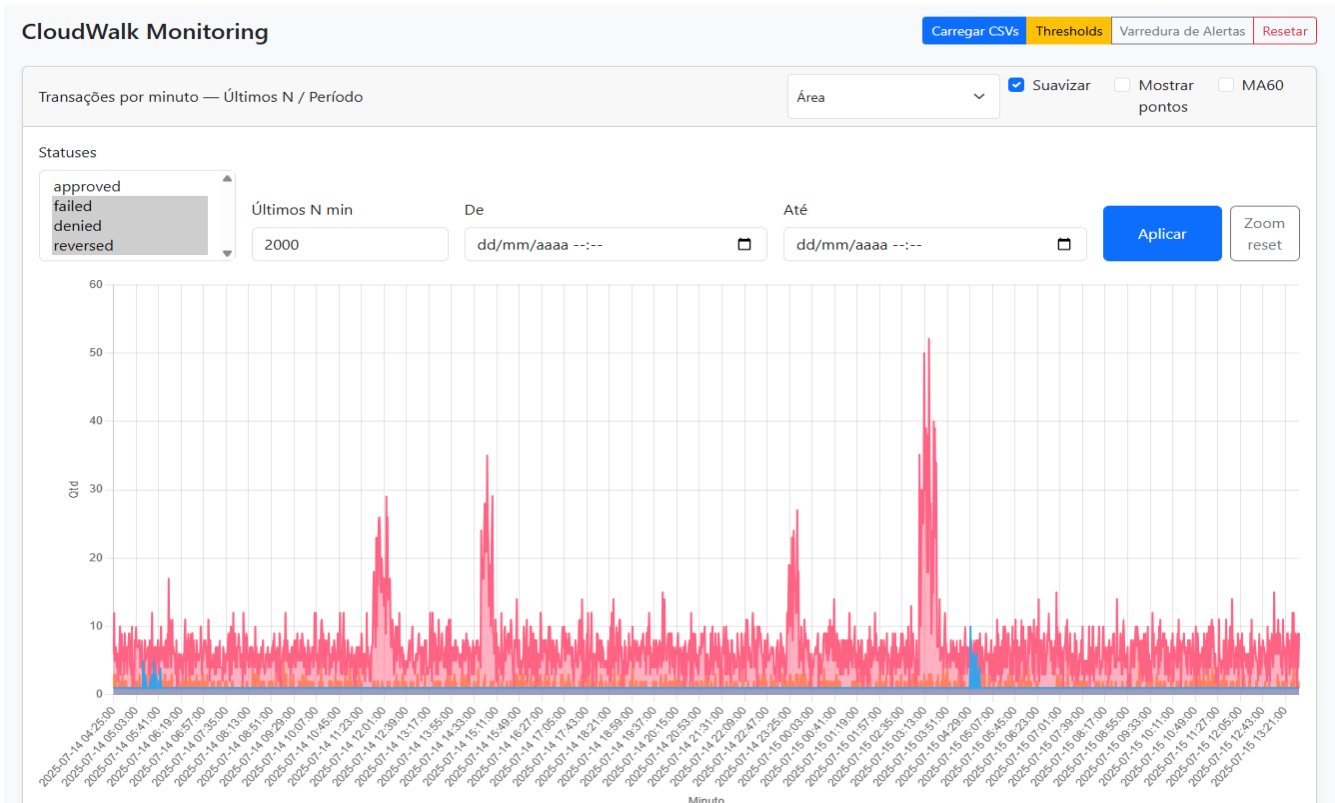


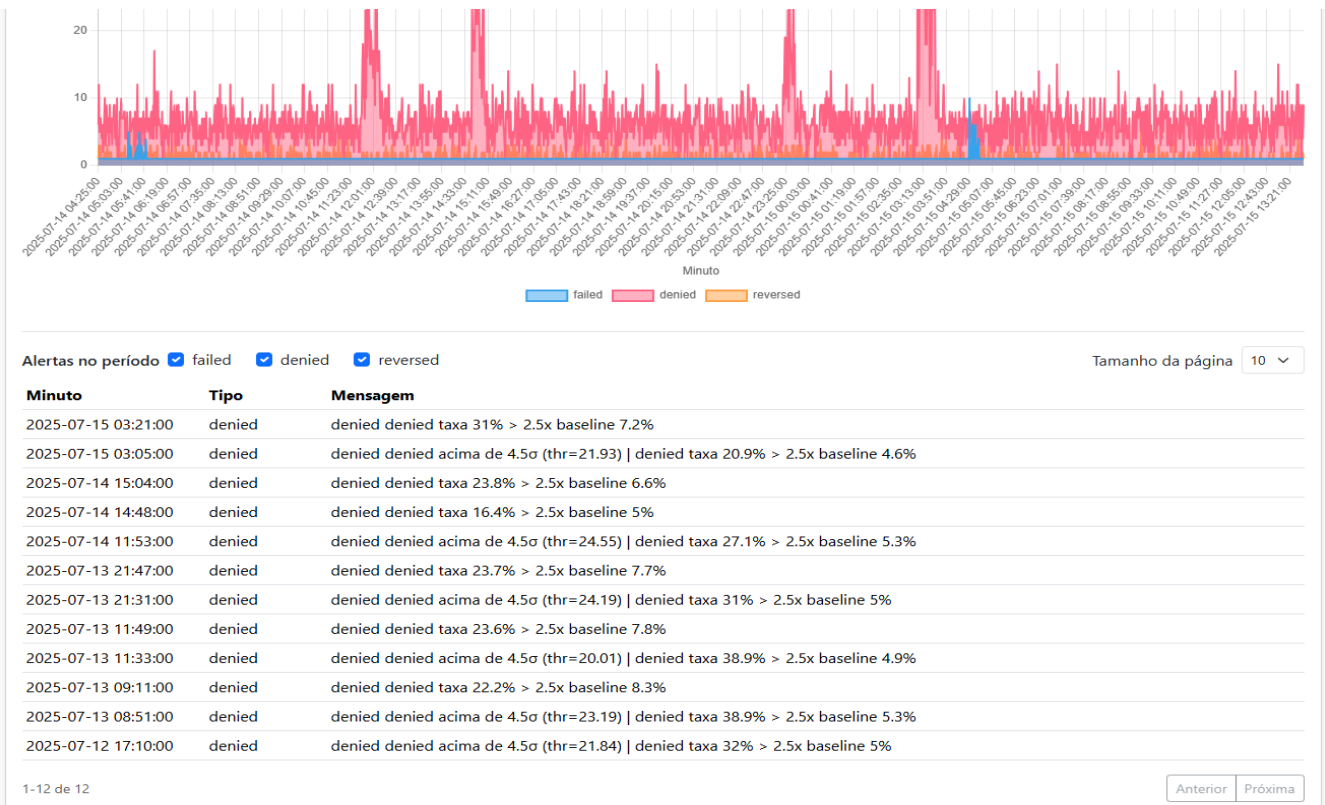
# CloudWalk Monitoring Dashboard - Detailed Explanation

