Alcatel-Lucent Enterprise | Where Everything Connects

Rainbow

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Flexible Deployment models

"Hybrid Will Be the Most Common Use of the Cloud"
Gartner June 2016

CPE	Private Cloud / Hosted	Hybrid-Cloud	Public Cloud
		CPE or hosted	
Operated by the customer	Operated by the Business Partner	Co-operated by ALE & Customer or Partner	Operated by ALE
OXO Connect OmniPCX Enterprise OpenTouch	OpenTouch Enterprise Cloud	Any PBX + Rainbow	Rainbow
Rich Telephony Full fledged UC Available now	Rich Telephony Full fledged UC Flexibility	Rich Telephony Extended federation Value added services	UC a-la-carte services Traffic Extended federation
Licensing	Monthly PPU fee	Subscription + PPU/Licensing	**Subscription**

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Introducing Rainbow: Interactions Start With You

Hybrid, Overlay UC-based Cloud Service for Every Enterprise

BE SPONTANEOUS

Easily chat and share files from anywhere

BE LIVE

Click to make audio or video calls and share your screen

BE SECURE

Securely benefit from enterprise-grade services

Business Process Integration

BE SPONTANEOUS

With chat and file share, anywhere

Chat discussions with one person or in groups - with presence

File shared or received instantly,

In the office, at home, with friends or on the road, always access coworkers and stay connected with them; No VPN needed, no IT hassle

BE LIVE

With audio/video calls and screen sharing

In a click, a document is shared

Your smart-phone contacts become available from any device; you can invite them instantly to join your community on Rainbow

Calling is not about dialing, it’s about clicking

BE SECURE

With strict security policy

Physical security

- **Hosting partner is OVH:** all our ressources are in France & dedicated to Rainbow (no mutualization)
- **Data center on-site security:** video surveillance, barbed-wired fencing, staff RFID badging, fire detection/extinction (APSAD R4 & N4 conformity), redundent power supplies, Anti-DDoS Security

Operational policy

- Access to OVH production: limited to 3 designated ALE employees

Network & infrastructure policy

- **Wan & LAN security:** 2 firewalls (Anti-DDoS & application), UDP/TCP ports blocked by default (only needed ones opened), Applications available through HAProxy load balancer (single secured entry point)
- **High availability:** Each VM is duplicated and runs on 2+ hypervisors, persistent data served by multi-master replicated databases

Transport layer security

- **SSL policy:** plain-text connection from internet denied, https connectivity & secure Websocket, Standard Wildcard SSL certificates from Gandi / Comodo CA, TLS 1.0, TLS 1.1 and TLS 1.2., **we are raked A+ by Qualys SSL Lab Seucrity test** (we run tests minimum once a month)
- **We support:** Forward Secrecy, Downgrade Attack Prevention, Strict Transport Security
- **We are safe against:** DROWN, BEAST, POODLE, Heartbleed, scan attacks, and run Nessus Vulnerability Scan audits

Application level security

- Digest authentication with SCRAM SHA1, hashed/salted passwords , anonymous credentials

User level security

- Passwords forced with good complexity, email verification of account, secure password reset, company containment

Data privacy & confidentiality

- **Data we store:** the only data we store is personal data (email, name, photo and other data the user wishes to provide), logs/history and IM (files transferred, audio/video/screen share sessions are in transit only – see transport layer security). The data we store is secured with the above policy.
- **Privacy policy & confidentiality:** we don't disclose the data we collect.

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UCaaS - Rainbow as a borderless workplace

Be spontaneous

Chat, group chat, presence

File sharing

Multi-device

Be engaged

Audio/video Calls

Screen sharing

Conferencing

Be in control

Administration

Analytics

APIs and openness

PBX Integration

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Rainbow and OmniPCX Enterprise R12.0
Making hybrid/cloud UC solutions easy

- Starting from R12.0 OXE is “Rainbow ready”
- Rainbow users can benefit from OXE PBX services

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Rainbow and OmniPCX Enterprise R12.0 Connection - Secure, Simple, Non IT intrusive

Connection using a **WebSocket**

- The WebSockets protocol allows a two-way communication with a remote host over internet.
- A WebSocket connection starts its life as an HTTP/HTTPS connection and uses the same ports as HTTP (80) and HTTPS (443), by default.

⇨ **One of the key benefits that WebSockets provide is their ability to traverse existing firewalls and proxies**

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Rainbow Client - PBX User Services

Make call by dialing a phone number in the search bar

Or make call by searching & selecting a contact

Chat/share during an active call

Rainbow Client - PBX User Services

Answer incoming call

Put on hold, answer a second call & call retrieve

Or call conference

WHAT'S NEW RAINBOW UCAAS

Conferencing
New subscription Enterprise Conference package GA

Broadcast information
Rainbow Channels

Enterprise-grade security
ISO27001 certification
SSO (target Q2)

100% Mobility/Softphone
iPhone app evols

Bubbles extended capacities
Up to 200 members
Video conf. up to 25 participants
(target Q2)

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Telephone Meeting within Rainbow!

