

# SemaVision™ Data Capture Overview

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# Learning Objectives

## By the end of this course you will be able to:

- Define SemaVision DTC component
- Understand the DTC's process and architecture
- Be able to expose the DTC's key features and business benefits
- Situate DTC in the 3G world

# Course Agenda

- Part 1: The Concept
- Part 2: Process and Architecture
- Part 3: Key features and Business benefits
- Part 4: DTC and 3G

# Part 1

## The concept

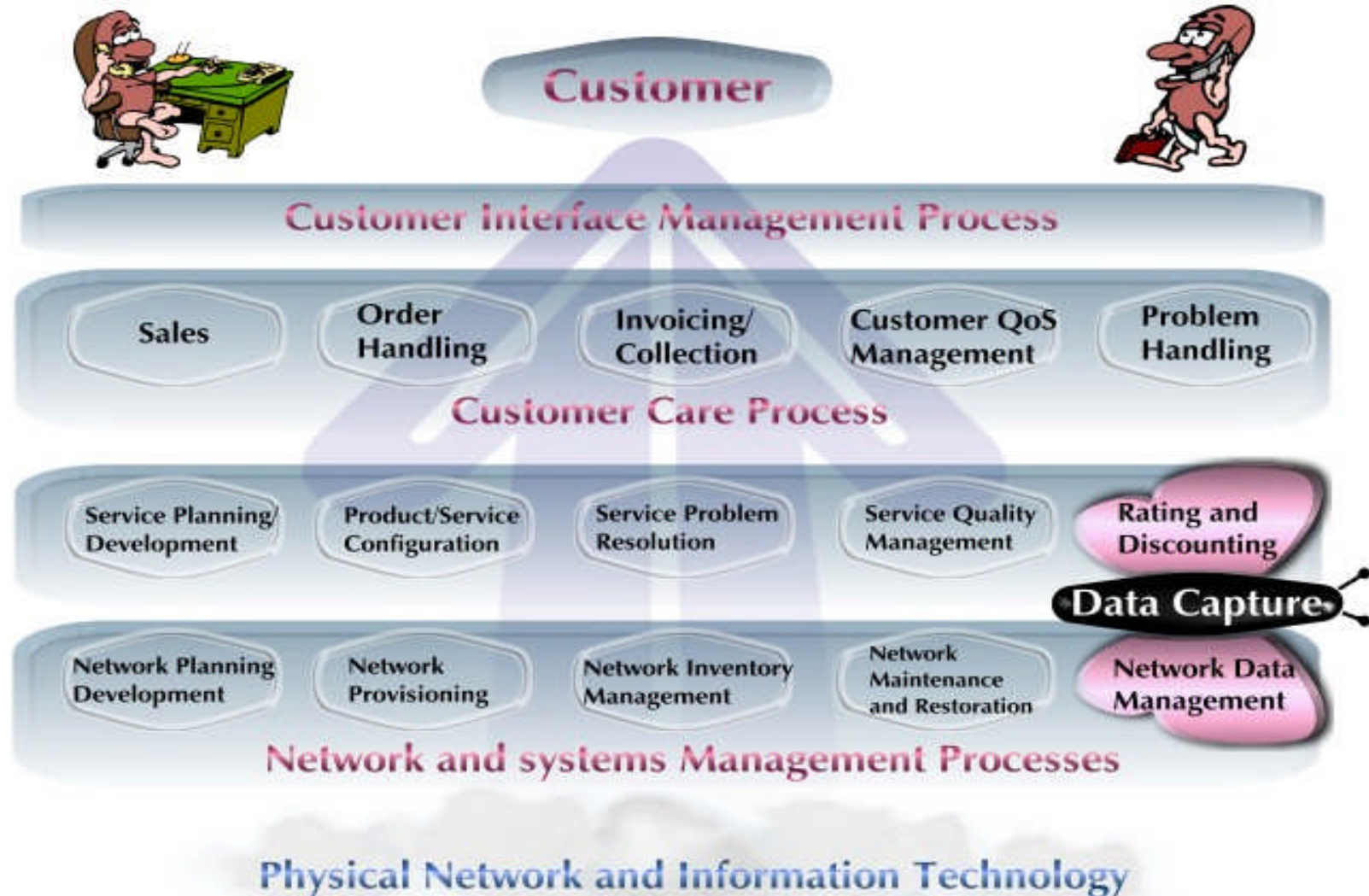
# What is Data Capture (DTC)?

