Payment UI
Universal Interface

At a glance

entervo offers a variety of so-called Universal Interfaces (UI) for connecting 3rd party software applications easily.

The *Payment UI* enables, supported by the included *Ticket Classification UI*, a 3rd party system to let entervo calculate a tariff and to book revenue data directly into the entervo system. If required, barcode tickets can be set as paid. That means if a customer pays a barcode ticket via the Payment UI, they can leave the parking facility without payment at classic entervo sales points, such as manual sales devices or automatic pay stations.

Details

General information

The Payment UI which is offered as a bundle together with the Ticket Classification UI handles the payment process when connecting to other systems, such as 3rd party mobile POS devices.

Ticket classification UI

The Ticket Classification UI provides the basic functions for analysing barcode tickets and calculating tariffs.

Payment shift handling

The following information can be requested via Payment UI:

- Information on all cashiers including shift ID, device ID, cashier ID, shift creation date and time, shift status
- Information on a specific cashier including shift ID, device ID, cashier ID, shift creation date and time, shift status

The following actions can be triggered by Payment UI:

- Create new shift
- Close shift

POS and article information

The following information can be requested via Payment UI:

- List of POS devices including computer ID, device ID, device short name and long name
- List of cashiers including cashier ID, cashier first name and last name
- List of articles including article ID, article short name and long name, quantity, amount

Sales/booking capability

The following actions can be triggered by Payment UI:

- Book entervo pre-configured articles into an open shift
- Pay for parking tickets

Updating ticket information

The payment status of a barcode ticket can be changed:

- Tickets are set to "paid" once the payment has been completed

Transaction information

The following information can be requested by Payment UI:

- Sales transactions for a specific shift

Performance Facts

- ▲ For all our benchmarks we use a virtualized ZR system with the following features: Quad-core CPU, 16 GB RAM, Windows Server 2012 R2, Oracle 12.1
- ▲ The indicated times are based on Payment UI of version 1.1.0 and Ticket Classification UI of version 1.0.9
- ▲ Transactions are processed sequentially and cannot be processed in parallel!
- ▲ 3rd party application must ensure that the interface is not overloaded
- ▲ Ticket classification times
  - Evaluating medium: 0.3 sec
  - Calculating tariff: 0.6 sec
- ▲ Payment times
  - Opening shift: 0.6 sec
  - Booking transaction: 0.5 sec (= 2 transactions/sec)
- ▲ Clustered solution with load balancing function on request

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