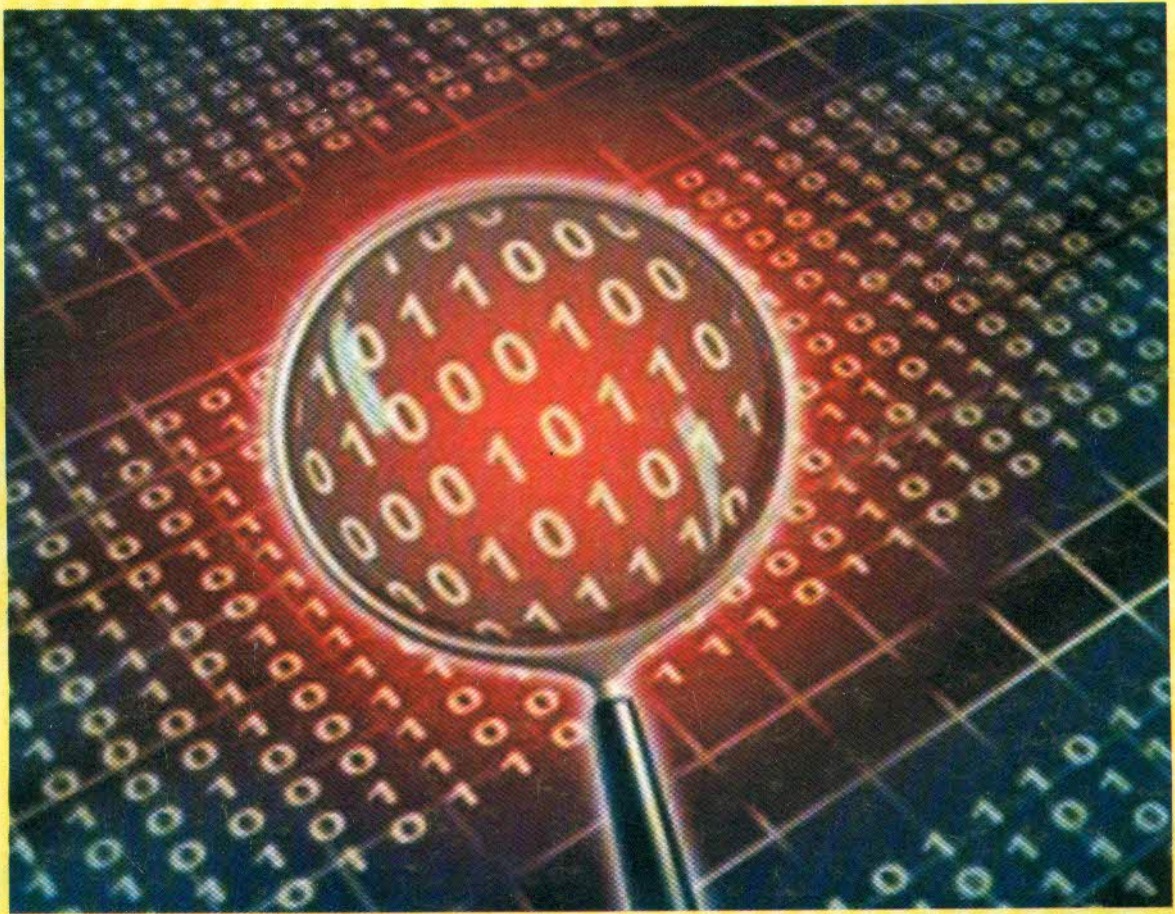




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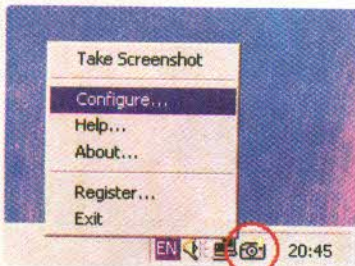
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UNIT 3 SNAPSHOT UTILITY

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- 3.1 Objectives
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 - 3.2.1 Storage Snapshots
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The Snapshot

IT administrators require *snapshots* to minimize the damage incurred during upgrade malfunctioning

3.0 INTRODUCTION

Snapshot utility, as the name suggests is a special utility that helps to capture snapshots or screen shots of requisite system states in to the picture files. This helps to generate and store system states so that they can be compared at different intervals of time and also restoration of an earlier state can be done easily if required. Various tools are available in the market under different headings for this purpose.

A **storage snapshot** is a set of reference markers or pointers, to data stored on a disk drive, on a tape or in a storage area network.

IT administrators require *snapshots* to minimize the damage incurred during upgrade malfunctioning

We have two types of storage snapshots these are copy-on-write (or low-capacity) snapshots and the split-mirror snapshots. A copy-on-write snapshot utility creates a snapshot of changes to stored data every time new data is entered or existing data is updated. A split-mirror snapshot utility references all the data on a set of mirrored drives. Every time the utility is run, a snapshot is created of the entire volume.

A **virtual machine snapshot** can be a valuable tool to IT administrators. They provide restore points, which can minimize the damage incurred during patch or upgrade malfunction, for example.

Using snapshots without understanding what they are and how they work can introduce disk space issues or malfunctioning virtual machines.

3.1 OBJECTIVES

After studying this unit, you should be able to:

- identify the meaning of snapshot utility;