



# RELEASE NOTES CLOUDBILLING V1.8.4

## NEW FEATURES

### **ADDED OPTION FOR CHARGE PER TO BILLING PERIOD**

It is now possible to set "charge per" period to match the "billing period" of a customer. This new feature generates results that are more in line with the expectations of the end customer with invoices that are not aligned with calendar months.

### **API METHODS TO FETCH PARENTS OF GIVEN CLUSTER**

We have introduced a new API call that allows you to fetch a customer or product cluster's parents.

## IMPROVEMENTS

### **CUSTOMER COCKPIT: SLOW CUSTOMER SEARCH**

The search performance for customers from the cockpit has been significantly improved.

### **SLOW CALCULATION SPEEDS PRICINGRULERESULTS**

With the prior improvements to calculation speeds on environments with large numbers of PricingRuleResults, a regression was found. A hotfix was already applied to customers affected. Now the fix is rolled out to all our customers.

### **VALIDATION TIME LARGE INVOICES**

For very large invoices the validity check could take very long. The invoice validation time has been significantly improved.

### **PERFORMANCE - SLUGGISH UI DURING PEAK MOMENTS**

The UI performance impact that customers can have on each other when the system is under high stress, has been reduced.

## BUG FIXES

### **INCORRECT SEARCH RESULTS CUSTOMER COCKPIT**

When searching for customers in the cockpit when the number of customers is very high or when there's an internet connection lag would sometimes return unexpected results. This now works.

### **INACTIVE RULES OVERRIDE RULE STILL APPLIED**

This solves a bug where an inactive rule (valid to date) would continue to cancel out an overridden rule. With this fix, when a rule has become inactive, the original overridden rule will no longer be incorrectly overridden.

### **API ALLOWS SETTING PERIOD SIZE TO ZERO**

Previously it was possible to create customers with an incorrect billing period of 0. This would lead to enormous numbers of invoices. It is now impossible to create a customer with incorrect billing periods such as 0,-1 or null .

### **CANNOT APPROVE ADHOC INVOICE**

Previously when trying to approve an adhoc invoice while the default periodic was still open the system would not allow you to approve the adhoc invoice. This has been fixed and you are now able to approve adhoc invoices despite "live current periodic invoices".

## UI CLEAN UP

### **PRICERULES UI: REMOVE "SHOWALL" BUTTON**

We have removed the "Show All" button from the Pricing Rules screen. Clicking this button with a lot of pricing rule results would impact webserver performance for some time. We've decided to remove this button, as the results are paginated and additional filtering can be used to reduce the amount of results.

