Processor Management

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Chapter 1

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1.1 Introduction

> **Definition 1.1.1: Process**
>
> A program that has been given CPU time to execute. A program loaded into memory with a current activity.

> **Definition 1.1.2: Thread**
>
> A portion of a process that can be scheduled for execution, and runs independently of other threads within the same process.

1.2 Job and Process States

- HOLD STATE - The job is waiting to be brought into memory.
- READY STATE - The process is waiting to be assigned to a processor.
- RUNNING STATE - The process is being executed.
- WAITING STATE - The process is waiting for some event to occur (such as