



CallTower Cloud SIP-FIRST

SIP-First Approach for Voice Migration to the Cloud: **Streamlining the Transition**

Introduction

In the era of digital transformation, businesses are increasingly moving their Unified Communications (UC) systems to the cloud. This migration, while ultimately beneficial and cost saving, can come with challenges that appear daunting to migrating businesses - particularly when it involves porting Direct Inward Dialing (DID) numbers and integrating existing on-premise systems with new cloud platforms. CallTower's migration experts have developed solutions to combat these challenges and ensure any business can migrate to cloud in a controlled, predictable fashion. Along with CallTower's innovative [Crawl-Walk-Run-Fly strategy](#), a SIP-First approach to migration offers an innovative solution - simplifying the process while mitigating porting for a more controlled roll-out.

The SIP-First Approach

The SIP-First approach to UC migration is a phased strategy that focuses on establishing Session Initiation Protocol (SIP) connection to CallTower as the initial step. This method involves creating a duplicate or new SIP connection to the existing on-premise UC system before any DID porting or cloud migration begins.

Technical Process

1

Establishing SIP Connection:

The first step is to set up a CallTower SIP trunk that mirrors the existing on-premise UC PSTN service. This SIP trunk acts as a bridge between the on-premise system and the CallTower's cloud environment.

2

Porting DIDs to SIP Trunk:

Once the SIP connection is established and tested, DIDs are ported to this trunk. This step is crucial as it transfers the control of the DIDs to CallTower while still keeping them operational on the existing on-premise system. There is no change to the end-user.

3

Transition to Cloud UC:

Once the DIDs are successfully ported to CallTower's SIP-First, we can seamlessly redirect them to the selected cloud UC platform. This transition can be strategically planned, thereby guaranteeing minimal disruption for end-users. Activation of the chosen platform can be meticulously scheduled for specific locations, allowing for a synchronized shift of DID PSTN traffic. With all DIDs consolidated on CallTower's network, the process of directing them to the preferred cloud platform becomes streamlined and efficient. This flexibility extends to a variety of platforms, including industry leaders like Cisco Webex, Microsoft Teams, and Zoom, ensuring a tailored and effective cloud communication solution.

Benefits

Minimized Disruption:

By separating the DID porting process from the cloud platform rollout, end-user operations remain unaffected. Any issues related to porting are resolved in the background, ensuring continuity of business communications. End users are never aware or impacted by any potential porting hurdles.

Flexibility in Migration:

This approach offers the flexibility to schedule the final migration to the cloud platform at a convenient time. Businesses can strategically plan the transition to reduce the risk of unplanned downtime.

Enhanced Control and Testing:

With DIDs already ported to CallTower's SIP-First, businesses have better control over the testing phase. They can thoroughly test the cloud UC platform with the actual DIDs in a controlled environment before going live.

Risk Mitigation:

Separating the DID porting from the platform rollout allows for identifying and addressing any porting issues without impacting the overall UC system's functionality.

Streamlined Change Management:

This phased approach provides ample time for staff training and adaptation to the new cloud UC system, ensuring a smoother change management process.

Conclusion

CallTower's SIP-First approach to UC cloud migration offers a strategic solution to the complexities associated with traditional on-prem to cloud migrations. By separating the DID porting from the cloud platform rollout, businesses can enjoy a smoother transition with minimal impact on their operations. This approach not only streamlines the efficiency of the migration process but also positions IT teams as pivotal heroes in the transition. As more businesses look towards cloud solutions for their communication needs, CallTower's SIP-First approach stands out as a reliable and effective strategy for UC migration to the cloud.

For more information:

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