



Orchid Cloud

Every great cloud has a
purple lining

Wholesale Voice Business Platform as a Service

Usage based, flexible and scalable wholesale voice business platform in the cloud

Cataleya's Orchid Cloud is an integrated switching, rating, routing and billing solution that enables you to start operating your voice business within a matter of days and enjoy a feature rich and highly scalable wholesale voice business platform on a pay-per-use basis.

This wholesale as a service platform is built and operated by Cataleya through a secured high-quality network of connected Orchid One SBC pairs around the world. You only need to commit to a minimum of minutes per month and then pay for the actual minutes sent through the system.

This end-to-end wholesale platform packs a powerful portfolio of features and services to support your growing wholesale voice business without the need for procuring your own switching and BSS solutions. Besides the saving on capital expenditure, you also save significantly on cost of operations and maintenance, as Cataleya takes care of that.

Key Features

Rating

- Domestic and international rating
- Currency flexible
- Bulk and custom generated rates creation loading based on margin, average cost or specific routing by country/ customer/group
- Accessible storage for easy retrieval

Routing

- Routing by switch location, business products and/or by unique customer
- Auto generated routing as needed throughout the day
- QoS and least cost, profit protection, exception routing/percentage routing
- Settlement and volume relationships
- Alarm notification regarding routing issues
- Supplier cost/code, cost analysis by destination
- Auto and manual loading management
- Direct routing updates
- Target rates and supplier validations

Switching

- High performance, award winning Orchid One based infrastructure
- Node and geographic redundancy
- Centrally managed regional partitions available
- Transcoding of over 6 different codes supported / Fax T.38 supported
- High Security across all layers
- High CPS capabilities

Billing

- Carrier to carrier, and carrier to enterprise invoicing
- CDRs associated with invoice can be accessed via a portal
- Currency flexible
- Easy to produce invoices and access to historical invoices
- Multiple billing periods, VAT, NRC/MRC products

The Cataleya difference – Unprecedented flexibility

Cataleya is the only vendor which lets you build your own tailor-made SBC, while benefiting from truly flexible business models and simplicity of integration. We utilize all the unique features from the hardware-based, award-winning **Orchid One**, which serves as the core switching infrastructure of the **Orchid Cloud** Platform.

Orchid Cloud is set up in a fully redundant manner for Carrier grade reliability that never lets you down. We provide standard 12-month contract terms, but also offer special terms as short as 3 months in case you need the flexibility to manage migration projects or short term volume increases which do not warrant the cost of your own infrastructure upgrade.

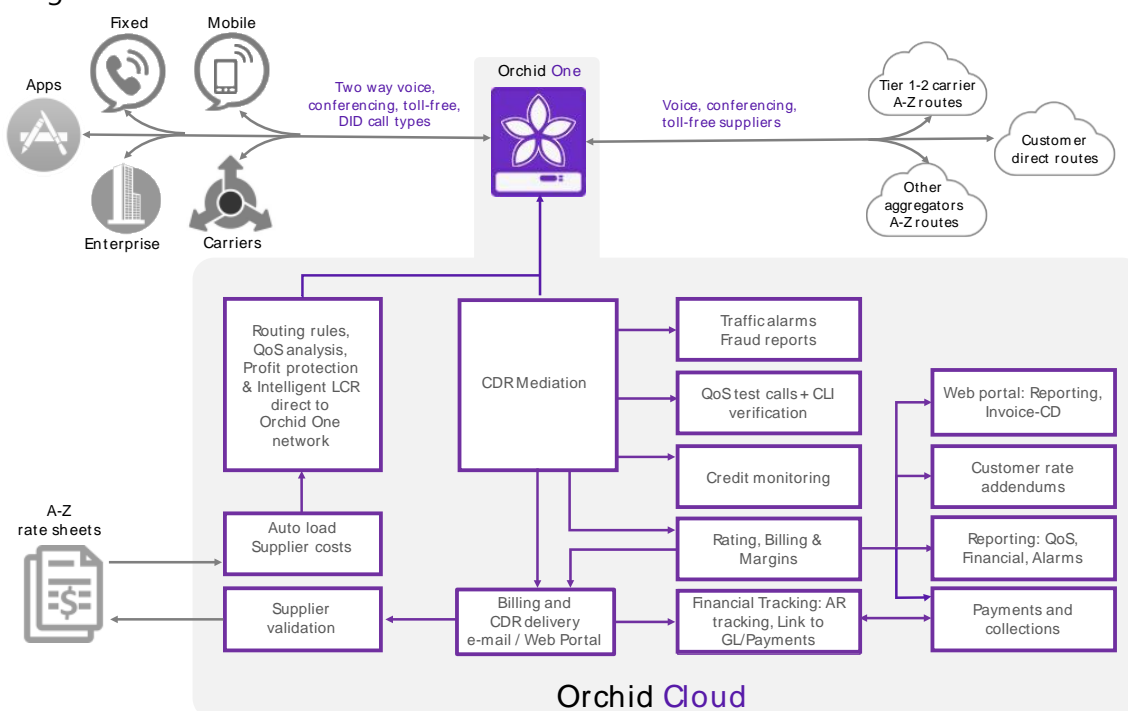
Cataleya Software Solution

Our **Orchid Cloud** solution offers an integrated BSS and Switching software platform that is highly scalable and modular and focuses on the key business issues of:

