



The first network designed for the cloud applications is connected to France-IX



Founded by end of 2010, InterCloud is a telecom operator which reinforces the security and guarantees the performance of accessing the Clouds.

InterCloud offers 2 solutions:

A full range of interconnection services (Ethernet or MPLS) and high-performance bandwidth.

By using the infrastructure put in place for the offer CloudGate, InterCloud offers an operator's usual service at a very attractive pricing.

An innovating service called CloudGate, enabling companies to access their outsourced applications (IaaS or PaaS such as Amazon Web Services, Google App or NTT; SaaS such as Salesforce.com, Cegid or Prologue; or datacenters such as Interxion or TeleCity), as if they were located right in the middle of their private network.

Moreover, InterCloud's structure is extremely agile in order to grant a customized service relying on industrial approved means.

InterCloud addresses oneself to the needs of end-users as well as to Cloud services providers.

InterCloud

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The internet exchange point France-IX, which offers peering service to internet service provider, online media, e-commerce, gaming companies, counts among its member since July 2011 InterCloud, the first network designed for Cloud applications.

How does peering on France-IX help developing the applications of InterCloud?

REQUIREMENTS

As a Cloud provider, the main concern of InterCloud consists in diversifying its points of presence and securing the permanent access to its shared network in these various locations.

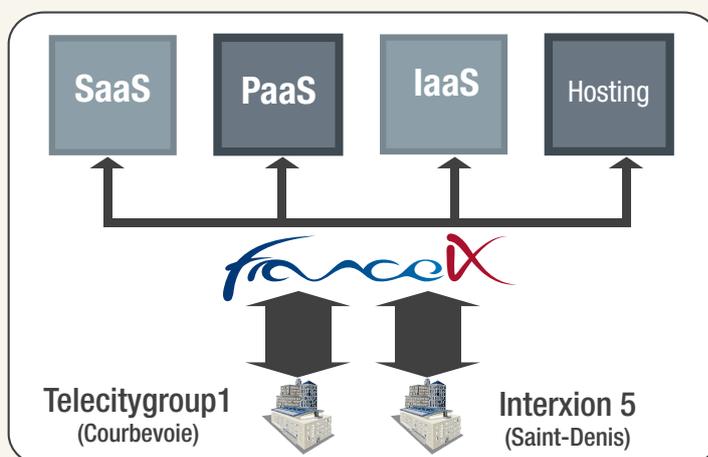
InterCloud must be available to a maximum of internet players but the company pays special attention to the exchanges with other Cloud specialists, namely SaaS, PaaS, IaaS and hosting providers.

SOLUTION

InterCloud is a French company whose the network core and expansion originated in Paris.

The entity made the decision to get connected to all the internet exchange points operating in the same points of presences (POP) as they were in the capital. This included France-IX which, like InterCloud, is present in Interxion-5 and Telecitygroup Courbevoie.

InterCloud uses the peering provided by France-IX so the company can optimize its routes to specific targeted networks. Comparing to transit, the peering maintains a much more reliable service thanks to the redundancy. The redundant platform of France-IX limits any service suspension which could impact their members and in the end their members' own customers.

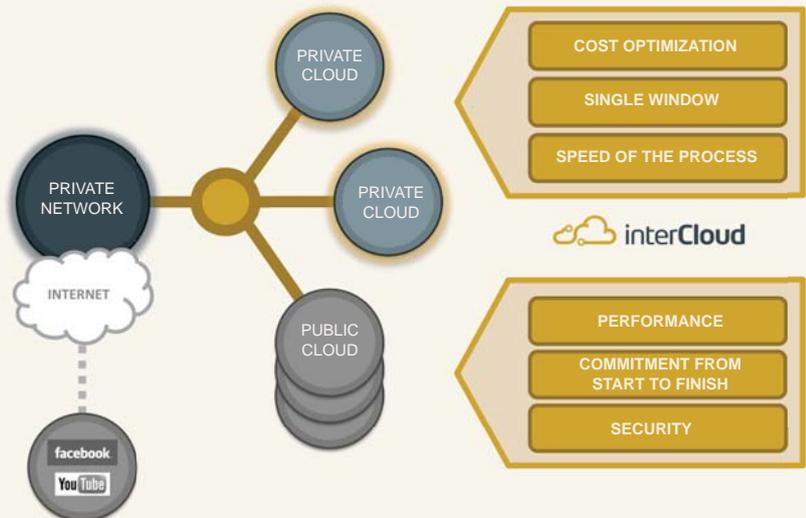


Therefore InterCloud opted for 2 x 100Mbps – one on each common POP with France-IX (as outlined above). This facilitates and secures the constant access to servers by its customers.

The France-IX's member InterCloud also activated the routes servers. The routes servers are very beneficial because they direct traffic to the peer without any peering agreement negotiated with many other peers. With this essential service for them, InterCloud acquires and handles easily its traffic.

Connection to France-IX adds value

- Rapid growth of traffic
- Easiness to establish a peering session with various operators
- Access to a consequent number of partners through only one connection on one or several equipment
- Reliability of the redundant network supported 24 hours a day, 7 days a week
- Chemins optimisés par rapport au transit



EVOLUTION

On the long term, InterCloud is thinking of taking profit of the various interconnections established between France-IX and other internet exchange points, for instance LU-CIX in Luxembourg. This evolution will answer the need to access French-speaking foreign actors.

In addition InterCloud being an operator, its peering sessions will be deployed and grow over the time which will probably lead to private VLANs independently to France-IX's network in the future.

FRANCE-IX SERVICES, PARTNER OF THE CLOUD PROVIDERS

Since 2010 the Cloud applications have bloomed both in the professional and personal life of the users.

Inside the workplace, this type of service is basically offered either by hosting providers among other services or by specialized companies in Cloud.

Cloud specialists aim to deliver the resources they host efficiently. In that matter, connecting to an internet exchange point promises to reach out to complementary companies in the sector and to end-users.



France-IX backs up these companies dedicated in providing a Cloud infrastructure (IaaS) or willing to develop this activity to better meet the needs of the market. Through a redundant network architecture avoiding service cuts, France-IX aims to secure the Cloud provider's network.

The internet exchange point also offers the possibility to have 2 identical ports – one primary and a second one for back-up – and to let the member dispatch its traffic as it likes. For instance, a member can take a line-rate **10Gbps** on one datacenter and a second **10Gbps** traffic up to **2Gbps** on another datacenter and then divide the flow anyway it wants: **4Gbps + 8Gbps, 6Gbps + 6Gbps...**

For further information, visit our website www.franceix.net or contact us via e-mail at info@franceix.net

France IX is the latest generation IXP based in France which offers Unicast and Multicast IPv4/IPv6 public peering, private peering (Closed User Groups), routes servers and a reseller program through various connection ports: 100 Mbps copper, 200Mbps (copper or optical), 1000 Mbps copper, 1 Gbps SX or LX, 2 Gbps and 10 Gbps LR. For further information, visit the website www.franceix.net or contact info@franceix.net.