## 1. Transactions per Minute — Últimos N / Período



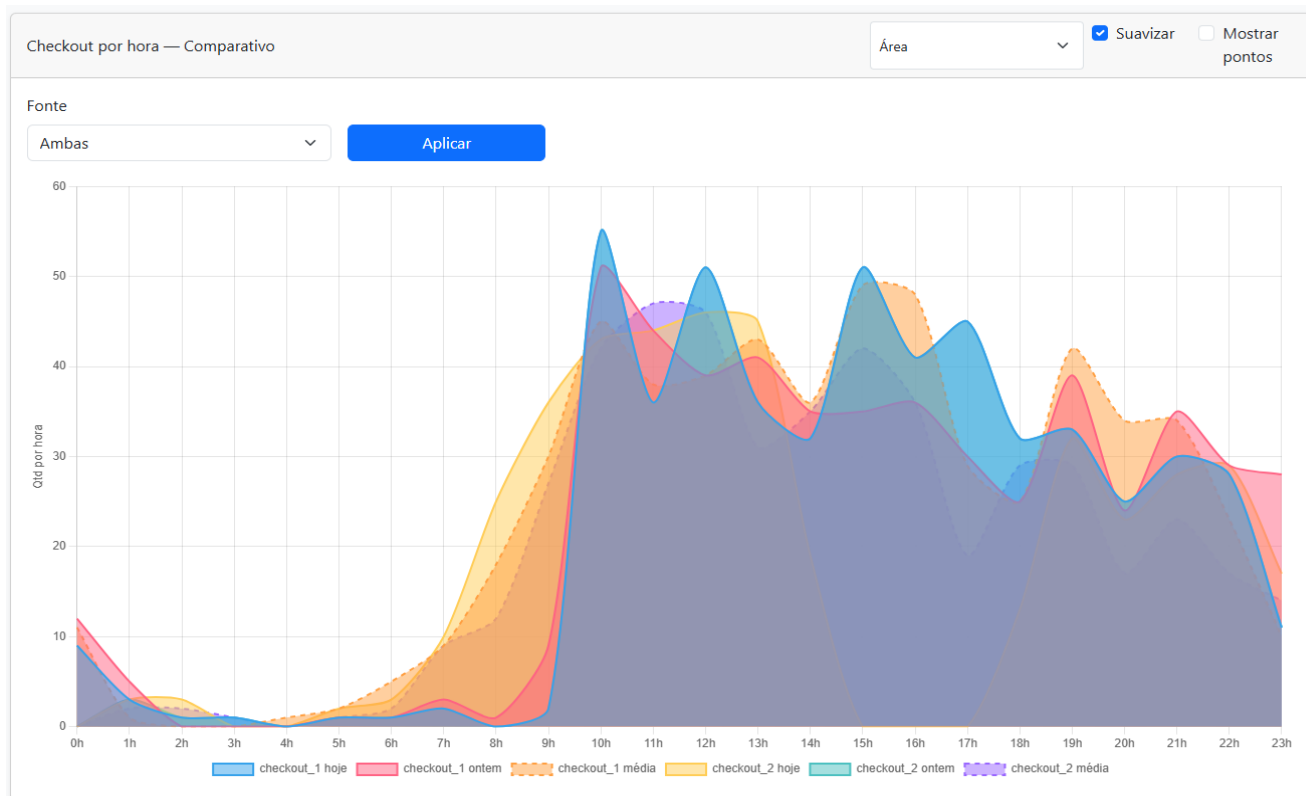
This section shows transaction volume aggregated by minute. Key elements include: **Status filter:** Allows selecting which transaction statuses to visualize (approved, failed, denied, reversed). **Últimos N min:** Number of minutes of historical data to load (e.g., 2000 minutes). **Date range (De / Até):** Custom time range selection with date/time pickers. **Chart type:** Drop-down menu for visualization type (Line, Area, Bar, Stacked Area, Stacked Bar). **Smooth:** Checkbox to enable line smoothing. **Show points:** Checkbox to display individual points on the graph. **MA60:** Option to enable 60-minute moving average overlay. **Zoom reset:** Resets zoom if applied. The chart displays real-time metrics from MySQL after importing CSVs, highlighting peaks and anomalies.

## 2. Alerts in the Selected Period



This section lists triggered alerts based on transaction anomalies: **Filters (failed, denied, reversed):** Checkboxes to filter alert types. **Table columns:** **Minuto:** The exact minute of the anomaly. **Tipo:** The type of alert (e.g., denied). **Mensagem:** Detailed explanation of the deviation (e.g., rate 31% > 2.5x baseline 7.2%). **Pagination controls:** Allows navigating through alerts when the list is long. **Page size:** Dropdown to select how many alerts to show per page. Alerts are generated based on thresholds configured in the system, comparing live data against historical baselines.

### 3. Checkout per Hour — Comparative View



This section compares checkout transaction volumes across different sources: **Fonte:** Dropdown to select data source (checkout\_1, checkout\_2, or both). **Chart type:** Choose visualization format (Line, Area, Bar, etc.). **Smooth:** Checkbox to enable line smoothing. **Show points:** Checkbox to display data points explicitly. The chart shows aggregated hourly data, enabling side-by-side comparison between two checkout systems (e.g., today vs yesterday, average).