IT Consolidation in South Florida
Introduction

Miami, a strategic communication node

Telefónica’s Data Center in the United States is strategically located in Miami, Florida. South Florida is a key communications hub at the crossroads of many fiber optic cables connecting continents and sub-continents. Thus, more than 7 cables reach the US coast at a distance of less than 72 km between the cities of Miami and Boca Raton, such as: the SAM-1, the AMX-1, ARCOS, CFX-1, and Columbus III, uniting the southern United States with Europe and the South American region.

- Our cable systems are connected to more than 20 POPS in the region, with the lowest latency in Latin America.

- Additionally our PCCS Cable, UNISUR and our new BRUSA for 2018 complements our network capabilities in the region.

From this set of submarine cables, only two completely surround the Latin American subcontinent. This feature is highly important because in case an eventuality occurs, physical redundancy secures communications by the end of the unaffected cable. These cables are the South America-1 (SAm-1), maintained and managed by Telefónica, and the South American Crossing (SAC) / Latin American Nautilus (LAN), shared between Level 3’s Nautilus.

The best connectivity from USA to LATAM and Europe
Telefonica’s communications have the lowest latency to the users in Latin America

The redundancy of the SAm -1, Telefónica’s cable that surrounds the Latin American subcontinent, is not the only advantage of the Spanish data transport operator. Telefónica is in a dominant, if not a leading position of the Latin American region, since it operates in the 15 largest countries demographically. This gives the operator access to a local array of fixed and mobile networks, which allows users in each country to access any content hosted in Miami instantaneously.

Check our table of latency:

<table>
<thead>
<tr>
<th>Origen</th>
<th>Destinations</th>
<th>Voice Latency</th>
<th>Voice RTD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Key Center Miami</td>
<td>Dallas - USA</td>
<td>16</td>
<td>32</td>
</tr>
<tr>
<td>Key Center Miami</td>
<td>New York - USA</td>
<td>20</td>
<td>40</td>
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<tr>
<td>Key Center Miami</td>
<td>Mexico - DF - Mexico</td>
<td>34</td>
<td>68</td>
</tr>
<tr>
<td>Key Center Miami</td>
<td>Guatemala City - Guatemala</td>
<td>13</td>
<td>26</td>
</tr>
<tr>
<td>Key Center Miami</td>
<td>Bogota - Colombia</td>
<td>26</td>
<td>52</td>
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<tr>
<td>Key Center Miami</td>
<td>Ecuador - Quito</td>
<td>29</td>
<td>58</td>
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<td>Key Center Miami</td>
<td>Peru - Lima</td>
<td>32</td>
<td>64</td>
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<tr>
<td>Key Center Miami</td>
<td>Chile - Santiago</td>
<td>48</td>
<td>96</td>
</tr>
</tbody>
</table>

*The values shown are for average actual speed. Does not apply to SLA.

“Our presence in 15 largest countries and ability to deliver faster communications allows our end users in each country to access any content hosted in Miami instantaneously.”
Miami KeyCenter, the Data Center for your IT consolidation

The KeyCenter is the Data Center built in Miami by Telefónica in 2001. It has a total area of 173,500sqft and regularly has approximately 10,437sqft available. The Data Center was built to meet the highest standards of quality and reliability. This includes having Safe Harbor certifications for data protection, the TIER III Uptime Institute certification about quality in design and construction, the American auditing standard SSAE 16 and the reinforcement to withstand CATEGORY 5 hurricanes.

Moreover, the KeyCenter reaches 5 different operators in addition to Telefónica International Wholesale Services, manager of the SAm-1. Thus, offering diversity of telecom providers to any customer.

The KeyCenter hosts and manages regional platforms of the Telefónica group, as well as the regional SAP for 14 countries in Latin America, the platform e-commerce for 8 Telefónica operators, the platform global service for M2M (Machine to Machine) customers and the Transactional Banking Switch for the region.

In addition, multinational clients centralize their IT in the KeyCenter to provide services and applications in the region. They are common ERP applications, Email, Big Data, Web Services, Platforms for Disaster Recovery and Business Continuity. The strategic location of this Data Center makes it optimal for organizations to consolidate their IT and allows provision of services and applications from a centralized location.

Miami Key Center Info
Building size: 173,500sqft
Total Space: 40,084.76sqft
Space available: 10,437sqft
Total Power: 12MW
Downtime: 15 days able to run without energy.
Carrier Neutral: AT&T | Level 3 TIWS | Fibernet | Fiberlight | Comcast | TW Telecom | Cogent

Consolidation Projects examples:
**Other Companies**
- Big Data centralized Platform
- Regional E-mail
- Corporate SAP
- IT Consolidation
- Disaster Recovery Consolidation
- Web Services Platform

**Telefónica Group**
- Regional SAP
- Global M2M solution Platform
- E-Commerce Platform for 8 OBs
- MDM Platform for LATAM
- Cell-phone prepayment Platform

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