

Frost RADAR[®] in the Hosted IP Telephony and UCaaS Industry

North America

**A measurement system to spark
Companies 2 Action (C2A) – Innovation
that Fuels New Deal Flow and Growth
Pipelines**



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Industry Overview

Industry Overview

Steady Growth Trajectory

- The North American hosted Internet Protocol (IP) telephony and unified communications-as-a-service (UCaaS) market is experiencing steady growth as the small-business customer segment gradually matures and penetration in the mid-market and enterprise segments accelerates. Evolving technologies and business models, along with increasing customer awareness of cloud communications benefits, are driving adoption across different business sizes and industries and creating growth opportunities for service providers.
- Businesses can choose from an expanding array of options as providers of various backgrounds and skill sets launch hosted IP telephony and UCaaS offerings to address growing customer demand. Providers differentiate based on brand; technology foundation; UCaaS feature set, price, and service performance; broader portfolio; network footprint; customer service and support; and other factors. However, UCaaS buyers are increasingly savvy and are applying greater scrutiny when selecting their providers.

Customer Purchasing Criteria

- A Q4 2018 Frost & Sullivan's survey of U.S.-based UCaaS investment decision makers reveals that buyers are well informed about existing UCaaS solution and provider options. UCaaS providers' fervent sales and marketing activity is raising overall UCaaS awareness and determining individual provider mindshare and adoption among businesses.
- Vendor reputation ranks highest among factors playing the largest role early in the UCaaS provider selection process. UCaaS adopters—25 percent of current users and 34 percent of future users—identify vendor reputation as an important criterion in initial provider evaluation.

Industry Overview (continued)

- UCaaS buyers report four critical factors in their final vendor selection, as follows:
 - reliable service (53 percent of current users; 56 percent of future users)
 - security (52 percent of current users; 61 percent of future users)
 - good user interface (47 percent of current users; 41 percent of future users)
 - cost per seat (41 percent of current users; 31 percent of future users)

Shifting Innovation Frontier

- Unwavering commitment to innovation and a robust growth vision can determine a provider's ability to address elevated customer requirements and succeed in the increasingly competitive hosted IP telephony and UCaaS marketplace. Innovation scalability (i.e., solid innovation processes), size of research and development (R&D) investment, breadth and depth of solutions portfolio, mega trends leverage, and customer alignment (i.e., integration of customer feedback into solution design) play a critical role in enabling a provider to deliver innovative solutions and a strong value proposition.
- As provider ability to launch new hosted IP telephony and UCaaS features gradually plateaus, the innovation frontier is shifting toward the employment of flexible application programming interfaces (APIs) to integrate communications functionality into third-party software and devices. This is giving rise to the “new UC”—e.g., productivity UC, vertical UC, Internet of Things (IoT) UC, and so on.
- Other areas of significant provider focus include:
 - cognitive and contextually-enhanced user experiences
 - rich, yet intuitive user and admin portals augmented with advanced analytics, artificial intelligence (AI) and machine learning (ML) capabilities
 - enhanced service performance: reliability, security and regulatory compliance

Industry Overview (continued)

Key Growth Strategies

- Current market shares and historical growth rates determine a provider's present market power. A solid growth pipeline, a visionary growth strategy and effective sales and marketing execution will determine the provider's ability to sustain or boost market share and future growth rates.
- A strong UCaaS offering and a broad portfolio of additional services—such as contact center, broadband, multi-protocol label switching (MPLS), software-defined wide area network (SD-WAN), content collaboration, network, security, etc.—enable providers to capture a more substantial share of the customer's wallet. However, organic technology development and growth are often insufficient to withstand intensifying competition.
- Many UCaaS providers are engaging in mergers and acquisitions (M&A) to augment their product portfolios, in-house expertise and market presence (e.g., customer base, network reach, data centers, support and sales resources). Going forward, M&As will continue to supplement internal product development and growth efforts.
- To accelerate growth and scale, providers are also leveraging various sales channels, including direct sales, agents, resellers, and white/private-label partners. Indirect channels enable providers to reach larger geographic areas and a broader spectrum of customers, as well as deliver valuable additional products and services, including: end-user devices, networking equipment, assessment, implementation and life-cycle services, vertical software, and more.
- To fully capitalize on the unique skill sets and other benefits that various channel partners bring to UCaaS deployments, providers must offer compelling partner programs with a variety of sales incentives, marketing collateral, training, sophisticated partner portals, and more.

