

Orchid One

Session and Application Manager

The next generation intelligent networking technology

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i3 forum

14th May 2015





Who is Cataleya?

- Cataleya is a company wholly owned and funded by Epsilon Global Communications, Singapore.
- We are headquartered in Singapore, with our R&D offices/labs in the Silicon Valley, California, USA.
- Our regional business offices are in the US and UK.
- Cataleya developed the Orchid One platform, a “**Session and Application Manager**” which is the evolution of the current Session Border Controllers

Orchid One - Addressing the IP Challenges

- ❖ There are a plethora of IP based application servers and DB infrastructures in operator networks
- ❖ Need for a highly customizable service management framework to be able to dip into these application infrastructures providing the ability to create simple to complex services. Forward looking architecture to embrace newer technologies such as webRTC etc.
- ❖ Service level Quality (MOS/R-Factor) assurance with dynamic steering
- ❖ Stochastic modeling to manage packet statistics variances with deeper voice quality analysis on Codecs, SNR and echo levels



- ❖ Need for real time analytics and operational intelligence
- ❖ Comprehensive visibility into network status, bandwidth usage, media QoS/QoE, session, service, application and SLA monitoring in real-time and trending (historical)
- ❖ Signaling Adaptation Framework(SAF) – stateful manipulation of SIP headers/SDP and Diameter AVPs with flexibility to create/modify/delete headers/AVPs
- ❖ Signaling Procedure Adaptation Framework – ability to match signaling differences between ingress and egress – used to match SIP signaling procedures

Orchid One Value – H/W – High Performance

Performance System

1000 CPS
100,000 sessions concurrent
15,000 sessions transcoding Voice / 1500 video



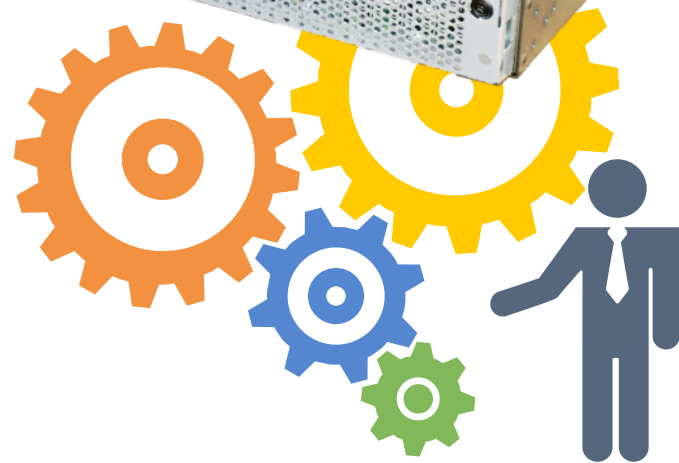
in a 2U chassis
form factor

After 1000 cps, plenty of head room for DPI/analytics and other revenue generating applications



Deployments

- Deployed in North America, Europe, Africa and APAC
- Handling 6 Billion minutes per month with Tier 1 operators



Thank you!



cataleya
let your network blossom

www.cataleya.com