



COMVERSE UNIVERSITY

RC/NRC Server (RCS) Overview

Lesson Objectives

By the end of this lesson you will be able to:

- Explain the function and use of the RC/NRC Server (RCS)
- Describe the business logic and capabilities of the RCS
- Explain the interfaces and processing modes of the RCS
- Describe the components and data flow of the RCS

Agenda

RC/NRC Server (RCS) Function and Use

RCS Business Logic and Capabilities

RCS Interfaces and Processing Modes

RCS Components and Data Flow

Comverse ONE Functional Architecture

Open Framework

Operations

Active Customer Management

Rating, Charging & Promotions

RCS

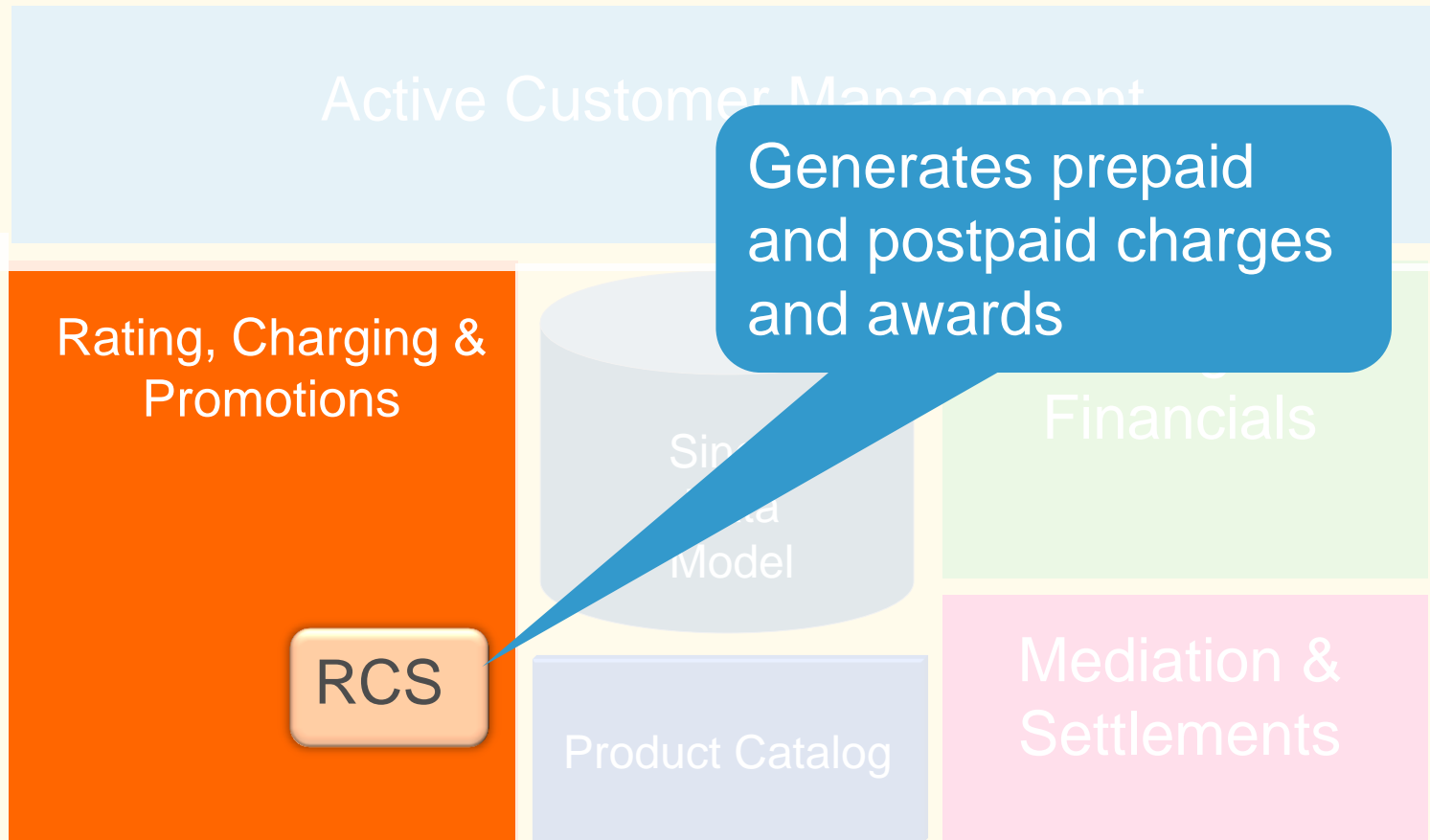
Simple
Model

Product Catalog

Financials

Mediation & Settlements

Generates prepaid and postpaid charges and awards



Example – Type of Charges



Recurring
Charge (RC) →

Category	Description
