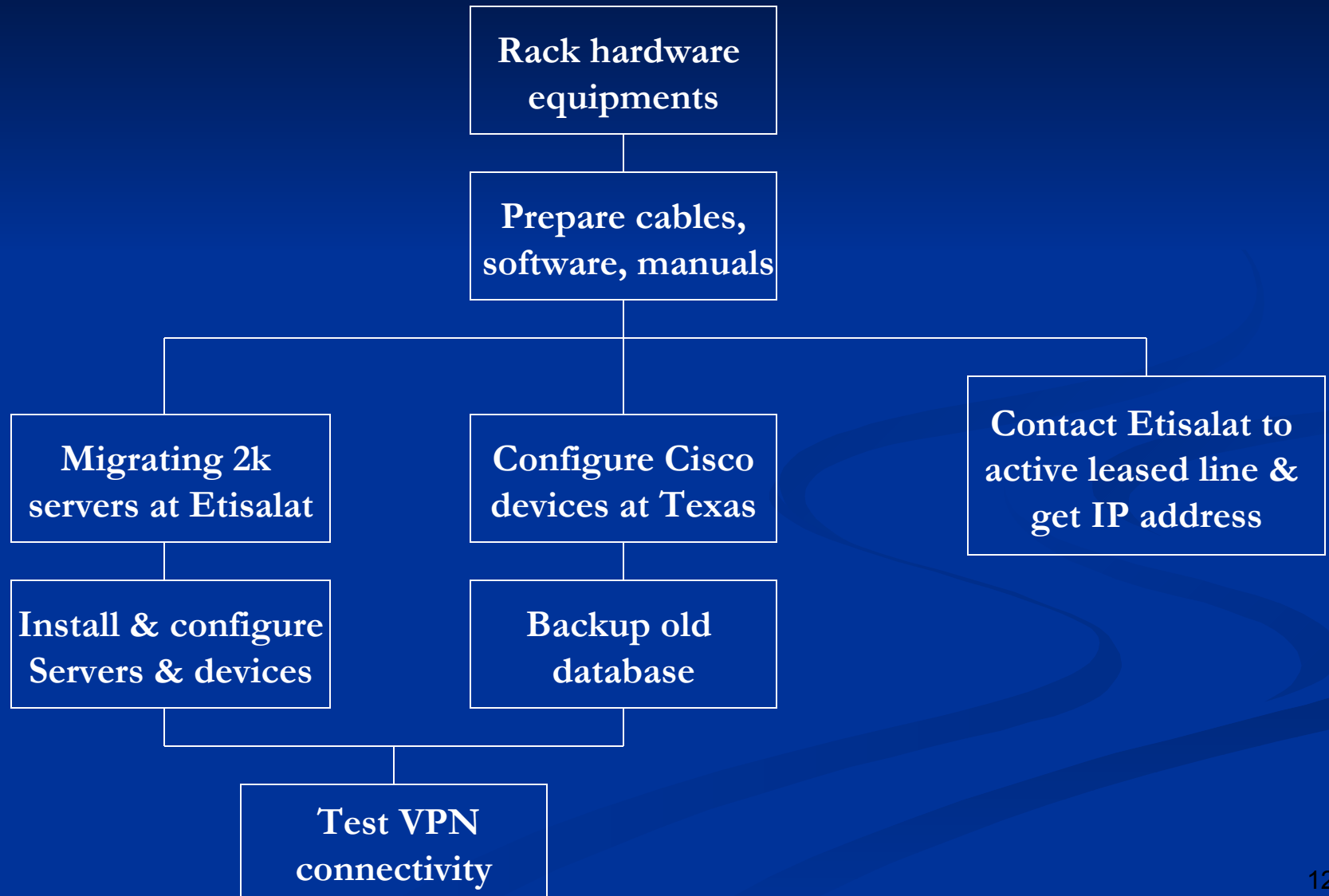
Sample Project

■ Planning Process

- What are the tasks that need to be completed?
- How long will they take?
- How will change requests be handled?
- How will communications be managed? Risks? Issues?
- What is the budget?
- Any quality plan?



Sample Work Breakdown Structure



Sample Project

■ Executing

- Begin the work to setup the network.
- Ensure common understanding of the work
- Follow communications management plan for communicating project status.
- Manage changes.
- Monitors and reports project progress.
- Obtain needed training for team members.

Sample Project

- Monitoring & Controlling
 - Measure project performance according to PM plan.
 - Determine variances and take corrective actions.
 - Approve changes, defect repair, preventive and corrective actions.
 - Report on project performance to all stakeholders.
 - Manage time and cost reserve.
 - Obtain formal acceptance of deliverables.

Sample Project

- Closing
 - Complete all activities.
 - Document Lessons Learned (LL).
 - Turn finished product over to area that will have ultimate responsibility for it.
 - Measure customer satisfaction.
 - Release resources.
 - Celebrate with the team!