Share phone meeting details easily

Also an Outlook add-in for easy scheduling

Your personal bridge:

Click to see dial-in number et leader code

Upcoming meetings at a glance

ENTERPRISE CONFERENCE

Annual prepaid per leader
(X €/$ per leader per month x 12 months)

Rainbow **Enterprise + Phone meetings**

- + **Dial-in from any phone**
- + **60+ countries with local dial-in numbers**
- + Up to 100 participants
- + Screen sharing, file sharing, chat
- + Fair usage policy

For more countries, more minutes and dial-out:
Select the existing Pay-as-you-go option

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Rainbow Services Plans

Premium subscriptions

New in Q1-19

	Rainbow services plans	Essential	Business	Enterprise	Pack Ent. Conference
MOBILITY	Multi-platform client (smartphone, tablet, Web, PC, MAC)	■	■	■	■
	IM/Audio/Video call w/ screen sharing and recording	■	■	■	■
	Twinset with business phone. VoIP softphone		■	■	■
COLLABORATION	Persistent group chat and file sharing	■	■	■	■
	Group chat: max. participants	20	20	100	100
	Storage for shared files (per user)	1 Gb	1 GB	20 Gb	20 Gb
	Video conferencing (max. 10 users) w/ screen sharing			■	■
	Calendar presence (Office 365 and Google Suite)			■	■
	Channels editor in/outside of the company			■	■
CONNECTED PBX TELEPHONY	Click-to-call, telephony presence	■	■	■	■
	Broker call, transfer, 3-party conf, voicemail notification		■	■	■
	PSTN calls. Any device: Select current phone		■	■	■
	Microsoft Skype for Business add-in		■	■	■
	Microsoft Outlook plug-in (click-to-call, Calendar add-in)		■	■	■
ADMINISTRATION	Unlimited Essential users/guests	■	■	■	■
	SLA & Helpdesk		■	■	■
	Analytics		■	■	■
	Microsoft Azure Active Directory integration		■	■	■
PHONE CONFERENCING	Audio-meeting via PSTN up to 100 participants	Conference option *"Pay-as-You-Go"* (price per participant/minute)			■
	Microsoft Outlook Calendar add-in for scheduled meetings				
	Web sharing (chat, file, screen)				

Rainbow Channels

Share news inside the company and outside!

- CEO to send information to all employees
- HR director to announce new remote working conditions
- Marketing team to push product news

Watch the video!

Sell **Rainbow Enterprise** subscription!

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Rainbow - Mobility

Built-in feature: easy cross-sell of mobility usages

All Rainbow services on mobile

Chat, audio and video call, conference, file sharing, presence, call routing, channels and more!

Smartphone-only user

Employee only equipped with smartphone (no office phone) and the mobile Rainbow client app.
Cellular call and VoIP.

PLAY VIDEO

Connected Workplace

Activate dual ringing with any phone.
From the Rainbow client with any other phone (fixed phone or mobile phone number).

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Rainbow app for smartphone- what’s new

Display **Channels** that you are following!

Reply to a specific message in a conversation (like for Bubble)

Use a **numeric keypad** to make it easier to dial phone numbers!

Start an **Audio/Video Conferences** as Bubble organizer!

Share, join and schedule your **Telephone Meeting** easily!

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CPaaS

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Móvil, Sin fronteras,
Conectado
UC as a Service

Abierto, Comunicaciones
orientadas al Negocio
Platform as a Service

Permitido por Rainbow™ Servicio Empresarial en la Nube

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More than
what you see
UCaaS
PBX Integration
CPaaS
Traffic
Data Mining
Verticals
IoT / Bots

CPaaS is at the center of ALE strategy for Communications

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Verdadera Integración Digital

Business-friendly

Zero-advertisement
Data privacy
Integrated with your business communications

Apertura

Standard-based APIs and open developer community for continuous innovations

Añadir tiempo real a Servicios Web

SDK for web

Automatizar Servicios con Bots

SDK for Node.JS

Añadir tiempo real a Apps Móviles

SDK for Android

Conectar con tu infraestructura

REST API

Rainbow API Hub **CPaaS**

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RAINBOW as Relationship Machine

IDENTITIES

Guests

Hotel Employees

Reception

Integration within Hotels business processes

Connected objects door locks, TV, lights, eBeacons,A/C,…)

RELATIONS

SERVICES

Simplify access to hotel services

Notify guests and employees

Push notification from Open Data

Hotel employees availability for personalized support (chat, voice, video, screenshare)

Audio and video conferences for hotel management

Create guests or employees communities

Include providers and suppliers of hotel in exchanges

Office 365

ALE | Where Everything Connects

Understand ALE Offer

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Unified Communications as a Service [UCaaS]

COLLABORATION

Contacts, presence, instant messaging, voice/video VoIP call, document sharing, mobility, persistent collaboration

FEDERATION

Unification of PBX infrastructures (ALE and non-ALE), common directory

Communication Platform as a Service [CPaaS]

BUSINESS APPLICATIONS

Optimization of business process Open APIs & SDK for easy business apps integration

CUSTOMER RELATION

Integration of real time communications in public apps

Rainbow™

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Understanding Rainbow UCaaS and CPaaS

- ✓ Off-the-shelf
- ✓ Generic needs
- ✓ Sold by BPs

- ✓ Customized offers
- ✓ For verticals
- ✓ Software vendors

RAINBOW WorkPlace UCaaS

Custom App#1

Custom App#2

APIS FOR INTEGRATION WITH APPLICATIONS

Hub

Rainbow Cloud Platform

APIs
RELATIONSHIPS
BOTS
ANALYTICS
IoT CONTAINER

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RAINBOW ECOSYSTEM

UCaaS APPLICATIONS

CONTEXTUAL EXCHANGES

CPaaS

- ✓ Collaboration
- ✓ **Messaging Services**
- ✓ Community management
- ✓ Voice recognition
- ✓ Authentication
- ✓ Voice & video
- ✓ Registration
- ✓ Notifications and alerts

IN APPS

BOTS

APIs

EQUIPTS PBX

AI

SERVERS/IOT

PSTN CALL / RCC HARDPHONE PBX

CHATBOT

EXCHANGE WITH SERVER APIS or IOT

BUSINESS APPLICATIONS