Payment Type	Postpaid
Voice calls	<ul style="list-style-type: none">• <u>Peak</u>: 0.10/min• <u>Off-Peak</u>: 0.08/min• <u>Weekend</u>: 0.05/min
SMS/MMS	0.02/SM, 0.05/MM
Daily Access Fee	1.00/day
SMS Deal	Pay 5 and get 50 SMs
Promotion Plan	For every 100 peak minutes: Receive 10 SMs and 10 MMs
Birthday Special	Free calls!

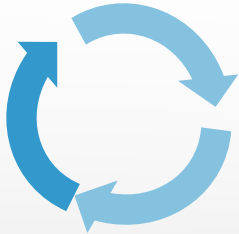
Nonrecurring
Charge (RC) →

New Cell Phone	378.99
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RC/NRC
Server (RCS)



What Are RCs and NRCs?



Recurring Charge (RC) – cyclical fee that is charged regardless of customer use

Examples:

- Call waiting
- Identified call
- Monthly subscription fee



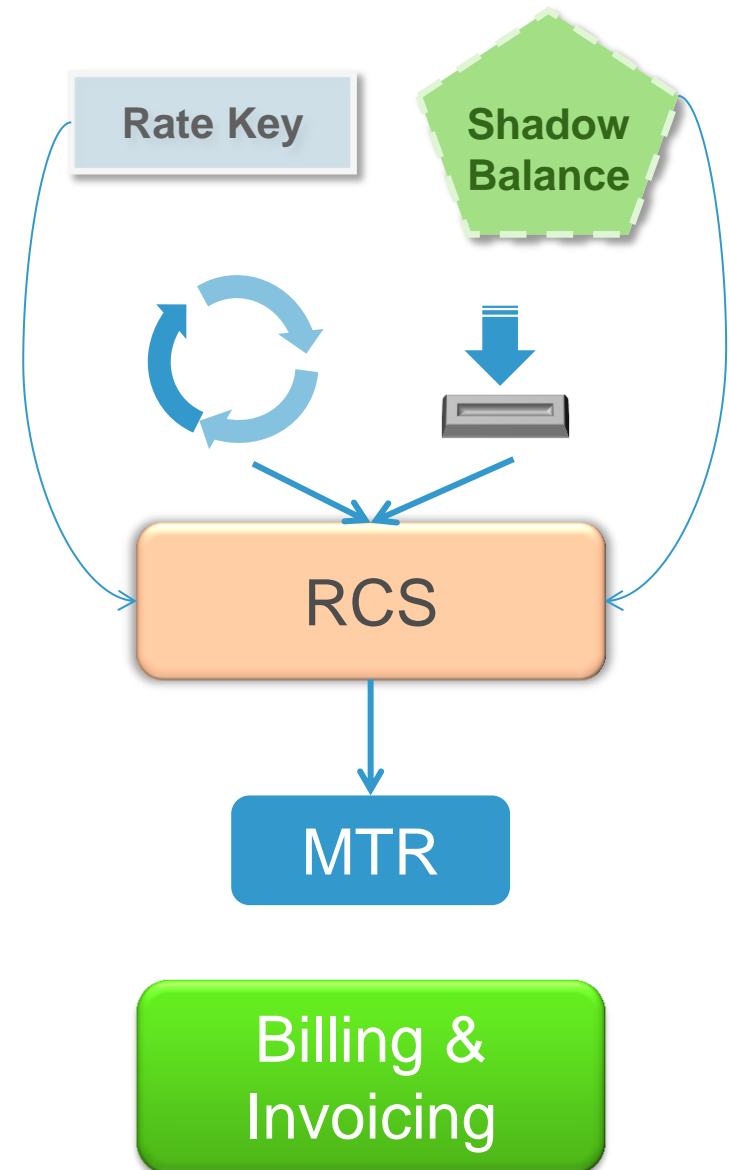
Nonrecurring Charge (NRC) – one-time fee

Examples:

- Installation fee
- Activation fee
- Termination fee
- Equipment purchase

What Is RCS?