- Comprehensive revenue assurance
- Streamlined cost and code management
- Network efficiency and optimization
- Excellent profitability management
- Scalability and ease of use
- Security and reliability

Orchid Cloud architecture and feature modules

Cataleya’s **Orchid Cloud**, is a fully integrated set of modules designed to manage all aspects of the carrier to carrier relationships (switching, transcoding, costing, negotiating, alarming, rating, intelligent routing, billing, supplier validation as well as a wide range of reports) in an efficient and highly scalable manner. Below is a high-level overview of our architecture and feature functionalities.



Primary modules details

Intelligent routing: We support routing for partitions on multiple switches, including international and domestic. We achieve this by balancing QoS and Least Cost, profitability, exception routing, percent routing as well as settlement/volume relationships with alarms and utilization across multiple routing plans.

Auto loading of carrier costs: Our Automatic supplier cost/calling code analysis and loading completely automates a tiresome, yet extremely important task for international and domestic suppliers. Auto loading updates supplier costs/codes in native formats, reviews for errors, duplicates and contract notice periods, with detailed cost/code analysis. It also identifies new codes for inclusion in master code table and updates the supplier costing for validating and margin analysis. For US domestic suppliers, the software maps to the appropriate LERG table.

Customer rates and notification: Our solution develops customer rates for international and domestic services, with bulk and custom generated loading based on margin, average cost or specific routing by country, by customer or as a group. All customer rate sheets are produced for delivery to customers and stored for instant retrieval.

Supplier validation and disputes: We produce a supplier invoice report in the naming convention and destination breakouts of the specific supplier, with adjustments for billing durations and time zone, for comparison to actual supplier's bill. We also identify areas of possible dispute with supporting documentation.

Code management: The platform keeps the master destination code list fully up to date on all supplier codes and determines opportunities/problems associated with code definitions and recommended groupings. It fully supports the unique US domestic jurisdictions to the NPA NXX and beyond, as well as international destination codes.

Real-time reports / Data analytics: You can easily gather traffic, QoS, margin and other key reports by customer, by supplier, by any route and timeframe. The traffic is alarmed so as to monitor changes in MOUs, ASR and deposits. Reports are designed for senior team, analysts and technical support.

Fraud alerts: Numerous fraud alerts can be produced for traffic surges, unauthorized IPs, short calls and other customized conditions of our customer's traffic patterns.

Carrier billing: Our software provides a billing module that is timeframe and currency flexible and that can accommodate net settlement and one-way relationships for domestic and international traffic, as well as NRC, MRC for phone number fees. Bills are easy to produce, concise to the customer and can be fully delivered electronically.

Credit management: This software functionality provides both customer specific notifications against credit assignments, as well as the ability to block traffic at our switching platform. This application can be purchased separately.

Portal management: The portal provides access to view your customers and suppliers' MOUs, Call Counts, ASR, and ALOC; as well as deliver the invoice, invoice statement, invoice detail, customer CDRs, and payment transactions. You can access the switching layer via the same platform to set up and configure new or existing supplier and customer interconnects and profiles.

Switching platform: The switching platform provides easy-to-use interconnect setup configuration that comes with pre-set signalling, media, and Call Admission Control profiles. It offers transcoding, flexibility to change or add vendor specific profiles, and a Signalling Adaptation Framework that helps with digit analysis, routing, and SIP message manipulation which are required to interwork with different SIP flavours. The intuitive user interface has per-vendor dashboards and operations reports which include real-time information on signalling, media, QoS, and utilization statistics. It gives access to call tracing features, CDRs, and alarms.

Pricing structure

Superior switching, routing, rating, and billing starting as low as \$0.00013 per minute depending on volume.

Minutes of use based bands (Switch - Route - Bill - Rate)	SIP sessions cap (max)	CPS cap (max)	Max Transcoded sessions	Max CDRs per day	Maximum vendors for auto loading
0 - 25 million minutes (minimum monthly charge or usage-based cost applies, whichever is higher)	1,000	25	250	625,000	10
25 - 50 million minutes	1,500	50	375	1,250,000	10
50 - 100 million minutes	3,000	100	750	2,500,000	10
100 - 150 million minutes	4,500	150	1,125	3,750,000	20
150 - 200 million minutes	6,000	200	1,500	5,000,000	20
> 200 million minutes	To be negotiated on a case by case basis				

Additional fees

One-time setup fee (includes training)

Additional vendors for auto-loading (for each vendor over the free allowance per band)

Additional CDR and database capacity storage - for each terabyte over the free allowance of 1 TB

Additional partitions in other geographic regions.

For more information, contact us at info@cataleya.com



cataleya

Redefining flexibility