The Frost Radar

The Frost RADAR®

North American Hosted IP Telephony and UCaaS Market



Frost Radar—Analysis

Competitive Distribution

- The North America hosted IP telephony and UCaaS competitive landscape is highly fragmented with more than 120 brands vying for customer attention and investment. Service provider market shares fluctuate constantly due to the continued evolution of provider visions and strategies, execution, as well as ongoing M&A activity.
- Due to the highly distributed competitor market power, Frost & Sullivan's first North American hosted IP telephony and UCaaS Radar delivers analysis of 30 providers, a relatively large number of market participants. RingCentral received the highest combined growth and innovation score. Microsoft, Mitel, Vonage, and Intermedia round out the top-five in terms of providers' total individual scores.

Innovation Leaders

- Providers that scored highly (greater than 4 out of 5) on the innovation index include Microsoft, RingCentral, Vonage, 8x8, Fuze, Intermedia, Nextiva, Verizon, BVoIP, and Evolve IP, respectively by total individual score. Most of these providers own, either fully or partially, the technology stack that provides the foundation for their UCaaS offerings. They all demonstrate relentless focus on innovation and offer highly differentiated services or functionality. Some of the unique and/or highly valuable capabilities offered by these companies include:
 - integrated cloud platforms supporting UCaaS, contact center-as-a-service (CCaaS), communications platform-as-a-service (CPaaS), and/or other cloud services (e.g., Evolve IP, Intermedia Unite, Microsoft Office 365 and Teams, Nextiva NextOS, Vonage One)
 - mobile-first offerings (e.g., Verizon One Talk)
 - custom integrations and applications (e.g., BVoIP)

Frost Radar—Analysis (continued)

Growth Leaders

- Growth leaders include Mitel, RingCentral, Microsoft, Comcast, NWN, and Windstream, respectively, ranked by their individual scores. Provider growth scores are based on both historical performance (market shares and growth rates) and perceived ability to sustain growth in the future.
- Certain providers, such as RingCentral, Microsoft, Comcast, and NWN have maintained high growth rates primarily organically, whereas Mitel and Windstream have significantly boosted their market shares through strategic M&A. Going forward, provider installed user and revenue growth rates will depend on their ability to:
 - address the needs of multiple customer segments
 - develop vertical strategies
 - expand internationally
 - tailor services for different user roles and job functions
 - maintain or increase average revenue per user (ARPU) through advanced features and value selling
 - improve customer retention rates (i.e., lower churn)
 - expand reseller channel
 - build strong brand equity

Future Outlook

- Provider positioning on Frost Radar can change in the future as a result of new strategies or vision, changes in execution, M&A, or other factors. Ongoing provider consolidation is continually offset by the entry of new market participants, which increases the pressure on existing participants to innovate faster, maintain competitive prices and constantly seek to differentiate and offer ever-greater customer value.

Vendor Spotlight: RingCentral

Company Profile: RingCentral

- RingCentral was among the first providers to acknowledge growing demand for flexible and economical cloud communications and quickly emerged as the leader in the North American hosted IP telephony and UCaaS market.
- Its strategy and continued product development are centered on the needs of mobile workers and distributed organizations.
- The company's flagship RingCentral Office service is an advanced cloud communications solution, offering an enterprise-grade phone system with a broad set of additional UC and collaboration features .
- RingCentral sells solutions through both direct sales teams and indirect channels, which now consist of more than 9,000 sales agents and resellers.

COMPANY DIAGNOSTIC



FROST RADAR POSITIONING



- RingCentral is the market share leader in the North American region in terms of both users and revenues. It is also the highest-ranking company in Frost Radar.
- With its highly competitive solutions and sales culture, RingCentral is well positioned to maintain high growth rates in the future. Its unwavering commitment to innovation is likely to help attract a diverse customer audience. Expanding capabilities and focus on the mid-market and enterprise customer segments are likely to help reduce churn.
- Dependence on partner technologies to power key services such as contact center and video conferencing may affect RingCentral's capabilities in the future.

Source: Frost & Sullivan

- Flexible cloud technology and a proprietary platform enable rapid innovation and cost-effective scalability.
- Extensive and expanding feature set addresses diverse and evolving user needs. A collaborative user experience, SMS, analytics tools, video and web conferencing, and webinar services—competitively packaged and priced—set RingCentral solutions apart from most competitors.
- Global Office solution caters to multinational businesses.
- Geo-redundant data centers and strong track record of service reliability ensure high service quality.
- Compelling mobile functionality addresses the pain points of the increasingly mobile workforce.



STRENGTHS



OPPORTUNITIES

- Leverage newly launched RingCentral Persist, a differentiated capability, to enable businesses to retain communications services in the case of an Internet failure.
- Use recently launched RingCentral Embeddable and broad set of APIs to enable businesses to leverage communications to more directly impact important business processes and deliver more tangible business outcomes.
- Continue to expand internationally, as well as into the mid-market and enterprise customer segments to tap into a larger addressable market and develop a more sustainable business.