- Applies Recurring and Nonrecurring charges for:
 - Prepaid
 - Postpaid
 - Converged/Hybrid
- Generates MTRs
- Separated from the overall invoicing process
- Supports rate keys and proration
- Supports charge redirection



Agenda

RC/NRC Server (RCS) Function and Use

RCS Business Logic and Capabilities

RCS Interfaces and Processing Modes

RCS Components and Data Flow

RCS Business Logic (High-Level)

Collect the RC/NRC Term
Instances to be processed

Daily Fee

New device

Determine the charges for
each term

1.00

378.99

Update the
subscriber/account balances
with the charge

Balance

Applies awards

For every 100 peak minutes:
Receive 10 SMS

Generate charge records/MTRs for
the RC/NRCs charged and the
awards granted

MTR

RCS Main Capabilities

Collect the RC/NRC Term Instances to be processed

Determine the charges for each term

1

Update the subscriber/account balances with the charge

2

Applies awards

3

Generate charge records/MTRs for the RC/NRCs charged and the awards granted

4



Agenda

RC/NRC Server (RCS) Function and Use

RCS Business Logic and Capabilities

RCS Interfaces and Processing Modes

RCS Components and Data Flow

RCS Processing Modes

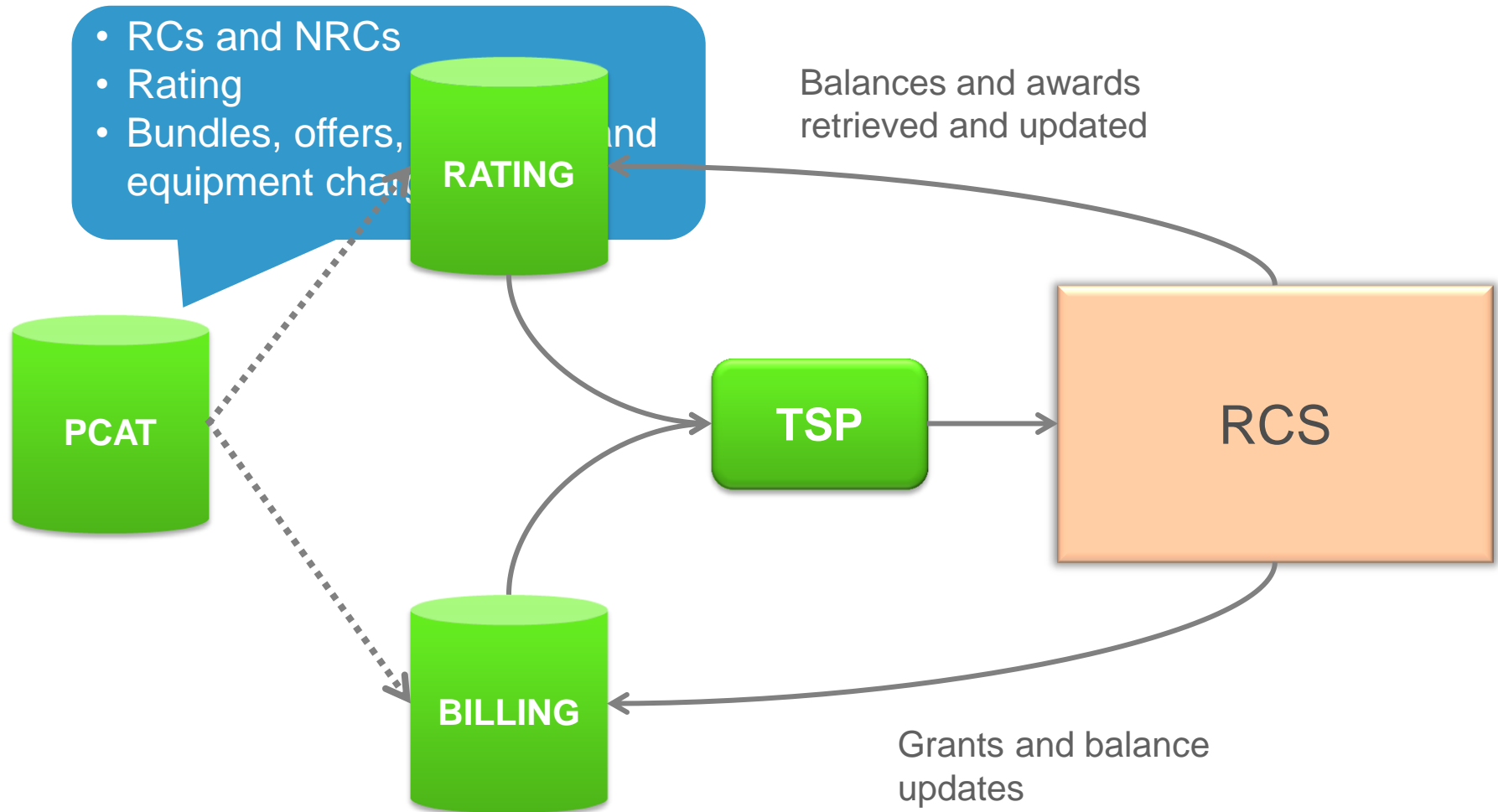
On-Demand Mode

- Runs 24/7
- Applies real-time charges for services and awards to balances

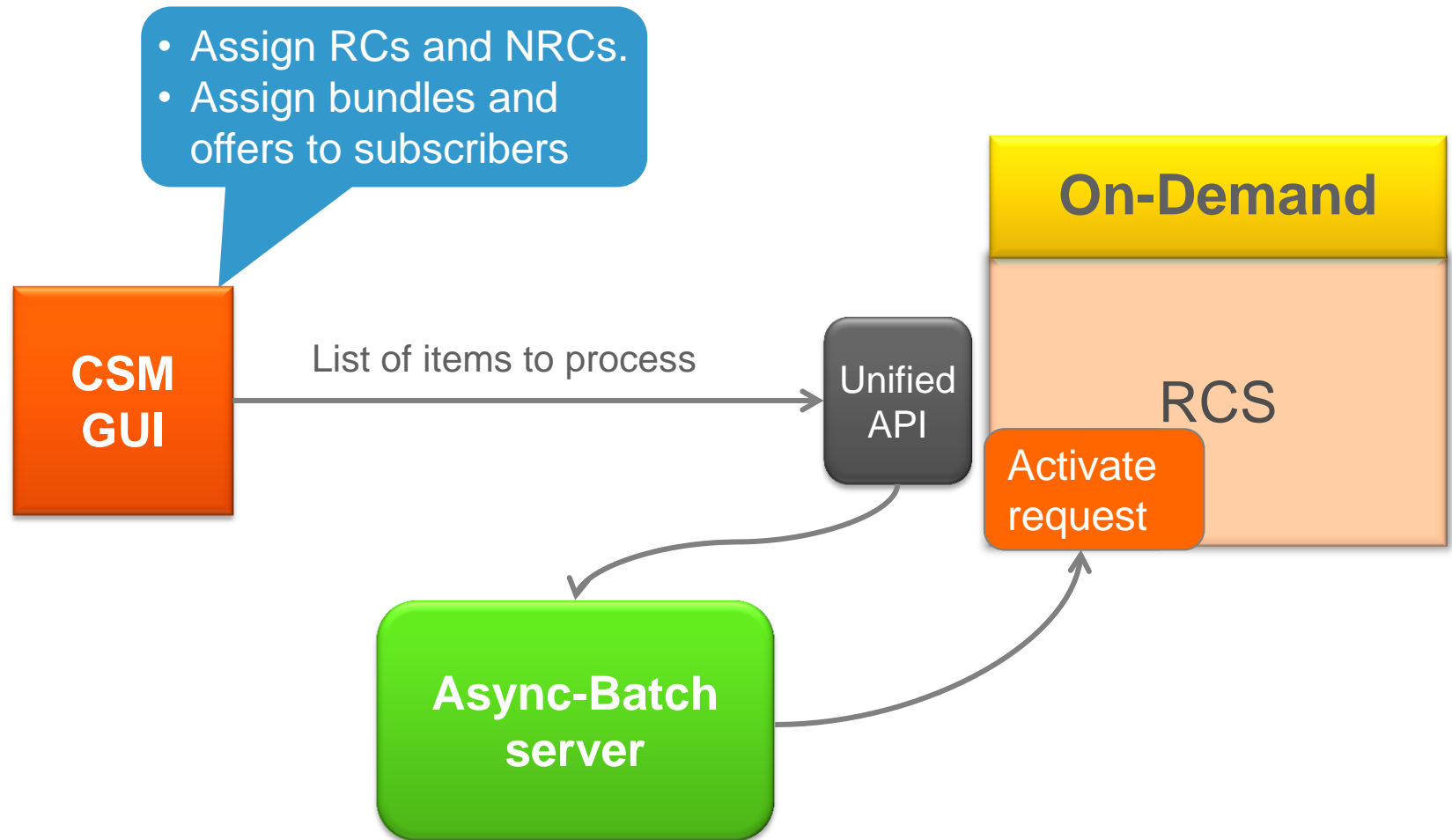
Batch Mode

- Runs daily
- Apply relevant periodic charges and one-time charges
- Recovers technical errors and of charges missed