- The purpose of Data Capture Component (DTCC) is to isolate the External System, that provide usage data, from the business applications such as billing, fraud detection and customer profiling.
- The Data Capture Component (DTCC) enables these applications and network elements to concentrate on their primary role, leaving the DTCC to manage:

# What is Data Capture (DTC)?

- The different format translations necessary between the Call Data Record (CDR) format provided by various network elements, which is very often a proprietary format, and the format expected by the business applications,
- The reliable collection and delivery of usage data

# DTC in the Telecom Operation Model

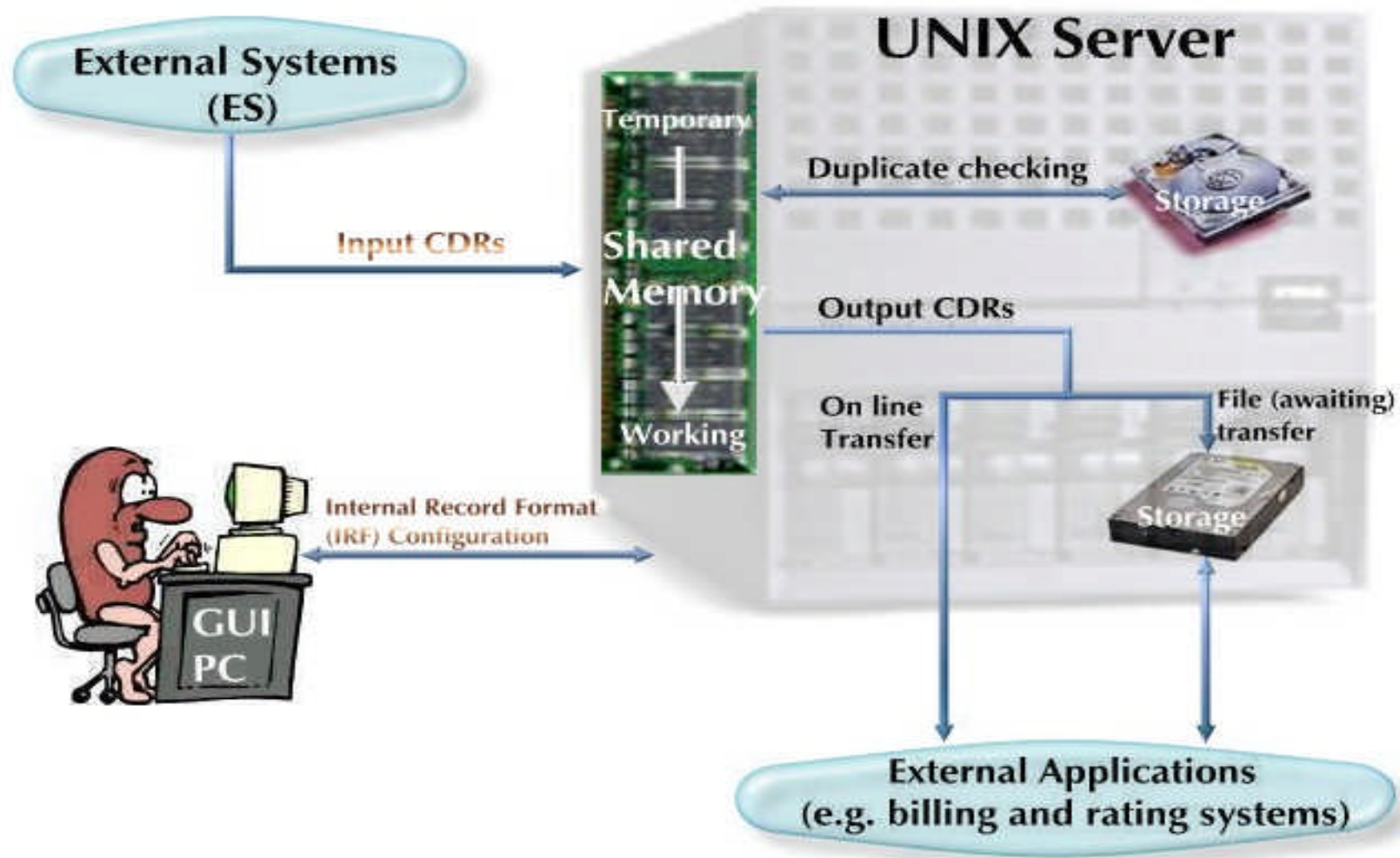


# Part 2

## Process and Architecture



# Call Data Records (CDRs) Flow



# DTC Component



# Part 3

## Key Features and Business Benefits

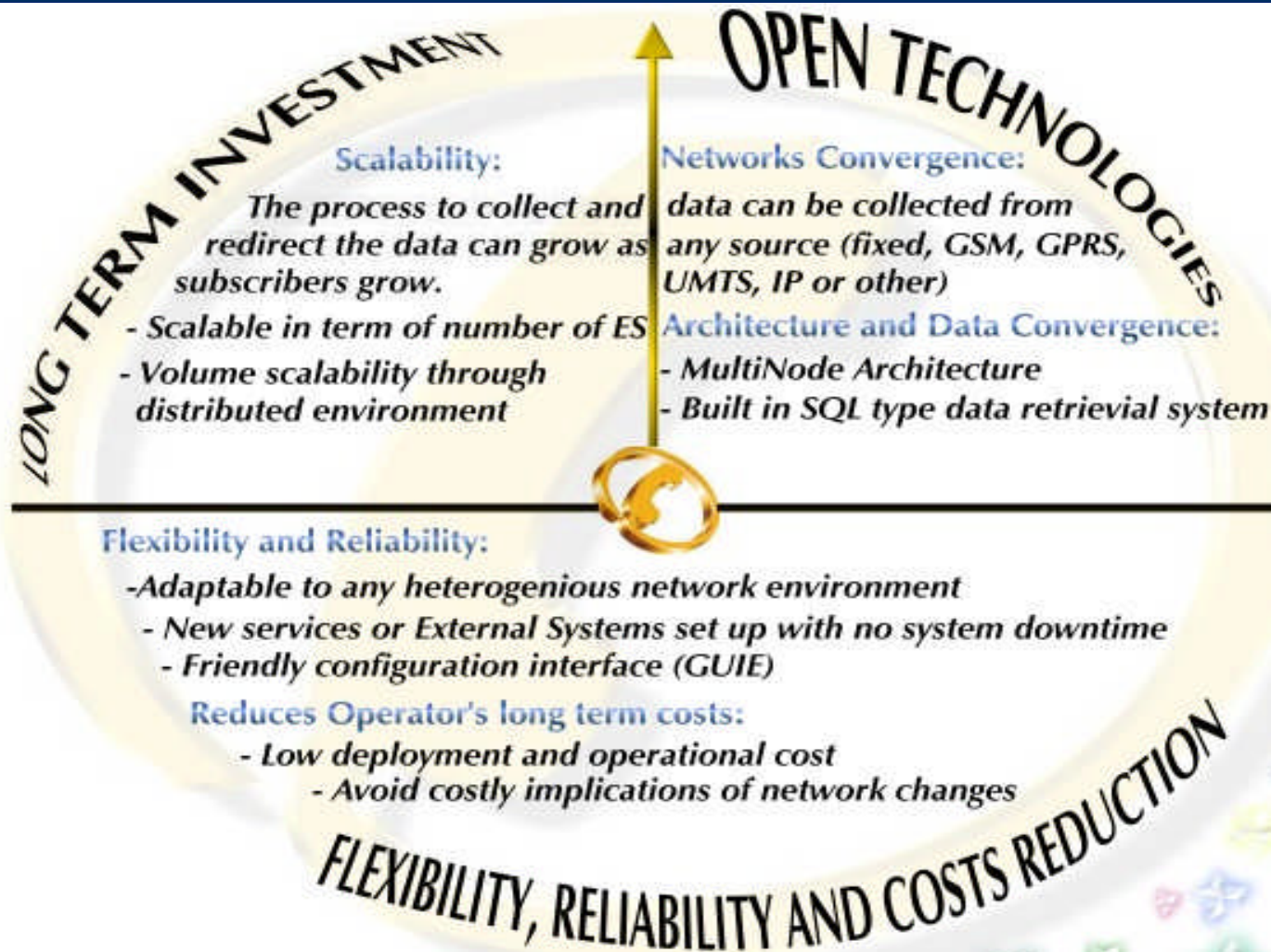
# DTC's Key Features

- Designed to support multiple networks, including mobile, fixed-line, internet, satellite, cable and utilities.
- Designed to support current and new 3G technologies such as GPRS, EDGE and UMTS.
- Able to collect data for any type of event or usage, such as voice or data call, SMS, email and more.
- Scalable to support subscribers growth and the increase in traffic due to data and other new services.

# DTC's Key Features

- The system can be configured for the acquisition of real-time data or alternatively can receive pushed data or pull the device to obtain the data.
- The data delivery modules within the DTC component can be defined dynamically, and can be started and stopped depending on user preference.
- It can be integrated with other SemaVision modules (billing, rating or interconnect) but is a standalone mediation device that can support any billing application.

# DTC's Key Business Benefits



# Part 4

DTC and 3G

# DTC XACCT solution for 3G