The Last Word

The Last Word—Key Takeaways

1

Rapid growth rates in the North American hosted IP telephony and UCaaS market will continue to attract new providers, who will challenge existing market participants with compelling solutions and business models. Competitive pressures will foster innovation and creativity with regard to solution functionality, packaging and pricing, as well as provider go-to-market strategies. This will result in continued shifts in provider market shares and overall competitive positioning.

2

In addition to organic innovation and growth, providers will leverage M&As to boost technology know-how and market power. M&As can have unanticipated effects on competitors and the rest of the ecosystem. However, with overall hosted IP telephony and UCaaS penetration relatively low in North America and many untapped opportunities around the globe, market participants can sustain growth through innovation, international expansion and channel partnerships, despite the disruptive impact of competitor consolidation.

3

To succeed in a highly dynamic marketplace, participants must closely watch mega trends—changes in customer and user demographics and technology requirements, organizational structure, macro-economic conditions, and so on—and adapt their portfolios and strategies accordingly. They must also monitor competitor technology and business model development and respond with differentiated offerings and unique value propositions.

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About the Frost RADAR®

Frost Radar - 2 Major Indices, 10 Analytical Ingredients, 1 Platform



GROWTH

Vertical Axis

Growth index (GI) is a measure of a company's growth performance and track record, along with its ability to develop and execute a fully aligned growth strategy and vision; a robust growth pipeline system; and effective market, competitor, and end-user focused sales and marketing strategies.

- **GI1: Market Share (previous 3 years):** Market share relative to its competitors in a given market space for the previous three years.
- **GI2: Revenue Growth (previous 3 years):** Revenue growth rate for the previous three years in the market/ industry/ category that forms context for the given Frost Radar.
- **GI3: Growth Pipeline:** This is an evaluation of the strength and leverage of the company's growth pipeline system, to continuously capture, analyze and prioritize its universe of growth opportunities.
- **GI4: Vision and Strategy:** This is an assessment of how well a company's growth strategy is aligned with its vision . Are the investments the company is making in new products and markets consistent with the stated vision?
- **GI5: Sales and Marketing:** This is a measure of effectiveness of a company's sales and marketing efforts in helping the company drive demand and achieve its growth objectives.

Frost Radar - 2 Major Indices, 10 Analytical Ingredients, 1 Platform

Horizontal Axis

Innovation index is a measure of a company's ability to develop products/services/solutions that are developed with a clear understanding of disruptive Mega Trends, are globally applicable, are able to evolve and expand to serve multiple markets, and are aligned to customers' changing needs. Key elements of this index include:

- **II1: Innovation Scalability:** This determines whether the organization's innovations is/are globally scalable and applicable in both developing and mature markets, and also in adjacent and non-adjacent industry verticals.
- **II2: Research and Development:** This is a measure of the efficacy of a company's R&D strategy, as determined by the size of its R&D investment and how it feeds the innovation pipeline.
- **II3: Product Portfolio:** This is a measure of the product portfolio of the company, focusing on the relative contribution of new products to its annual revenues.
- **II4: Megatrends Leverage:** This is an assessment of a company's proactive leverage of evolving long-term opportunities and new business models, as the foundation of its innovation pipeline.
- **II5: Customer Alignment:** This evaluates the applicability of a company's products/services/solutions to current and potential customers (7 year horizon) as well as how its innovation strategy is influenced by evolving customer needs.

INNOVATION



Frost Radar – Companies to {Action}

All companies on the Frost Radar could be Companies to {Action}. Best Practice recipients are the companies that Frost & Sullivan considers the **Companies to "Act on"** now.



GROWTH EXCELLENCE AWARD

The Growth Excellence best practice is bestowed upon companies that are achieving high growth in an intensely competitive industry. This includes emerging companies making great strides in market penetration or seasoned incumbents holding on to their perch at the pinnacle of the industry.



INNOVATION EXCELLENCE AWARD

The Innovation Excellence best practice is bestowed upon companies that are industry leaders reinventing themselves through R&D investments and innovation. These may be companies that are entering a new market and “contend” for leadership through heavy investment in R&D and innovation.



GROWTH INNOVATION LEADERSHIP AWARD

The Growth Innovation Leadership (GIL) best practice is bestowed upon companies that are market leaders that are at the forefront of innovation. These companies consolidate or grow their leadership position by continuously innovating and creating new products and solutions that serve the evolving needs of the customer base. These companies are also best positioned to expand the market by strategically broadening their product portfolio.