RCS Database Interfaces



RCS and the Customer Center



Agenda

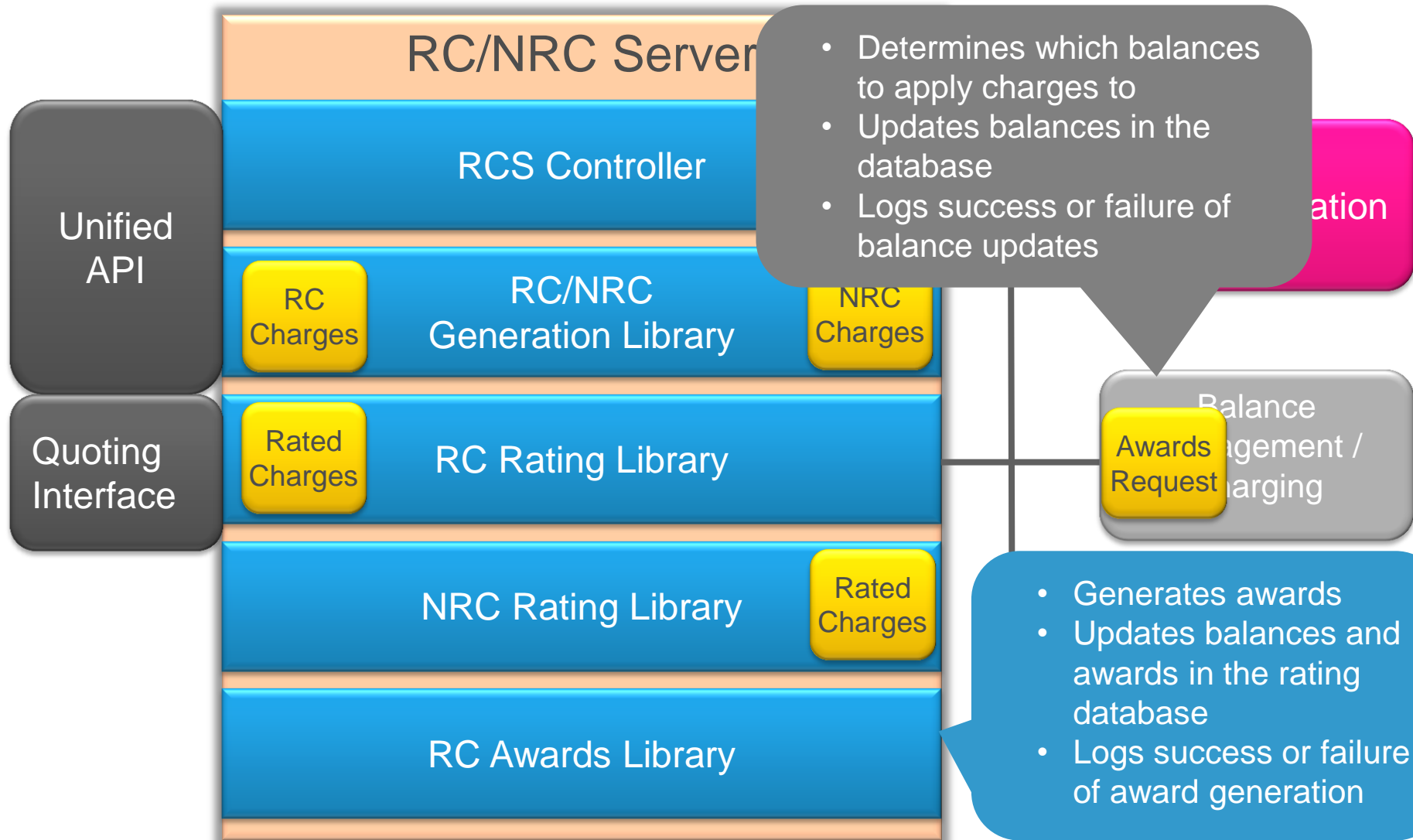
RC/NRC Server (RCS) Function and Use

RCS Business Logic and Capabilities

RCS Interfaces and Processing Modes

RCS Components and Data Flow

RC/NRC Server Components



Summary

This lesson has covered:

- The function and use of the RC/NRC Server (RCS)
- The business logic and capabilities of the RCS
- The interfaces and processing modes of the RCS
- The components and data flow of the RCS

Thank
You!



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