Part of LL

- Status report is valuable tool to keep everyone on track.
 - Keep customer update with key activities by all ways of communication.
 - Study briefly the elements of the signed project so no simple part make big delay & confusion.
 - Commitment and advance preparation to project team assigned activities is so important.
- (COMMUNICATIONS)

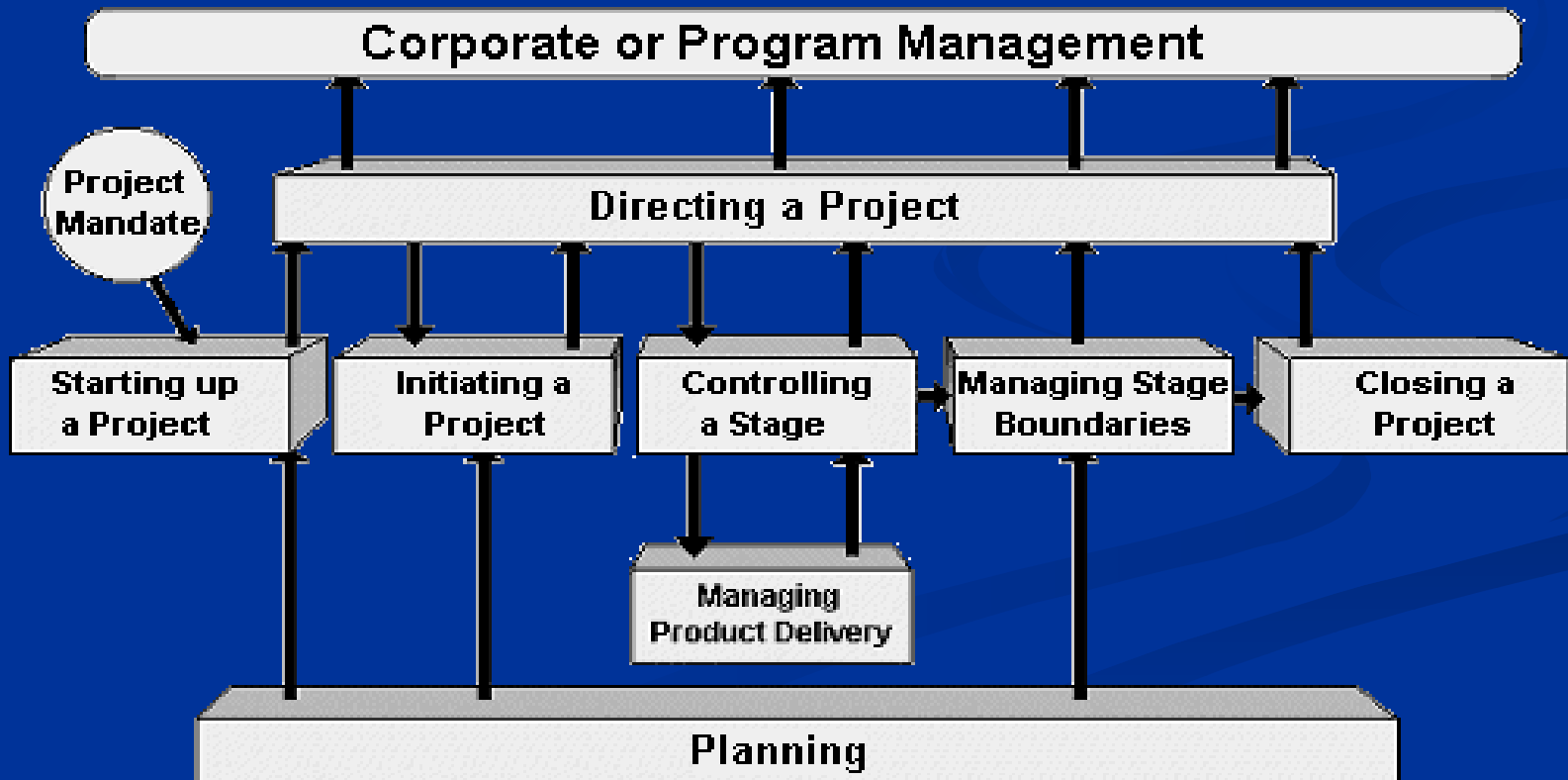


Prince2

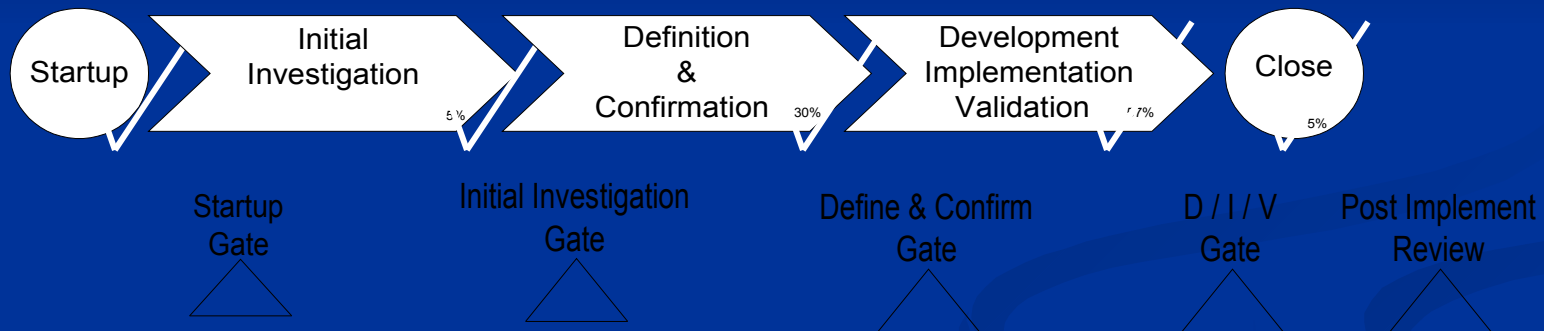
- PRINCE2 is the UK de-facto standard for project management developed by the government and used in both the public and private sectors.
- PRINCE2, **P**rojects **I**N Controlled **E**nvironments.
- Project stages and gates a feature.
- Improved responsibility, authority and accountability reducing confusion.
- Divide the project into manageable stages for more accurate planning.

Prince2 (cont'd)

- It's a project management methodology: "The planning, monitoring and control of all aspects of the project and the motivation of all those involved in it to achieve the project objectives on time and to the specified cost, quality and performance".



Project Management Methodology Flow



Thank you

Any question ?